

접 수 번 호 : 23-043447-06-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-19008C
(Certificate No.)

제 조 업 자/수 입 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
(Manufacturer/importer)

주 소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890,
(Address) Guangdong, China

제 품 명 : 조명기구용컨버터(LED용)
(Product) (Electronic controlgear)

기 본 모 델 명 : XLG-150-12-A
(Basic Model)

파 생 모 델 명 : XLG-150-12, XLG-150-24-A, XLG-150-24
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 165 W (Output: DC 12 V)
(Rating)

시 험 기 준 : KC61347-1(2022-02), KC61347-2-13(2022-02)
(Standard)

본 인증서는 제 조 국 명 : 중국
제 조 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
제조공장의 주소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890
, Guangdong, China
의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항, 제4항, 제10조제2항 또는 제15조제2항에 따라
안전인증서를 발급합니다.

We Issue This Safety Certificate for the above appliances in accordance with the Article 9(2),9(4),10(2)
or 15(2) of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control
Act.

2023 년 08 월 22 일
Year month day

한국산업기술시험원
KOREA TESTING LABORATORY



※ 이 인증서는 「전기용품 및 생활용품 안전관리법 시행규칙」에 따른 제품의 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는
제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

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3. 안전인증의 변경 현황 (Revisions Status)

□ 첨부 1 : 전기용품의 안전관리부품 및 재질목록
List of Critical Components

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Input cord (indoor use only)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	K60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
Input cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	K60245 IEC 66 H08RN-F	AC 450 / 750 V, 3G x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 57 (H05RN-F) 3×1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 66 (H07RN-F) 3×1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F), 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC66 (H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co.,Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² - 2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co.,Ltd	60245 IEC66 (H07RN- F), 3X1.0, 1.5, 2.5, 4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3×0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)×(1.0-2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5)×(1/1.5/2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5)×(0.75/1) mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F 3G1.0)	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 66 (H07RN-F 2~5x1.0~2.5 mm ²)	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T4 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T4 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T4 A, 250 V or AC 300 V	VDE
(Alternative)	Conquer	MST	T6.3 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T6.3 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T6.3 A, 250 V or AC 300 V	VDE
Varistor (ZNR3, ZNR4)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Huiwan	V-471K-10D(E)H, V-471K-14D(E)H	AC 300 V, DC 470 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-561K-10D(E)H, V-561K-14D(E)H	AC 350 V, DC 450 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-621K-10D(E)H, V-621K-14D(E)H	AC 395 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H	AC 420 V, DC 560 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S511K JVT14S511K	AC 320 V, DC 510 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S621K JVT14S621K	AC 395 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S681K JVT14S681K	AC 420 V, DC 560 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S751K JVT14S751K	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751	AC 465 V, DC 750 V, min. 105 °C	VDE
X Capacitors, (C1,C2)	Kemet (Arcotronics)	R.46	275 V, 100 °C, Max.0.68 uF	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Kemet (Arcotronics)	R.49	310 V, 100 °C, Max.0.68 uF	ENEC
(Alternative)	NISSEI	MP1	300V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Iskra	KNR1530	AC 275 V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Pilkor	PCX2 335	275 V, 100 °C, Max.0.68 uF	ENEC
(Alternative)	Pilkor	PCX2 337	275 V, 100 °C, Max.0.68 uF	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Shiny Space	SX1	300 V, 105 °C, Max.0.68 uF	ENEC
(Alternative)	HUA JUNG	MKP	250 V, 110 °C, Max.0.68 uF	ENEC
(Alternative)	Carli Electronics	MPX	AC 275 V/310 V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Joey	MPX	AC 275 V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Okaya	LE	AC 250 V, 100 °C, Max.0.68 uF	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Y capacitor, (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.10000 pF (Optional)	Murata	KX,KH,KY	min.250V, min,105 °C,	VDE
(Alternative)	Guangdong Huiwan Electronics	AB	min.300V, min,105 °C,	VDE
(Alternative)	Guangdong Huiwan Electronics	AR	min.500V, min,105 °C,	VDE
(Alternative)	Walsin	AH,AC,AS	min.250V, min,105 °C,	VDE
(Alternative)	TDK	CD,CS	min.250V, min,105 °C,	VDE
(Alternative)	Welson	WD	min.250V, min,105 °C,	VDE
(Alternative)	VISHAY	VY1	min.250V, min,105 °C,	VDE
(Alternative)	VISHAY	WKP	min.250V, min,105 °C,	VDE
(Alternative)	VISHAY	440L	min.250V, min,105 °C,	VDE
(Alternative)	Wanming	HM	min.250V, min,105 °C,	VDE
(Alternative)	Wanming	HJ	min.250V, min,105 °C,	VDE
PCB	Junda	JD-D,JD-E, JD-D1	V-1, 105 °C	UL
(Alternative)	Tai He PCB Comp any Limited	THS THD1	Min. V-1, min. 130 °C	UL
(Alternative)	KIN YIP TECHNOL OGY ELECTRONIC S (HUIZHOU) CO LTD	DS-206T ML-401	Min. V-0, min. 130 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	HONG SHIEN	03V-0, -D, -M	V-1, 105 °C	UL
(Alternative)	HSU TZU	4V0, DV2, MV1	V-1, 105 °C	UL
(Alternative)	JIIN-YU	JY-001, JY-003	V-1, 105 °C	UL
(Alternative)	Brite Plus	DGV0-3A	V-1, 105 °C	UL
(Alternative)	YANG MIN TECHNOLOGY LTD	76V0A	V-1, 105 °C	UL
(Alternative)	KUNSHAN WANYUANTONG ELECTRONIC TECHNOLOGY CO LTD	SWZ-1	V-1, 105 °C	UL
(Alternative)	GUANGDONG CHAOHUA	C-103, C-104,C-109	V-1, 105 °C	UL
(Alternative)	GUANGZHOU TAIHUA MULTILAYER CIRCUIT BOARD CO LTD	ST-01	Min. V-1, min. 105 °C	UL
(Alternative)	SUZHOU WUTONG ELECTRONICS CO LTD	GS-1 GS-2 GS-3 GS-4, GS-4S	Min. V-1, min. 105 °C	UL
(Alternative)	JIANGSU DIFEIDA ELECTRONICS CO LTD	DFD-2	Min. V-1, min. 105 °C	UL
(Alternative)	HONG SHIEN	-D	Min. V-1, min. 105 °C	UL
(Alternative)	KUNSHAN GUANGQIAN ELECTRONICS CO LTD	D, D1	Min. V-1, min. 105 °C	UL
(Alternative)	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A	V-1, 130 °C	UL
(Alternative)	RONG HUI	RH-3	V-1, 130 °C	UL
(Alternative)	CHANGZHOU AOHONG	AOH-2, AOH-8	V-1, 130 °C	UL
(Alternative)	CHANGZHOU HAIHONG	CCE-V0, HDCM1	V-1, 130 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Line Filter Choke (LF1)	MEAN WELL	TR-6164	130 °C	Tested with appliance
Line Filter Choke (LF2)	MEAN WELL	LF-6039	130 °C	Tested with appliance
Line Filter Choke(L1)	MEAN WELL	TR-623A	130 °C	Tested with appliance
Line Filter Choke(L2)	MEAN WELL	TF-6956	130 °C	Tested with appliance
Transformer (T1) For XLG-150-12, XLG-150-12-A	MEAN WELL Enterprises Co., Ltd.	TF-6957	Class B	Tested with appliance
Transformer (T1) For XLG-150-24, XLG-150-24-A	MEAN WELL Enterprises Co., Ltd.	TF-6958	Class B	Tested with appliance
Bobbin of T1, LF2, L1 and L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with appliance UL
(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9750 PM-9823	155°C	UL
(Alternative)	E I Dupont DE Nemours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
(Alternative)	NAN YA	1403G3, 1403G6	V-0, 130 °C	UL
(Alternative)	CHANG CHUN PLASTICS CO LTD	T375J,T375HF	V-0, 150 °C	UL
(Alternative)	SUMITOMO CHEMICAL CO LTD	E4008	130 °C	UL
(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9823	V-0, 150 °C	UL
(Alternative)	CHANG CHUN PLASTICS CO LTD	T200HF	V-0, 150 °C	UL
(Alternative)	CHANG CHUN PLASTICS CO LTD	T220NA	V-0, 150 °C	UL
Winding of LF1, LF2 and L1, L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U(MW 75-C), UEWN/U(MW 28-C), UEWS/U(MW75-C)	130 °C	Tested with appliance UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)	130 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C), UE W-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY/Q(A/X)- B,F)(MW 28-C)	130 °C	UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)	155 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80- C), SFFW-2@(MW 79-C), SFBW- 2@(MW 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE C O LTD.	TYTUN-B130(UEWNY/ Q(A/X)-B,F)(MW 80- C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE C O LTD.	TYFU-H180(UEW/QA -H) (MW 82-C)	180 °C	UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE C O LTD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDE N OCEAN MAGNE T WIRE FACTORY.	UEWNF(MW 80-C)	155 °C	UL
(Alternative)	FENG CHING MET AL CORP	xFSW-NY(MW 80-C)	155 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Triple insulation wire of T1,	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2SX	130 °C	UL
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 °C	UL
(Alternative)	Heyuan Koshen Insulator	TIW-B*(a) TIW-B-LITZ	130 °C	UL
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW 75-C)	130 °C	Tested with appliance UL
Teflon tube	Great Holding Industrial Co., Ltd.	TFL,TFT,TFS	200 °C	Tested with appliance UL
(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 °C	UL
(Alternative)	CHANGYUAN ELECTRONICS GROUP CO LTD	CB-HFT, CB-HFT(XY), CYG-MT, CB-TT-L, CB-TT-S, CB-TT-T, CYG-ZHP	200 °C	UL
Insulation tape	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 °C	Tested with appliance UL
(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 °C	UL
(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 °C	UL
(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T- 1(b), 1350T-3(b), 1318-1 1351-2(c)	130 °C	UL
(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	130 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 °C	UL
(Alternative)	E I DUPONT DE NEMOURS & CO INC	Nomex®410,411, 414, 418	220 °C	UL
(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 371F(a)	130 °C	UL
Photo coupler (U3, U4)	Sharp	PC3L57	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.3 mm, min. 110 °C	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817, LTV-817M, LTV-817S	Dti= 0.4 mm, Int. cr= 5.2 mm,Ext.cr≥ 8 mm, 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm,Ext.cr= 8.0 mm, 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 mm, 115 °C	VDE
(Alternative)	Renesas electronicscorporat ion	PS2561DL1-1	Dti= 0.4 mm, Int. cr= 5.0 mm, Ext. cr ≥ 8.0 mm, 110 °C	VDE
(Alternative)	Toshiba Corporation	TLP781F	Dti = 0.6 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, 115 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Everlight	EL817M	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti ≥ 0.4 mm, Int.dcr.= 5.2 mm, Ext. dcr.≥ 8.0 mm, min. 110 °C	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299, 5297	V-0, 150 °C	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	SYLGARD 160	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	TC-6011	V-0, 150 °C	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 °C	UL
(Alternative)	Riseast	SSTCP	V-0, 150 °C	UL
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 °C	UL
Insulation sheet between transformer core and primary circuit	Itw Electronics Components/ Products (Shanghai) Co., Ltd.	Formex N3- (b)(d)(e)(k)	Min. V-1, min. 130°C, min. 0.2 mm thick, tiple insulation	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
☐ 유의사항 (Attention) : 1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등재를 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다. <i>As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.</i> 2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 21 조제 1 항 또는 제 38 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다. <i>The Safety Certification will be cancelled under the Article 21(1), 38(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.</i>				

FP511-04

□ 첨부 2 : 기본모델 · 파생모델의 내용
Description of the basic and series model

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
XLG-150-12	Without rear cover
XLG-150-24-A	U_{rated} (DC 24 V)
XLG-150-24	U_{rated} (DC 24 V) and Without rear cover
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-07-2 (2019.07.04.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 165 W, 2.0 A - Rated output voltage (U_{rated}) : DC 12 V - Rated output power (P_{rated}) : 150 W - t_c : 90 °C, t_a : 55 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant voltage type, Independent, SELV controlgear - With Rear cover(Plastic cap) - This product is filled with potting compound - Metal enclosure used □ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가센터 신 종욱 / 02-860-1473 □ If you have any question on product review, please contact the person below : Job holder: Customer Support Division, Certification Convergence Evaluation Center, J.U.Shin / +82 2 860-1473	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
1 st Rev.) Change name, president and address of manufacturer (21-080534-09-1 : 2022.01.04.) - Before : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch / Yin Xiao Ming No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China

변경발급 내용
Contents of Certificate Revisions

2nd Rev.) Change of PCB layout and Addition of components (22-047914-01-1 : 2022.09.13.)

Based on CB report.Ref No. 4383752.50 and CB certificate Ref.No NL-79691

- PCB layout: Added alternative PCB layout for all models as new IC used. The alternative PCB layout was similar as original PCB layout.
- Added alternative dimming PCB
- Added alternative fuse for all models.
- Addition of components:

Components	Manufacturer	Model
Input cord (indoor use only)	Dongguan Ever United Electric Wire&Cable C o., Ltd.	60245 IEC 57 H05RN-F
Input cord (indoor use only)	DONGGUAN TAWANG ELECTRONICS CO L TD	60245 IEC 57 H05RN-F
Input cord	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Fuse (FS1)	Conquer	MST
Fuse (FS1)	Walter	2010
Fuse (FS1)	Littelfuse	369
Varistor (ZNR2, ZNR3)	Huiwan	V-471K-10D(E)H, V-471K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-561K-10D(E)H, V-561K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-621K-10D(E)H, V-621K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S511K JVT14S511K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S621K JVT14S621K

변경발급 내용 Contents of Certificate Revisions		
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S681K JVT14S681K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S751K JVT14S751K
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20751
X Capacitors, (C1,C2)	NISSEI	MP1
Y capacitor, (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Guangdong Huiwan Electronic s	AB
Y capacitor, (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Wanming	HM

변경발급 내용 Contents of Certificate Revisions		
Y capacitor, (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Wanming	HJ
PCB	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A
PCB	RONG HUI	RH-3
PCB	CHANGZHOU AOHONG	AOH-2, AOH-8
PCB	CHANGZHOU HAIHONG	CCE-V0, HDCEM1
Bobbin of T1, LF2, L1 and L2	Sumitomo Bakelite Co., Ltd.	PM-9750
Winding of LF1, LF2, L1, L2 and T1	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C)、UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of LF1, LF2, L1, L2 and T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)

변경발급 내용 Contents of Certificate Revisions		
Winding of LF1, LF2, L1, L2 and T1	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of LF1, LF2, L1, L2 and T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H) (MW 82-C)
Winding of LF1, LF2, L1, L2 and T1	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Triple insulation wire of T1,	Heyuan Koshen Insulator	TIW-B*(a) TIW-B-LITZ
Teflon tube	CHANGYUAN ELECTRONICS GROUP CO LTD	CB-HFT, CB-HFT(XY), CYG-MT, CB-TT-L, CB-TT-S, CB-TT-T, CYG-ZHP
Insulation tape	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92
Photo coupler (U3, U4)	Renesas electronicscorporation	PS2561DL1-1

변경발급 내용
Contents of Certificate Revisions

- Change Critical components rating information

Component (Part no.)	Manufacturer(Brand)	Model	Rating
X Capacitors, (C1,C2)	Kemet (Arcotronics)	R.46	275 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Kemet (Arcotronics)	R.49	310 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Iskra	KNR1530	AC 275 V,100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Iskra	KNB1560	Min. AC 275 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Liow Gu	GS-L	Min. AC 250 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Pilkor	PCX2 335	AC 275 V,100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Pilkor	PCX2 337	275 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Ultra Tech	HQX	Min. AC 250 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Shiny Space	SX1	300 V, 105 °C, Max.0.68 uF
X Capacitors, (C1,C2)	HUA JUNG	MKP	250 V, 110 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Carli Electronics	MPX	AC 275 V/310 V, 100 °C,Max.0.68 uF
X Capacitors, (C1,C2)	Joey	MPX	AC 275 V,100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Xiamen Faratronic	MKP62	Min. AC 275 V,100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Okaya	LE	AC 250 V,100 °C, Max.0.68 uF

변경발급 내용 Contents of Certificate Revisions			
Y capacitor, (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Guangdong Huiwan Electronics	AR	min.500V, min,105 °C,
Y capacitor, (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Walsin	AH,AC,AS	min.250V, min,105 °C,
Y capacitor, (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	TDK	CD,CS	min.250V, min,105 °C,

변경발급 내용 Contents of Certificate Revisions			
Y capacitor, (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Welson	WD	min.250V, min,105 °C,
Y capacitor, (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	VISHAY	VY1	min.250V, min,105 °C,
Y capacitor, (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	VISHAY	WKP	min.250V, min,105 °C,

변경발급 내용
Contents of Certificate Revisions

Y capacitor,- (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23: Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	VISHAY	440L	min.250V, min,105 °C,
PCB	Junda	JD-D,JD-E, JD-D1	V-1, 105 °C
PCB	GUANGDONG CHAOHUA	C-103, C-104,C-109	V-1, 105 °C
PCB	SUZHOU WUTONG ELECTRONICS CO LTD	GS-1 GS-2 GS-3 GS-4, GS-4S	Min. V-1, min. 105 °C
Triple insulation wire of T1,	Furukawa	TEX-E TEX-ELZ	130 °C

변경발급 내용
Contents of Certificate Revisions

- Delete Critical components information

Component (Part no.)	Manufacturer(Brand)	Model	Rating	Tested by
X Capacitors, X2 type (C2)	Kemet (Arcotronics)	R.46	275 V, 100 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	Kemet (Arcotronics)	R.49	310 V, 100 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	Iskra	KNR1530	AC 275 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Iskra	KNB1560	Min. AC 275 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Liow Gu	GS-L	Min. AC 250 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Pilkor	PCX2 335	275 V, 100 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	Pilkor	PCX2 337	275 V, 100 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	Ultra Tech	HQX	Min. AC 250 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Shiny Space	SX1	300 V, 105 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	HUA JUNG	MKP	250 V, 110 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	Carli Electronics	MPX	AC 275 V/310 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Xiamen Faratronic	MKP62	Min. AC 275 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Okaya	LE	AC 250 V, 100 °C, 0.47 uF	ENEC
Y capacitor, Y1 type (C23)	Murata	KX	100 pF, AC 250 V/300 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AH	100 pF, AC 250 V/400 V, 105 °C	VDE

변경발급 내용 Contents of Certificate Revisions				
Y capacitor, Y1 type (C23)	Walsin	AS	100 pF, AC 500 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	TDK	CD	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Welson	WD	100 pF, min AC 250 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	VY1	100 pF, 250 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	WKP	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	440L	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	Walsin	AC	2200 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	Murata	KH, KY	2200 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	TDK	CS	2200 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	Welson	KL	2200 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	VISHAY	338 6	2200 pF, 250 V, 105 °C	ENEC
Y capacitor, Y2 type (C129,C130)	Walsin	AC	10 nF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Murata	KH, KY	10 nF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	TDK	CS	10 nF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Welson	KL	10 nF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	VISHAY	338 6	10 nF, 250 V, 105 °C	ENEC

변경발급 내용
Contents of Certificate Revisions

3rd Rev.) Alternative components of PCB added and deletion and modification of components.
Update of KC standards to KC61347-1(2022.02) & KC61347-2-13(2022.02)
(23-043447-06-1 : 2023.08.22.) based on CB Certificate Ref. No.: NL-89358 (DEKRA
Certification B.V.) and CB report No., 4904966.50(DEKRA Testing and Certification (Sha
nghai) Ltd., Guangzhou Branch)

Component (Part no.)	Manufacturer(Brand)	Model	Rating	Tested by
PCB	Tai He PCB Company Limited	THS, THD1	Min. V-1, min. 130 °C	UL
PCB	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	DS-206T, ML-401	Min. V-0, min. 130 °C	UL

- deletion of below components

Component (Part no.)	Manufacturer(Brand)	Model	Rating	Tested by
(Alternative)	GUANGZHOU TAIHE	THS, THD	V-1, 105 °C	UL

- Varistor change from (ZNR2, ZNR3) to (ZNR3, ZNR4)

- Y capacitor C129, C130 change from Max.1000pF to Max.10000pF

FP511-06

접 수 번 호 : 22-047914-01-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-19008B
(Certificate No.)

제 조 업 자/수 입 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
(Manufacturer/importer)

주 소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890,
(Address) Guangdong, China

제 품 명 : 조명기구용컨버터(LED용)
(Product) (Electronic controlgear)

기 본 모 델 명 : XLG-150-12-A
(Basic Model)

파 생 모 델 명 : XLG-150-12, XLG-150-24-A, XLG-150-24
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 165 W (Output: DC 12 V)
(Rating)

시 험 기 준 : KC61347-1(2015-09), KC61347-2-13(2015-09)
(Standard)

본 인증서는 제 조 국 명 : 중국
제 조 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
제조공장의 주소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890
, Guangdong, China
의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항, 제4항, 제10조제2항 또는 제15조제2항에 따라
안전인증서를 발급합니다.

We Issue This Safety Certificate for the above appliances in accordance with the Article 9(2),9(4),10(2)
or 15(2) of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control
Act.

2022 년 09 월 13 일
Year month day

한국산업기술시험원
KOREA TESTING LABORATORY



※ 이 인증서는 「전기용품 및 생활용품 안전관리법 시행규칙」에 따른 제품의 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는
제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류

1. 전기용품의 안전관리부품 및 재질목록(List of Critical Components)
2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)
3. 안전인증의 변경 현황 (Revisions Status)

□ 첨부 1 : 전기용품의 안전관리부품 및 재질목록
List of Critical Components

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Input cord (indoor use only)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	K60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
Input cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	K60245 IEC 66 H08RN-F	AC 450 / 750 V, 3G x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 66 (H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F), 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC66 (H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co.,Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² - 2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Shanghai Yusheng Enterprise Development Co.,Ltd	60245 IEC66 (H07RN-F), 3X1.0, 1.5, 2.5, 4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3×0.75/1.0/1.5/ 2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)×(1.0-2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5)×(1/1.5/ 2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5)×(0.75/1) mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co.,Ltd.	60245 IEC 57 (H05RN-F 3G1.0)	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co.,Ltd.	60245 IEC 66 (H07RN-F 2~5x1.0~2.5 mm ²)	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T4 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T4 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T4 A, 250 V or AC 300 V	VDE
(Alternative)	Conquer	MST	T6.3 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T6.3 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T6.3 A, 250 V or AC 300 V	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-471K-10D(E) H, V-471K-14D(E)H	AC 300 V, DC 470 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-511K-10D(E) H, V-511K-14D(E)H	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-561K-10D(E) H, V-561K-14D(E)H	AC 350 V, DC 450 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-621K-10D(E) H, V-621K-14D(E)H	AC 395 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-681K-10D(E) H, V-681K-14D(E)H	AC 420 V, DC 560 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S511K JVT14S511K	AC 320 V, DC 510 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S621K JVT14S621K	AC 395 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S681K JVT14S681K	AC 420 V, DC 560 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S751K JVT14S751K	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D	AC 300 V, DC 385 V, min. 105 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751	AC 465 V, DC 750 V, min. 105 °C	VDE
X Capacitors, (C1,C2)	Kemet (Arcotronics)	R.46	275 V, 100 °C, Max.0.68 uF	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	310 V, 100 °C, Max.0.68 uF	ENEC
(Alternative)	NISSEI	MP1	300V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Iskra	KNR1530	AC 275 V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Pilkor	PCX2 335	275 V, 100 °C, Max.0.68 uF	ENEC
(Alternative)	Pilkor	PCX2 337	275 V, 100 °C, Max.0.68 uF	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Shiny Space	SX1	300 V, 105 °C, Max.0.68 uF	ENEC
(Alternative)	HUA JUNG	MKP	250 V, 110 °C, Max.0.68 uF	ENEC
(Alternative)	Carli Electronics	MPX	AC 275 V/310 V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Joey	MPX	AC 275 V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 100 °C, Max.0.68 uF	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Okaya	LE	AC 250 V, 100 °C, Max.0.68 uF	ENEC
Y capacitor (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Murata	KX,KH,KY	min.250V, min,105 °C,	VDE
(Alternative)	Guangdong Huiwan Electronics	AB	min.300V, min,105 °C,	VDE
(Alternative)	Guangdong Huiwan Electronics	AR	min.500V, min,105 °C,	VDE
(Alternative)	Walsin	AH,AC,AS	min.250V, min,105 °C,	VDE
(Alternative)	TDK	CD,CS	min.250V, min,105 °C,	VDE
(Alternative)	Welson	WD	min.250V, min,105 °C,	VDE
(Alternative)	VISHAY	VY1	min.250V, min,105 °C,	VDE
(Alternative)	VISHAY	WKP	min.250V, min,105 °C,	VDE
(Alternative)	VISHAY	440L	min.250V, min,105 °C,	VDE
(Alternative)	Wanming	HM	min.250V, min,105 °C,	VDE
(Alternative)	Wanming	HJ	min.250V, min,105 °C,	VDE
PCB	Junda	JD-D,JD-E, JD-D1	V-1, 105 °C	UL
(Alternative)	GUANGZHOU TAIHE	THS, THD	V-1, 105 °C	UL
(Alternative)	HONG SHIEN	03V-0, -D, -M	V-1, 105 °C	UL
(Alternative)	HSU TZU	4V0, DV2, MV1	V-1, 105 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	JIIN-YU	JY-001, JY-003	V-1, 105 °C	UL
(Alternative)	Brite Plus	DGV0-3A	V-1, 105 °C	UL
(Alternative)	YANG MIN TECHNOLOGY LTD	76V0A	V-1, 105 °C	UL
(Alternative)	KUNSHAN WANYUANTONG ELECTRONIC TECHNOLOGY CO LTD	SWZ-1	V-1, 105 °C	UL
(Alternative)	GUANGDONG CHAOHUA	C-103, C- 104, C-109	V-1, 105 °C	UL
(Alternative)	GUANGZHOU TAIHUA MULTILAYER CIRCUIT BOARD CO LTD	ST-01	Min. V-1, min. 105 °C	UL
(Alternative)	SUZHOU WUTONG ELECTRONICS CO LTD	GS-1 GS-2 GS-3 GS-4, GS-4S	Min. V-1, min. 105 °C	UL
(Alternative)	JIANGSU DIFEIDA ELECTRONICS CO LTD	DFD-2	Min. V-1, min. 105 °C	UL
(Alternative)	HONG SHIEN	-D	Min. V-1, min. 105 °C	UL
(Alternative)	KUNSHAN GUANGQIAN ELECTRONICS CO LTD	D, D1	Min. V-1, min. 105 °C	UL
(Alternative)	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A	V-1, 130 °C	UL
(Alternative)	RONG HUI	RH-3	V-1, 130 °C	UL
(Alternative)	CHANGZHOU AOHONG	AOH-2, AOH-8	V-1, 130 °C	UL
(Alternative)	CHANGZHOU HAIHONG	CCE-V0, HDCM1	V-1, 130 °C	UL
Line Filter Choke (LF1)	MEAN WELL	TR-6164	130 °C	Tested with appliance
Line Filter Choke (LF2)	MEAN WELL	LF-6039	130 °C	Tested with appliance

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Line Filter Choke(L1)	MEAN WELL	TR-623A	130 °C	Tested with appliance
Line Filter Choke(L2)	MEAN WELL	TF-6956	130 °C	Tested with appliance
Transformer (T1) For XLG-150-12, XLG-150-12-A	MEAN WELL Enterp rises Co., Ltd.	TF-6957	Class B	Tested with appliance
Transformer (T1) For XLG-150-24, XLG-150-24-A	MEAN WELL Enterp rises Co., Ltd.	TF-6958	Class B	Tested with appliance
Bobbin of T1, LF2, L1 and L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with appliance UL
(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9750 PM-9823	155°C	UL
(Alternative)	E I Dupont DE Ne mours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
(Alternative)	NAN YA	1403G3, 1403G 6	V-0, 130 °C	UL
(Alternative)	CHANG CHUN PLA STICS CO LTD	T375J,T375HF	V-0, 150 °C	UL
(Alternative)	SUMITOMO CHEMI CAL CO LTD	E4008	130 °C	UL
(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9823	V-0, 150 °C	UL
(Alternative)	CHANG CHUN PLA STICS CO LTD	T200HF	V-0, 150 °C	UL
(Alternative)	CHANG CHUN PLA STICS CO LTD	T220NA	V-0, 150 °C	UL
Winding of LF1, LF2 and L1, L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U(MW 75- C), UEWN/U(MW 28-C), UEWS/U(MW75 -C)	130 °C	Tested with appliance UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)	130 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75- C), UEW-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q (A/X)-B,F)(MW 28-C)	130 °C	UL
(Alternative)	TAI-H ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)	155 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H) (MW 82-C)	180 °C	UL
(Alternative)	TAI-H ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	155 °C	UL
(Alternative)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	155 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Triple insulation wire of T1,	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2SX	130 °C	UL
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 °C	UL
(Alternative)	Heyuan Koshen Insulator	TIW-B*(a) TIW-B-LITZ	130 °C	UL
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW 75-C)	130 °C	Tested with appliance UL
Teflon tube	Great Holding Industrial Co., Ltd.	TFL,TFT,TFS	200 °C	Tested with appliance UL
(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 °C	UL
(Alternative)	CHANGYUAN ELECTRONICS GROUP CO LTD	CB-HFT, CB-HFT(XY), CYG-MT, CB-TT-L, CB-TT-S, CB-TT-T, CYG-ZHP	200 °C	UL
Insulation tape	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 °C	Tested with appliance UL
(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 °C	UL
(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 °C	UL
(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1 1351-2(c)	130 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	130 °C	UL
(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 °C	UL
(Alternative)	E I DUPONT DE NEMOURS & CO INC	Nomex®410,411 , 414, 418	220 °C	UL
(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 371F(a)	130 °C	UL
Photo coupler (U3, U4)	Sharp	PC3L57	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.3 mm, min. 110 °C	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817, LTV-817M, LTV-817S	Dti= 0.4 mm, Int. cr= 5.2 mm,Ext.cr≥ 8 mm, 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm,Ext.cr= 8.0 mm, 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 mm, 115 °C	VDE
(Alternative)	Renesas electronicscorporati on	PS2561DL1-1	Dti= 0.4 mm, Int. cr= 5.0 mm, Ext. cr ≥ 8.0 mm, 110 °C	VDE
(Alternative)	Toshiba Corporation	TLP781F	Dti = 0.6 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, 115 °C	VDE
(Alternative)	Everlight	EL817M	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	VISHAY	TCLT1008	Dti ≥ 0.4 mm, Int.dcr.= 5.2 mm, Ext. dcr. ≥ 8.0 mm, min. 110 °C	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299, 5297	V-0, 150 °C	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	SYLGARD 160	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	TC-6011	V-0, 150 °C	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 °C	UL
(Alternative)	Riseast	SSTCP	V-0, 150 °C	UL
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 °C	UL
Insulation sheet between transformer core and primary circuit	Itw Electronics Components/ Products (Shanghai) Co., Ltd.	Formex N3-(b)(d)(e)(k)	Min. V-1, min. 130°C, min. 0,2 mm thick, triple insulation	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
☐ 유의사항 (Attention) : 1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등재를 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다. <i>As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.</i> 2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 21 조제 1 항 또는 제 38 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다. <i>The Safety Certification will be cancelled under the Article 21(1), 38(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.</i>				

FP511-04

□ 첨부 2 : 기본모델 · 파생모델의 내용
Description of the basic and series model

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
XLG-150-12	Without rear cover
XLG-150-24-A	U_{rated} (DC 24 V)
XLG-150-24	U_{rated} (DC 24 V) and Without rear cover
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-07-2 (2019.07.04.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 165 W, 2.0 A - Rated output voltage (U_{rated}) : DC 12 V - Rated output power (P_{rated}) : 150 W - t_c : 90 °C, t_a : 55 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant voltage type, Independent, SELV controlgear - With Rear cover(Plastic cap) - This product is filled with potting compound - Metal enclosure used 본 제품의 검토내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토담당자 / 연락처 : 고객지원본부 인증융합평가센터 장 재용 / 02-860-1137 <i>If you have any question on product review, please contact the person below :</i> <i>Job holder: Customer Support Division, Certification Convergence Evaluation Center, J.Y.Jang / +82 2 860 1137</i>	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용
Contents of Certificate Revisions

1st Rev.) Change name, president and address of manufacturer (21-080534-09-1 : 2022.01.04.)

– Before : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch / Yin Xiao Ming
No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China

After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang
No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China

변경발급 내용
Contents of Certificate Revisions

2nd Rev.) Change of PCB layout and Addition of components (22-047914-01-1 : 2022.09.13.)

691 Based on CB report.Ref No. 4383752.50 and CB certificate Ref.No NL-79

- PCB layout: Added alternative PCB layout for all models as new IC used.
The alternative PCB layout was similar as original PCB layout.
- Added alternative dimming PCB
- Added alternative fuse for all models.
- Addition of components:

Components	Manufacturer	Model
Input cord (indoor use only)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	60245 IEC 57 H05RN-F
Input cord (indoor use only)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Input cord	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Fuse (FS1)	Conquer	MST
Fuse (FS1)	Walter	2010
Fuse (FS1)	Littelfuse	369
Varistor (ZNR2, ZNR3)	Huiwan	V-471K-10D(E)H, V-471K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-561K-10D(E)H, V-561K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-621K-10D(E)H, V-621K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S511K JVT14S511K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S621K JVT14S621K

변경발급 내용 Contents of Certificate Revisions		
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S681K JVT14S681K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S751K JVT14S751K
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20751
X Capacitors, (C1,C2)	NISSEI	MP1
Y capacitor, (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Guangdong Huiwan Electronic s	AB
Y capacitor, (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Wanming	HM

변경발급 내용 Contents of Certificate Revisions		
Y capacitor, (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Wanming	HJ
PCB	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A
PCB	RONG HUI	RH-3
PCB	CHANGZHOU AOHONG	AOH-2, AOH-8
PCB	CHANGZHOU HAIHONG	CCE-V0, HDCEM1
Bobbin of T1, LF2, L1 and L2	Sumitomo Bakelite Co., Ltd.	PM-9750
Winding of LF1, LF2, L1, L2 and T1	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of LF1, LF2, L1, L2 and T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)

변경발급 내용 Contents of Certificate Revisions		
Winding of LF1, LF2, L1, L2 and T1	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of LF1, LF2, L1, L2 and T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H) (MW 82-C)
Winding of LF1, LF2, L1, L2 and T1	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Triple insulation wire of T1,	Heyuan Koshen Insulator	TIW-B*(a) TIW-B-LITZ
Teflon tube	CHANGYUAN ELECTRONICS GROUP CO LTD	CB-HFT, CB-HFT(XY), CYG-MT, CB-TT-L, CB-TT-S, CB-TT-T, CYG-ZHP
Insulation tape	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92
Photo coupler (U3, U4)	Renesas electronicscorporation	PS2561DL1-1

변경발급 내용
Contents of Certificate Revisions

- Change Critical components rating information

Component (Part no.)	Manufacturer(Brand)	Model	Rating
X Capacitors, (C1,C2)	Kemet (Arcotronics)	R.46	275 V, 100 °C, Max. 0.68 uF
X Capacitors, (C1,C2)	Kemet (Arcotronics)	R.49	310 V, 100 °C, Max. 0.68 uF
X Capacitors, (C1,C2)	Iskra	KNR1530	AC 275 V,100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Iskra	KNB1560	Min. AC 275 V, 100 ° C, Max.0.68 uF
X Capacitors, (C1,C2)	Liow Gu	GS-L	Min. AC 250 V, 100 ° C, Max.0.68 uF
X Capacitors, (C1,C2)	Pilkor	PCX2 335	AC 275 V,100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Pilkor	PCX2 337	275 V, 100 °C, Max. 0.68 uF
X Capacitors, (C1,C2)	Ultra Tech	HQX	Min. AC 250 V, 100 ° C, Max.0.68 uF
X Capacitors, (C1,C2)	Shiny Space	SX1	300 V, 105 °C, Max.0.68 uF
X Capacitors, (C1,C2)	HUA JUNG	MKP	250 V, 110 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Carli Electronics	MPX	AC 275 V/310 V, 100 °C,Max.0.68 uF
X Capacitors, (C1,C2)	Joey	MPX	AC 275 V,100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Xiamen Faratronic	MKP62	Min. AC 275 V,100 ° C, Max.0.68 uF
X Capacitors, (C1,C2)	Okaya	LE	AC 250 V,100 °C, Max.0.68 uF

변경발급 내용 Contents of Certificate Revisions			
Y capacitor, (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Guangdong Huiwan Electronics	AR	min.500V, min,105 °C,
Y capacitor, (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Walsin	AH,AC,AS	min.250V, min,105 °C,
Y capacitor, (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	TDK	CD,CS	min.250V, min,105 °C,

변경발급 내용 Contents of Certificate Revisions			
Y capacitor, (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Welson	WD	min.250V, min,105 ° C,
Y capacitor, (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	VISHAY	VY1	min.250V, min,105 ° C,
Y capacitor, (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	VISHAY	WKP	min.250V, min,105 ° C,

변경발급 내용
Contents of Certificate Revisions

Y capacitor,- (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23: Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	VISHAY	440L	min.250V, min,105 °C,
PCB	Junda	JD-D,JD-E, JD-D1	V-1, 105 °C
PCB	GUANGDONG CHAOHUA	C-103, C-104,C-109	V-1, 105 °C
PCB	SUZHOU WUTONG ELECTRONICS CO LTD	GS-1 GS-2 GS-3 GS-4, GS-4S	Min. V-1, min. 105 °C
Triple insulation wire of T1,	Furukawa	TEX-E TEX-ELZ	130 °C

변경발급 내용
Contents of Certificate Revisions

- Delete Critical components information

Component (Part no.)	Manufacturer(Brand)	Model	Rating	Tested by
X Capacitors, X2 type (C2)	Kemet (Arcotronics)	R.46	275 V, 100 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	Kemet (Arcotronics)	R.49	310 V, 100 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	Iskra	KNR1530	AC 275 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Iskra	KNB1560	Min. AC 275 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Liow Gu	GS-L	Min. AC 250 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Pilkor	PCX2 335	275 V, 100 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	Pilkor	PCX2 337	275 V, 100 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	Ultra Tech	HQX	Min. AC 250 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Shiny Space	SX1	300 V, 105 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	HUA JUNG	MKP	250 V, 110 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	Carli Electronics	MPX	AC 275 V/310 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Xiamen Faratronics	MKP62	Min. AC 275 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Okaya	LE	AC 250 V, 100 °C, 0.47 uF	ENEC
Y capacitor, Y1 type (C23)	Murata	KX	100 pF, AC 250 V/300 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AH	100 pF, AC 250 V/400 V, 105 °C	VDE

변경발급 내용 Contents of Certificate Revisions				
Y capacitor, Y1 type (C23)	Walsin	AS	100 pF, AC 500 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	TDK	CD	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Welson	WD	100 pF, min AC 250 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	VY1	100 pF, 250 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	WKP	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	440L	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	Walsin	AC	2200 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	Murata	KH, KY	2200 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	TDK	CS	2200 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	Welson	KL	2200 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	VISHAY	338 6	2200 pF, 250 V, 105 °C	ENEC
Y capacitor, Y2 type (C129,C130)	Walsin	AC	10 nF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Murata	KH, KY	10 nF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	TDK	CS	10 nF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Welson	KL	10 nF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	VISHAY	338 6	10 nF, 250 V, 105 °C	ENEC

접 수 번 호 : 21-080534-09-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-19008A
(Certificate No.)

제 조 업 자/수 입 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
(Manufacturer/importer)

주 소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890,
(Address) Guangdong, China

제 품 명 : 조명기구용컨버터(LED용)
(Product) (Electronic controlgear)

기 본 모 델 명 : XLG-150-12-A
(Basic Model)

파 생 모 델 명 : XLG-150-12, XLG-150-24-A, XLG-150-24
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 165 W (Output: DC 12 V)
(Rating)

시 험 기 준 : KC61347-1(2015-09), KC61347-2-13(2015-09)
(Standard)

본 인증서는 제 조 국 명 : 중국
제 조 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
제조공장의 주소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890
. Guangdong, China
의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항, 제4항, 제10조제2항 또는 제15조제2항에 따라 안전인증서를 발급합니다.

We Issue This Safety Certificate for the above appliances in accordance with the Article 9(2),9(4),10(2) or 15(2) of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control Act.

2022 년 01 월 04 일
Year month day

한국산업기술시험원장
KOREA TESTING LABORATORY



* 이 인증서는 「전기용품 및 생활용품 안전관리법 시행규칙」에 따른 제품의 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류

1. 전기용품의 안전관리부품 및 재질목록(List of Critical Components)
2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)
3. 안전인증의 변경 현황 (Revisions Status)

□ 첨부 1 : 전기용품의 안전관리부품 및 재질목록
List of Critical Components

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Input cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F 3G0.75mm ² -1.0mm ²	AC 300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 3G1.0 mm ² -4mm ²	AC 450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3 x 1.0 mm ²	AC 300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H07RN-F) 3 x 1.0 mm ²	AC 450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 66(H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co., Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² -2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co., Ltd	60245 IEC 66 (H07RN-F) 3x1.0,1.5,1.5,4 mm ²	AC450/750/ V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5) x (1.0-2.5) mm ²	AC450/750/ V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5) x (0.75/1) mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5)x(1/1.5/2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2-3x0.75-1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC66 (07RN-F) 2-5x1.0-2.5mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T 4 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T 4 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T 4 A, 250 V or AC 300 V	VDE
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
X-Capacitors (C1)	Kemet (Arcotronics)	R.46	AC 275 V, 0.22 µF, 100 °C	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	AC 315 V, 0.22 µF, 100 °C	ENEC
(Alternative)	Iskra	KNR1530	AC 275 V, 0.22 µF, 100 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 0.22 uF, 100 °C	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 0.22 uF, 100 °C	VDE
(Alternative)	Pilkor	PCX2 335	AC 275 V, 0.22 uF, 100 °C	ENEC
(Alternative)	Pilkor	PCX2 337	AC 275 V, 0.22 uF, 100 °C	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 0.22 uF, 100 °C	VDE
(Alternative)	Shiny Space	SX1	AC 300 V, 0.22 uF, 105 °C	ENEC
(Alternative)	HUA JUNG	MKP	AC 250 V, 0.22 uF, 110 °C	ENEC
(Alternative)	Carli Electronics	MPX	AC 275/310 V, 0.22 uF, 100 °C	VDE
(Alternative)	Joey	MPX	AC 275 V, 0.22 uF, 100 °C	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.22 uF, 100 °C	VDE
(Alternative)	Okaya	LE	AC 250 V, 0.22 uF, 100 °C	ENEC
X-Capacitors (C2)	Kemet (Arcotronics)	R.46	AC 275 V, 0.47 uF, 100 °C	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	AC 315 V, 0.47 uF, 100 °C	ENEC
(Alternative)	Iskra	KNR1530	AC 275 V, 0.47 uF, 100 °C	VDE
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 0.47 uF, 100 °C	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 0.47 uF, 100 °C	VDE
(Alternative)	Pilkor	PCX2 335	AC 275 V, 0.47 uF, 100 °C	ENEC
(Alternative)	Pilkor	PCX2 337	AC 275 V, 0.47 uF, 100 °C	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 0.47 uF, 100 °C	VDE
(Alternative)	Shiny Space	SX1	AC 300 V, 0.47 uF, 105 °C	ENEC
(Alternative)	HUA JUNG	MKP	AC 250 V, 0.47 uF, 110 °C	ENEC
(Alternative)	Carli Electronics	MPX	AC 275/310 V, 0.47 uF, 100 °C	VDE
(Alternative)	Joey	MPX	AC 275 V, 0.47 uF, 100 °C	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.47 uF, 100 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Okaya	LE	AC 250 V, 0.47 μ F, 100 $^{\circ}$ C	ENEC
Y-capacitor (C3, C4, C30)	Murata	KX	AC 250/300 V, 1 000 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	Guangdong Huiwan Electronics	AR	AC 500 V, 1 000 pF, 125 $^{\circ}$ C, Y1	VDE
(Alternative)	Walsin	AH	AC 250/400 V, 1 000 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	Walsin	AS	AC 500 V, 1 000 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	TDK	CD	AC 250/400 V, 1 000 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 1 000 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 1 000 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 1 000 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 1 000 pF, 105 $^{\circ}$ C, Y1	VDE
Y-capacitor (C23)	Murata	KX	AC 250/300 V, 100 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	Walsin	AH	AC 250/400 V, 100 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	Walsin	AS	AC 500 V, 100 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	TDK	CD	AC 250/400 V, 100 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 100 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 100 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 100 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 100 pF, 105 $^{\circ}$ C, Y1	VDE
Y-capacitor (C31, C32)	Walsin	AC	AC 250 V, 2 200 pF, 105 $^{\circ}$ C, Y2	VDE
(Alternative)	Murata	KH, KY	AC 250 V, 2 200 pF, 105 $^{\circ}$ C, Y2	VDE
(Alternative)	TDK	CS	AC 250 V, 2 200 pF, 105 $^{\circ}$ C, Y2	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Welson	KL	AC 250 V, 2 200 pF, 105 ℃, Y2	VDE
(Alternative)	VISHAY	338 6	AC 250 V, 2 200 pF, 105 ℃, Y2	ENEC
Y-capacitor (C129, C130)	Walsin	AC	AC 250 V, 10 nF, 105 ℃, Y2	VDE
(Alternative)	Murata	KH, KY	AC 250 V, 10 nF, 105 ℃, Y2	VDE
(Alternative)	TDK	CS	AC 250 V, 10 nF, 105 ℃, Y2	VDE
(Alternative)	Welson	KL	AC 250 V, 10 nF, 105 ℃, Y2	VDE
(Alternative)	VISHAY	338 6	AC 250 V, 10 nF, 105 ℃, Y2	ENEC
PCB	Junda	JD-D,JD-E	V-1, 105 ℃	UL
(Alternative)	GUANGZHOU TAIHE	THS, THD	V-1, 105 ℃	UL
(Alternative)	HONG SHIEN	03V-0, -D, -M	V-1, 105 ℃	UL
(Alternative)	HSU TZU	4V0, DV2, MV1	V-1, 105 ℃	UL
(Alternative)	JIIN-YU	JY-001, JY-003	V-1, 105 ℃	UL
(Alternative)	Brite Plus	DGV0-3A	V-1, 105 ℃	UL
(Alternative)	YANG MIN TECHNOLOGY LTD	76V0A	V-1, 105 ℃	UL
(Alternative)	KUNSHAN WANYUANTONG ELECTRONIC TECHNOLOGY CO LTD	SWZ-1	V-1, 105 ℃	UL
(Alternative)	GUANGDONG CHAOHUA	C-103, C-104	V-1, 105 ℃	UL
(Alternative)	GUANGZHOU TAIHUA MULTILAYER CIRCUIT BOARD CO LTD	ST-01	Min. V-1, min. 105 ℃	UL
(Alternative)	SUZHOU WUTONG ELECTRONICS CO LTD	GS-2	Min. V-1, min. 105 ℃	UL
(Alternative)	JIANGSU DIFEIDA ELECTRONICS CO LTD	DFD-2	Min. V-1, min. 105 ℃	UL
(Alternative)	HONG SHIEN	-D	Min. V-1, min. 105 ℃	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	KUNSHAN GUANGQIAN ELECTRONICS CO LTD	D, D1	Min. V-1, min. 105 ℃	UL
Line Filter Choke (LF1)	MEAN WELL	TR-6164	130 ℃	Tested with appliance
Line Filter Choke (LF2)	MEAN WELL	LF-6039	130 ℃	Tested with appliance
Line Filter Choke (L1)	MEAN WELL	TR-623A	130 ℃	Tested with appliance
Line Filter Choke (L2)	MEAN WELL	TF-6956	130 ℃	Tested with appliance
-Winding of LF1, LF2 and L1, L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U(MW 75- C), UEWN/U(MW 28-C), UEWS/U(MW75 -C)	130 ℃	Tested with appliance UL
Transformer (T1) for XLG-150-12, XLG-150-12-A	MEAN WELL Enterp rises Co., Ltd.	TF-6957	Class B	Tested with appliance
Transformer (T1) for XLG-150-24, XLG-150-24-A	MEAN WELL Enterp rises Co., Ltd.	TF-6958	Class B	Tested with appliance
-Bobbin of T1, LF2, L1 and L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 ℃	Tested with appliance UL
-(Alternative)	E I Dupont DE Ne mours & Co., Inc.	FR530	V-0, PET, 155 ℃	UL
-(Alternative)	NAN YA	1403G3, 1403G 6	V-0, 130 ℃	UL
-(Alternative)	CHANG CHUN PLA STICS CO LTD	T375J, T375HF	V-0, 150 ℃	UL
-(Alternative)	SUMITOMO CHEMI CAL CO LTD	E4008	130 ℃	UL
-(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9823	V-0, 150 ℃	UL
-(Alternative)	CHANG CHUN PLA STICS CO LTD	T200HF	V-0, 150 ℃	UL
-(Alternative)	CHANG CHUN PLA STICS CO LTD	T220NA	V-0, 150 ℃	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
-Triple insulation wire of T1	Furukawa	TEX-E	130 ℃	Tested with appliance UL
-(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2 SX	130 ℃	UL
-(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 ℃	UL
-Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW 75-C)	130 ℃	Tested with appliance UL
-Teflon tube	Great Holding Industrial Co., Ltd.	TFL, TFT, T FS	200 ℃	Tested with appliance UL
-(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 ℃	UL
-Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 ℃	Tested with appliance UL
-(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 ℃	UL
-(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1 1351-2(c)	130 ℃	UL
-(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	130 ℃	UL
-(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 ℃	UL
-(Alternative)	E I DUPONT DE NEMOURS & CO INC	Nomex®410,411 , 414, 418	220 ℃	UL
-(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 371F(a)	130 ℃	UL
Photo coupler (U3, U4)	Sharp	PC3L57	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.3 mm, min. 110 ℃	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 ℃	VDE
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 ℃	VDE
(Alternative)	Lite-On	LTV-817, LTV-817M, LTV-817S	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr= 8.0 mm, 110 ℃	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 mm, 115 ℃	VDE
(Alternative)	Toshiba Corporation	TLP781F	Dti = 0.6 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, 115 ℃	VDE
(Alternative)	Everlight	EL817M	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 ℃	VDE
(Alternative)	VISHAY	TCLT1008	Dti ≥ 0.4 mm, Int.dcr.= 5.2 mm, Ext. dcr.≥ 8.0 mm, min. 110 ℃	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299, 5297	V-0, 150 ℃	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 ℃	UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B	V-0, 150 ℃	UL
(Alternative)	DOW CORNING CORP	SYLGARD 160	V-0, 150 ℃	UL
(Alternative)	DOW CORNING CORP	TC-6011	V-0, 150 ℃	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 ℃	UL
(Alternative)	Riseast	SSTCP	V-0, 150 ℃	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 ℃	UL
Insulation sheet between transformer core and primary circuit	Itw Electronics Components/ Products (Shanghai) Co., Ltd.	Formex N3- (b)(d)(e)(k)	Min. V-1, min. 130 ℃, min. 0,2 mm thick, triple insulation	UL

☐ 유의사항 (Attention) :

1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등재를 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다.

As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.

2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 21 조제 1 항 또는 제 38 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다.

The Safety Certification will be cancelled under the Article 21(1), 38(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.

FP511-04

☐ 첨부 2 : 기본모델 · 파생모델의 내용
Description of the basic and series model

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
XLG-150-12	Without rear cover
XLG-150-24-A	U_{rated} (DC 24 V)
XLG-150-24	U_{rated} (DC 24 V) and Without rear cover
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-07-2 (2019.07.04.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 165 W, 2.0 A - Rated output voltage (U_{rated}) : DC 12 V - Rated output power (P_{rated}) : 150 W - t_c : 90 °C, t_a : 55 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant voltage type, Independent, SELV controlgear - With Rear cover(Plastic cap) - This product is filled with potting compound - Metal enclosure used ☐ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가팀 신 종욱 / 02-8601-1437 ☐ If you have any question on product review, please contact the person below : Job holder: Customer Support Division, Certification Convergence Evaluation Team, J.U.Shin / +82 2 860-1437	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용
Contents of Certificate Revisions

1st Rev.) Change name, president and address of manufacturer (21-080534-09-1 : 2022.01.04.)
- Before : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch / Yin Xiao Ming
No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China
After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang
No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China

FP511-06

접 수 번 호 : 19-032492-07-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-19008
(Certificate No.)

제 조 업 자/수 입 업 자 명 : MEAN WELL (GUANGZHOU) Electronics Co., Ltd. Huadu Branch
(Manufacturer/importer)

주 소 : No.11, Jingu South Road, Huadong Town, Huadu District, Guangzhou, P. R. China
(Address)

제 품 명 : 조명기구용컨버터(LED용)
(Product) (Electronic controlgear)

기 본 모 델 명 : XLG-150-12-A
(Basic Model)

파 생 모 델 명 : XLG-150-12, XLG-150-24-A, XLG-150-24
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 165 W (Output: DC 12 V)
(Rating)

시 험 기 준 : KC61347-1(2015-09), KC61347-2-13(2015-09)
(Standard)

본 인증서는 제 조 국 명 : 중국
제 조 업 자 명 : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch
제조공장의 주소 : No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China
의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항, 제4항, 제10조제2항 또는 제15조제2항에 따라 안전인증서를 발급합니다.

We Issue This Safety Certificate for the above appliances in accordance with the Article 9(2), 9(4), 10(2) or 15(2) of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control Act.

2019 년 07 월 05 일
Year month day

한국산업기술시험원
KOREA TESTING LABORATORY



※ 이 인증서는 「전기용품 및 생활용품 안전관리법 시행규칙」에 따른 제품의 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류

1. 전기용품의 안전관리부품 및 재질목록(List of Critical Components)
2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)
3. 안전인증의 변경 현황 (Revisions Status)

□ 첨부 1 : 전기용품의 안전관리부품 및 재질목록
List of Critical Components

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Input cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F 3G0.75mm ² -1.0mm ²	AC 300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 3G1.0 mm ² -4mm ²	AC 450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x 1.0 mm ²	AC 300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H07RN-F) 3x 1.0 mm ²	AC 450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 66(H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co., Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² -2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co., Ltd	60245 IEC 66 (H07RN-F) 3x1.0,1.5,1.5,4 mm ²	AC450/750/ V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)x(1.0-2.5) mm ²	AC450/750/ V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5)x(0.75/1)mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5)x(1/1.5/2.5)mm ²	AC450/750 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2-3x0.75-1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC66 (07RN-F) 2-5x1.0-2.5mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T 4 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T 4 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T 4 A, 250 V or AC 300 V	VDE
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
X-Capacitors (C1)	Kemet (Arcotronics)	R.46	AC 275 V, 0.22 uF, 100 °C	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	AC 315 V, 0.22 uF, 100 °C	ENEC
(Alternative)	Iskra	KNR1530	AC 275 V, 0.22 uF, 100 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 0.22 uF, 100 °C	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 0.22 uF, 100 °C	VDE
(Alternative)	Pilkor	PCX2 335	AC 275 V, 0.22 uF, 100 °C	ENEC
(Alternative)	Pilkor	PCX2 337	AC 275 V, 0.22 uF, 100 °C	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 0.22 uF, 100 °C	VDE
(Alternative)	Shiny Space	SX1	AC 300 V, 0.22 uF, 105 °C	ENEC
(Alternative)	HUA JUNG	MKP	AC 250 V, 0.22 uF, 110 °C	ENEC
(Alternative)	Carli Electronics	MPX	AC 275/310 V, 0.22 uF, 100 °C	VDE
(Alternative)	Joey	MPX	AC 275 V, 0.22 uF, 100 °C	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.22 uF, 100 °C	VDE
(Alternative)	Okaya	LE	AC 250 V, 0.22 uF, 100 °C	ENEC
X-Capacitors (C2)	Kemet (Arcotronics)	R.46	AC 275 V, 0.47 uF, 100 °C	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	AC 315 V, 0.47 uF, 100 °C	ENEC
(Alternative)	Iskra	KNR1530	AC 275 V, 0.47 uF, 100 °C	VDE
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 0.47 uF, 100 °C	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 0.47 uF, 100 °C	VDE
(Alternative)	Pilkor	PCX2 335	AC 275 V, 0.47 uF, 100 °C	ENEC
(Alternative)	Pilkor	PCX2 337	AC 275 V, 0.47 uF, 100 °C	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 0.47 uF, 100 °C	VDE
(Alternative)	Shiny Space	SX1	AC 300 V, 0.47 uF, 105 °C	ENEC
(Alternative)	HUA JUNG	MKP	AC 250 V, 0.47 uF, 110 °C	ENEC
(Alternative)	Carli Electronics	MPX	AC 275/310 V, 0.47 uF, 100 °C	VDE
(Alternative)	Joey	MPX	AC 275 V, 0.47 uF, 100 °C	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.47 uF, 100 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Okaya	LE	AC 250 V, 0.47 uF, 100 °C	ENEC
Y-capacitor (C3, C4, C30)	Murata	KX	AC 250/300 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Guangdong Huiwan Electronics	AR	AC 500 V, 1 000 pF, 125 °C, Y1	VDE
(Alternative)	Walsin	AH	AC 250/400 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AS	AC 500 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	TDK	CD	AC 250/400 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 1 000 pF, 105 °C, Y1	VDE
Y-capacitor (C23)	Murata	KX	AC 250/300 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AH	AC 250/400 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AS	AC 500 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	TDK	CD	AC 250/400 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 100 pF, 105 °C, Y1	VDE
Y-capacitor (C31, C32)	Walsin	AC	AC 250 V, 2 200 pF, 105 °C, Y2	VDE
(Alternative)	Murata	KH, KY	AC 250 V, 2 200 pF, 105 °C, Y2	VDE
(Alternative)	TDK	CS	AC 250 V, 2 200 pF, 105 °C, Y2	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Welson	KL	AC 250 V, 2 200 pF, 105 °C, Y2	VDE
(Alternative)	VISHAY	338 6	AC 250 V, 2 200 pF, 105 °C, Y2	ENEC
Y-capacitor (C129, C130)	Walsin	AC	AC 250 V, 10 nF, 105 °C, Y2	VDE
(Alternative)	Murata	KH, KY	AC 250 V, 10 nF, 105 °C, Y2	VDE
(Alternative)	TDK	CS	AC 250 V, 10 nF, 105 °C, Y2	VDE
(Alternative)	Welson	KL	AC 250 V, 10 nF, 105 °C, Y2	VDE
(Alternative)	VISHAY	338 6	AC 250 V, 10 nF, 105 °C, Y2	ENEC
PCB	Junda	JD-D,JD-E	V-1, 105 °C	UL
(Alternative)	GUANGZHOU TAIHE	THS, THD	V-1, 105 °C	UL
(Alternative)	HONG SHIEN	03V-0, -D, -M	V-1, 105 °C	UL
(Alternative)	HSU TZU	4V0, DV2, MV1	V-1, 105 °C	UL
(Alternative)	JIIN-YU	JY-001, JY-003	V-1, 105 °C	UL
(Alternative)	Brite Plus	DGV0-3A	V-1, 105 °C	UL
(Alternative)	YANG MIN TECHNOLOGY LTD	76V0A	V-1, 105 °C	UL
(Alternative)	KUNSHAN WANYUANTONG ELECTRONIC TECHNOLOGY CO LTD	SWZ-1	V-1, 105 °C	UL
(Alternative)	GUANGDONG CHAOHUA	C-103, C-104	V-1, 105 °C	UL
(Alternative)	GUANGZHOU TAIHUA MULTILAYER CIRCUIT BOARD CO LTD	ST-01	Min. V-1, min. 105 °C	UL
(Alternative)	SUZHOU WUTONG ELECTRONICS CO LTD	GS-2	Min. V-1, min. 105 °C	UL
(Alternative)	JIANGSU DIFEIDA ELECTRONICS CO LTD	DFD-2	Min. V-1, min. 105 °C	UL
(Alternative)	HONG SHIEN	-D	Min. V-1, min. 105 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	KUNSHAN GUANGQIAN ELECTRONICS CO LTD	D, D1	Min. V-1, min. 105 °C	UL
Line Filter Choke (LF1)	MEAN WELL	TR-6164	130 °C	Tested with appliance
Line Filter Choke (LF2)	MEAN WELL	LF-6039	130 °C	Tested with appliance
Line Filter Choke (L1)	MEAN WELL	TR-623A	130 °C	Tested with appliance
Line Filter Choke (L2)	MEAN WELL	TF-6956	130 °C	Tested with appliance
-Winding of LF1, LF2 and L1, L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U(MW 75- C), UEWN/U(MW 28-C), UEWS/U(MW75 -C)	130 °C	Tested with appliance UL
Transformer (T1) for XLG-150-12, XLG-150-12-A	MEAN WELL Enterp rises Co., Ltd.	TF-6957	Class B	Tested with appliance
Transformer (T1) for XLG-150-24, XLG-150-24-A	MEAN WELL Enterp rises Co., Ltd.	TF-6958	Class B	Tested with appliance
-Bobbin of T1, LF2, L1 and L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with appliance UL
-(Alternative)	E I Dupont DE Ne mours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
-(Alternative)	NAN YA	1403G3, 1403G 6	V-0, 130 °C	UL
-(Alternative)	CHANG CHUN PLA STICS CO LTD	T375J, T375HF	V-0, 150 °C	UL
-(Alternative)	SUMITOMO CHEMI CAL CO LTD	E4008	130 °C	UL
-(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9823	V-0, 150 °C	UL
-(Alternative)	CHANG CHUN PLA STICS CO LTD	T200HF	V-0, 150 °C	UL
-(Alternative)	CHANG CHUN PLA STICS CO LTD	T220NA	V-0, 150 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
-Triple insulation wire of T1	Furukawa	TEX-E	130 °C	Tested with appliance UL
-(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2 SX	130 °C	UL
-(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 °C	UL
-Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW 75-C)	130 °C	Tested with appliance UL
-Teflon tube	Great Holding Industrial Co., Ltd.	TFL, TFT, T FS	200 °C	Tested with appliance UL
-(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 °C	UL
-Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 °C	Tested with appliance UL
-(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 °C	UL
-(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1 1351-2(c)	130 °C	UL
-(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	130 °C	UL
-(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 °C	UL
-(Alternative)	E I DUPONT DE NEMOURS & CO INC	Nomex®410,411 , 414, 418	220 °C	UL
-(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 371F(a)	130 °C	UL
Photo coupler (U3, U4)	Sharp	PC3L57	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.3 mm, min. 110 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr. ≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr. ≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817, LTV-817M, LTV-817S	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr ≥ 8 mm, 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr= 8.0 mm, 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 mm, 115 °C	VDE
(Alternative)	Toshiba Corporation	TLP781F	Dti = 0.6 mm, Int. dcr.= 6.0 mm, Ext. dcr. ≥ 8.0 mm, 115 °C	VDE
(Alternative)	Everlight	EL817M	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr. ≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti ≥ 0.4 mm, Int. dcr.= 5.2 mm, Ext. dcr. ≥ 8.0 mm, min. 110 °C	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299, 5297	V-0, 150 °C	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	SYLGARD 160	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	TC-6011	V-0, 150 °C	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 °C	UL
(Alternative)	Riseast	SSTCP	V-0, 150 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 °C	UL
Insulation sheet between transformer core and primary circuit	Itw Electronics Components/ Products (Shanghai) Co., Ltd.	Formex N3- (b)(d)(e)(k)	Min. V-1, min. 130 °C, min. 0,2 mm thick, triple insulation	UL

☐ 유의사항 (Attention) :

1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등재를 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다.

As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.

2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 21 조제 1 항 또는 제 38 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다.

The Safety Certification will be cancelled under the Article 21(1), 38(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.

□ 첨부 2 : 기본모델 · 파생모델의 내용
Description of the basic and series model

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
XLG-150-12	Without rear cover
XLG-150-24-A	U_{rated} (DC 24 V)
XLG-150-24	U_{rated} (DC 24 V) and Without rear cover
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-07-2 (2019.07.04.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 165 W, 2.0 A - Rated output voltage (U_{rated}) : DC 12 V - Rated output power (P_{rated}) : 150 W - t_c : 90 °C, t_a : 55 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant voltage type, Independent, SELV controlgear - With Rear cover(Plastic cap) - This product is filled with potting compound - Metal enclosure used □ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 : BK 전략본부 인증관리센터 이 용노 / (02)860-1423 □ If you have any question on product review, please contact the person below : Job holder: BK Strategy Division Certification Management Center, Y.R.LEE/+82 2 8601-423	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
Not applicable

FP511-06

접 수 번 호 : 23-043447-07-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-19007C
(Certificate No.)

제 조 업 자/수 입 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
(Manufacturer/importer)

주 소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890,
(Address) Guangdong, China

제 품 명 : 조명기구용컨버터(LED용)
(Product) (Electronic controlgear)

기 본 모 델 명 : XLG-150-H-AB
(Basic Model)

파 생 모 델 명 : See the attachment 2
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 165 W
(Rating) (Output: 2.8 A, Max. DC 60 V)

시 험 기 준 : KC61347-1(2022-02), KC61347-2-13(2022-02)
(Standard)

본 인증서는 제 조 국 명 : 중국
제 조 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
제조공장의 주소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890
, Guangdong, China
의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항, 제4항, 제10조제2항 또는 제15조제2항에 따라
안전인증서를 발급합니다.

We Issue This Safety Certificate for the above appliances in accordance with the Article 9(2),9(4),10(2)
or 15(2) of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control
Act.

2023 년 08 월 22 일
Year month day

한국산업기술시험원
KOREA TESTING LABORATORY



※ 이 인증서는 「전기용품 및 생활용품 안전관리법 시행규칙」에 따른 제품의 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는
제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류

1. 전기용품의 안전관리부품 및 재질목록(List of Critical Components)
2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)
3. 안전인증의 변경 현황 (Revisions Status)

□ 첨부 1 : 전기용품의 안전관리부품 및 재질목록
List of Critical Components

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Input cord (indoor use only)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	K60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
Input cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	K60245 IEC 66 H08RN-F	AC 450 / 750 V, 3G x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 57 (H05RN-F) 3×1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 66 (H07RN-F) 3×1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F), 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC66 (H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co.,Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² - 2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co.,Ltd	60245 IEC66 (H07RN- F), 3X1.0, 1.5, 2.5, 4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3×0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)×(1.0-2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5)×(1/1.5/2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-ShengElectronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5)×(0.75/1) mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co.,Ltd.	60245 IEC 57 (H05RN-F 3G1.0)	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co.,Ltd.	60245 IEC 66 (H07RN-F 2~5x1.0~2.5 mm ²)	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T4 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T4 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T4 A, 250 V or AC 300 V	VDE
(Alternative)	Conquer	MST	T6.3 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T6.3 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T6.3 A, 250 V or AC 300 V	VDE
Varistor (ZNR3, ZNR4)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Huiwan	V-471K-10D(E)H, V-471K-14D(E)H	AC 300 V, DC 470 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-561K-10D(E)H, V-561K-14D(E)H	AC 350 V, DC 450 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-621K-10D(E)H, V-621K-14D(E)H	AC 395 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H	AC 420 V, DC 560 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S511K JVT14S511K	AC 320 V, DC 510 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S621K JVT14S621K	AC 395 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S681K JVT14S681K	AC 420 V, DC 560 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S751K JVT14S751K	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751	AC 465 V, DC 750 V, min. 105 °C	VDE
X Capacitors, (C1,C2)	Kemet (Arcotronics)	R.46	275 V, 100 °C, Max.0.68 uF	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Kemet (Arcotronics)	R.49	310 V, 100 °C, Max.0.68 uF	ENEC
(Alternative)	NISSEI	MP1	300V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Iskra	KNR1530	AC 275 V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Pilkor	PCX2 335	275 V, 100 °C, Max.0.68 uF	ENEC
(Alternative)	Pilkor	PCX2 337	275 V, 100 °C, Max.0.68 uF	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Shiny Space	SX1	300 V, 105 °C, Max.0.68 uF	ENEC
(Alternative)	HUA JUNG	MKP	250 V, 110 °C, Max.0.68 uF	ENEC
(Alternative)	Carli Electronics	MPX	AC 275 V/310 V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Joey	MPX	AC 275 V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Okaya	LE	AC 250 V, 100 °C, Max.0.68 uF	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Y capacitor, (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.10000 pF (Optional)	Murata	KX,KH,KY	min.250V, min,105 °C,	VDE
(Alternative)	Guangdong Huiwan Electronics	AB	min.300V, min,105 °C,	VDE
(Alternative)	Guangdong Huiwan Electronics	AR	min.500 V, 125 ° C	VDE
(Alternative)	Wanming	HM	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Wanming	HJ	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Walsin	AH,AC,AS	min.250V, min,105 °C,	VDE
(Alternative)	TDK	CD,CS	min.250V, min,105 °C,	VDE
(Alternative)	Welson	WD	min.250V, min,105 °C,	VDE
(Alternative)	VISHAY	VY1	min.250V, min,105 °C,	VDE
(Alternative)	VISHAY	WKP	min.250V, min,105 °C,	VDE
(Alternative)	VISHAY	440L	min.250V, min,105 °C,	VDE
PCB	Junda	JD-D,JD-E, JD-D1	V-1, 105 °C	UL
(Alternative)	Tai He PCB Comp any Limited	THS THD1	Min. V-1, min. 130 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	DS-206T ML-401	Min. V-0, min. 130 °C	UL
(Alternative)	HONG SHIEN	03V-0, -D, -M	V-1, 105 °C	UL
(Alternative)	HSU TZU	4V0, DV2, MV1	V-1, 105 °C	UL
(Alternative)	JIIN-YU	JY-001, JY-003	V-1, 105 °C	UL
(Alternative)	Brite Plus	DGV0-3A	V-1, 105 °C	UL
(Alternative)	YANG MIN TECHNOLOGY LTD	76V0A	V-1, 105 °C	UL
(Alternative)	KUNSHAN WANYUANTONG ELECTRONIC TECHNOLOGY CO LTD	SWZ-1	V-1, 105 °C	UL
(Alternative)	GUANGDONG CHAOHUA	C-103, C-104,C-109	V-1, 105 °C	UL
(Alternative)	GUANGZHOU TAIHUA MULTILAYER CIRCUIT BOARD CO LTD	ST-01	Min. V-1, min. 105 °C	UL
(Alternative)	SUZHOU WUTONG ELECTRONICS CO LTD	GS-2,GS-1, GS-3 GS-4, GS-4S	Min. V-1, min. 105 °C	UL
(Alternative)	JIANGSU DIFEIDA ELECTRONICS CO LTD	DFD-2	Min. V-1, min. 105 °C	UL
(Alternative)	HONG SHIEN	-D	Min. V-1, min. 105 °C	UL
(Alternative)	KUNSHAN GUANGQIAN ELECTRONICS CO LTD	D, D1	Min. V-1, min. 105 °C	UL
(Alternative)	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A	V-1, 130 °C	UL
(Alternative)	RONG HUI	RH-3	V-1, 130 °C	UL
(Alternative)	CHANGZHOU AOHONG	AOH-2, AOH-8	V-1, 130 °C	UL
(Alternative)	CHANGZHOU HAIHONG	CCE-V0, HDCM1	V-1, 130 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Line Filter Choke (LF1)	MEAN WELL	TR-6164	130 °C	Tested with appliance
Line Filter Choke (LF2)	MEAN WELL	LF-6039	130 °C	Tested with appliance
Line Filter Choke(L1)	MEAN WELL	TR-623A	130 °C	Tested with appliance
Line Filter Choke(L2)	MEAN WELL	TF-6956	130 °C	Tested with appliance
Transformer (T1) For XLG-150-H, XLG-150-H-A	MEAN WELL Enterprises Co., Ltd.	TF-6959	Class B	Tested with appliance
Transformer (T1) For XLG-150-M, XLG-150-M-A	MEAN WELL Enterprises Co., Ltd.	TF-6960	Class B	Tested with appliance
Transformer (T1) For XLG-150-H-AB	MEAN WELL Enterprises Co., Ltd.	TF-6987	Class B	Tested with appliance
Transformer (T1) For XLG-150-M-AB	MEAN WELL Enterprises Co., Ltd.	TF-6988	Class B	Tested with appliance
Bobbin of T1, LF2, L1 and L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with appliance UL
(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9750 PM-9823	155°C	UL
(Alternative)	E I Dupont DE Nemours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
(Alternative)	NAN YA	1403G3, 1403G6	V-0, 130 °C	UL
(Alternative)	CHANG CHUN PLASTICS CO LTD	T375J,T375HF	V-0, 150 °C	UL
(Alternative)	SUMITOMO CHEMICAL CO LTD	E4008	130 °C	UL
(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9823	V-0, 150 °C	UL
(Alternative)	CHANG CHUN PLASTICS CO LTD	T200HF	V-0, 150 °C	UL
(Alternative)	CHANG CHUN PLASTICS CO LTD	T220NA	V-0, 150 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Winding of LF1, LF2 and L1, L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U(MW 75-C), UEWN/U(MW 28-C), UEWS/U(MW75-C)	130 °C	Tested with appliance UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD- NYU(MW 28-C)	130 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C), UE W-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY/Q(A/X)- B,F)(MW 28-C)	130 °C	UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)	155 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80- C), SFFW-2@(MW 79-C), SFBW- 2@(MW 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY/Q(A/X)- B,F)(MW 80-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU- H180(UEW/QA-H) (MW 82-C)	180 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	155 °C	UL
(Alternative)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	155 °C	UL
Triple insulation wire of T1,	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL
(Alternative)	TOTOKU ELECTRI C CO LTD	TIW-2X, TIW-2SX	130 °C	UL
(Alternative)	TOTOKU ELECTRI C CO LTD	TIW-3X	155 °C	UL
(Alternative)	Heyuan Koshen In sulator	TIW-B*(a) TIW-B-LITZ	130 °C	UL
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO L TD.	UEW/U@ (MW 75-C)	130 °C	Tested with appliance UL
Teflon tube	Great Holding Industrial Co., Ltd.	TFL,TFT,TFS	200 °C	Tested with appliance UL
(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 °C	UL
(Alternative)	CHANGYUAN ELECTRONICS GROUP CO LTD	CB-HFT, CB-HFT(XY), CYG-MT, CB-TT-L, CB-TT-S, CB-TT-T, CYG-ZHP	200 °C	UL
Insulation tape	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 °C	Tested with appliance UL
(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 °C	UL
(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1 1351-2(c)	130 °C	UL
(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	130 °C	UL
(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 °C	UL
(Alternative)	E I DUPONT DE NEMOURS & CO INC	Nomex®410,411, 414, 418	220 °C	UL
(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 371F(a)	130 °C	UL
Photo coupler (U3, U4) (U602 only for XLG-150-H-AB and XLG-150-M-AB)	Sharp	PC3L57	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.3 mm, min. 110 °C	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817, LTV-817M, LTV-817S	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr≥ 8 mm, 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr= 8.0 mm, 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 mm, 115 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Renesas electronics corporation	PS2561DL1-1	Dti= 0.4 mm, Int. cr= 5.0 mm, Ext. cr ≥ 8.0 mm, 110 °C	VDE
(Alternative)	Toshiba Corporation	TLP781F	Dti = 0.6 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, 115 °C	VDE
(Alternative)	Everlight	EL817M	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti ≥ 0.4 mm, Int.dcr.= 5.2 mm, Ext. dcr.≥ 8.0 mm, min. 110 °C	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299, 5297	V-0, 150 °C	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	SYLGARD 160	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	TC-6011	V-0, 150 °C	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 °C	UL
(Alternative)	Riseast	SSTCP	V-0, 150 °C	UL
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 °C	UL
Insulation sheet between transformer core and primary circuit	Itw Electronics Components/ Products (Shanghai) Co., Ltd.	Formex N3-(b)(d)(e)(k)	Min. V-1, min. 130°C, min. 0,2 mm thick, tiple insulation	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
☐ 유의사항 (Attention) : 1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등재를 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다. <i>As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.</i> 2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 21 조제 1 항 또는 제 38 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다. <i>The Safety Certification will be cancelled under the Article 21(1), 38(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.</i>				

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□ 첨부 2 : 기본모델 · 파생모델의 내용
Description of the basic and series model

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
XLG-150-H	Without Dimming PCB, Dimming wire and rear cover
XLG-150-H-A	Without Dimming PCB and Dimming wire
XLG-150-M	Rated (1.4 ~2.1 A), U-OUT (DC Max. 115 V), Without Dimming PCB, Dimming wire and rear cover
XLG-150-M-A	Rated (1.4 ~2.1 A), U-OUT (DC Max. 115 V), Without Dimming PCB and Dimming wire
XLG-150-M-AB	Rated (1.4 ~2.1 A) and U-OUT (DC Max. 115 V)
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-06-2 (2019.07.04.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 165 W, 2.0 A - Rated output current (I_{rated}) : 2.8 A - Rated output power (P_{rated}) : 150 W - Maximum output voltage(U-OUT) : DC 60 V - t_c : 90 °C, t_a : 55 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant current type, Independent, SELV controlgear - With Dimming PCB(B type), Dimming wire and Rear cover(Plastic cap) - This product is filled with potting compound - Metal enclosure used □ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가센터 신 종욱 / 02-860-1473 □ If you have any question on product review, please contact the person below : Job holder: Customer Support Division, Certification Convergence Evaluation Center, J.U.Shin / +82 2 860-1473	

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☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
1 st Rev.) Change name, president and address of manufacturer (21-080534-10-1 : 2022.01.04.) – Before : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch / Yin Xiao Ming No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China

변경발급 내용
Contents of Certificate Revisions

2nd Rev.) Change of PCB layout and Addition of components (22-047914-02-1 : 2022.09.13.)
Based on CB report.Ref No. 4383752.50 and CB certificate Ref.No NL-79691
- PCB layout: Added alternative PCB layout for all models as new IC used.
The alternative PCB layout was similar as original PCB layout.
- Added alternative dimming PCB
- Added alternative fuse for all models.
- Additional component:

Component (Part no.)	Manufacturer(Brand)	Model
Input cord (indoor use only)	Dongguan Ever United Electric Wire&Cable C o., Ltd.	K60245 IEC 57 H05RN-F
Input cord (indoor use only)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Input cord	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Fuse (FS1)	Conquer	MST
Fuse (FS1)	Walter	2010
Fuse (FS1)	Littelfuse	369
Varistor (ZNR2, ZNR3)	Huiwan	V-471K-10D(E)H, V-471K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-561K-10D(E)H, V-561K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-621K-10D(E)H, V-621K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S511K JVT14S511K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S621K JVT14S621K

변경발급 내용 Contents of Certificate Revisions		
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S681K JVT14S681K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S751K JVT14S751K
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20751
X Capacitors, (C1,C2)	NISSEI	MP1
Y capacitor,-(C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Guangdong Huiwan Electronics	AB
Y capacitor,-(C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Guangdong Huiwan Electronics	AR

변경발급 내용 Contents of Certificate Revisions		
Y capacitor,-(C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Wanming	HM
Y capacitor,-(C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Wanming	HJ
PCB	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A
PCB	RONG HUI	RH-3
PCB	CHANGZHOU AOHONG	AOH-2, AOH-8
PCB	CHANGZHOU HAIHONG	CCE-V0, HDCEM1
Bobbin of T1, LF2, L1 and L2	Sumitomo Bakelite Co., Ltd.	PM-9750

변경발급 내용 Contents of Certificate Revisions		
Winding of LF1, LF2, L1, L2 and T1	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of LF1, LF2, L1, L2 and T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of LF1, LF2, L1, L2 and T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H) (MW 82-C)
Winding of LF1, LF2, L1, L2 and T1	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Triple insulation wire of T1,	Heyuan Koshen Insulator	TIW-B*(a) TIW-B-LITZ

변경발급 내용
Contents of Certificate Revisions

Teflon tube	CHANGYUAN ELECTRONICS GROUP CO LTD	CB-HFT, CB-HFT(XY), CYG-MT, CB-TT-L, CB-TT-S, CB-TT-T, CYG-ZHP
Insulation tape	3M COMPANY ELECTRICAL MARKET S DIV (EMD)	92
Photo coupler (U3, U4)	Renesas electronicscorporation	PS2561DL1-1

- Change Critical components rating information

Component (Part no.)	Manufacturer(Brand)	Model	Rating
X Capacitors, (C1,C2)	Kemet (Arcotronics)	R.46	275 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Kemet (Arcotronics)	R.49	310 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Iskra	KNR1530	AC 275 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Iskra	KNB1560	Min. AC 275 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Liow Gu	GS-L	Min. AC 250 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Pilkor	PCX2 335	AC 275 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Pilkor	PCX2 337	275 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Ultra Tech	HQX	Min. AC 250 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Shiny Space	SX1	300 V, 105 °C, Max.0.68 uF
X Capacitors, (C1,C2)	HUA JUNG	MKP	250 V, 110 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Carli Electronics	MPX	AC 275 V/310 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Joey	MPX	AC 275 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Xiamen Faratronic	MKP62	Min. AC 275 V, 100 °C, Max.0.68 uF

변경발급 내용 Contents of Certificate Revisions			
X Capacitors, (C1,C2)	Okaya	LE	AC 250 V,100 °C, Max.0.68 uF
Y capacitor,- (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Murata	KX,KH,KY	min.250V, min,105 °C,
Y capacitor,- (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Walsin	AH,AC,AS	min.250V, min,105 °C,

변경발급 내용 Contents of Certificate Revisions			
Y capacitor,- (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	TDK	CD,CS	min.250V, min,105 °C,
Y capacitor,- (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Welson	WD	min.250V, min,105 °C,
Y capacitor,- (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	VISHAY	VY1	min.250V, min,105 °C,

변경발급 내용 Contents of Certificate Revisions			
Y capacitor,- (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	VISHAY	WKP	min.250V, min,105 °C,
Y capacitor,- (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23: Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	VISHAY	440L	min.250V, min,105 °C,
PCB	Junda	JD-D,JD-E, JD-D1	V-1, 105 °C
PCB	GUANGDONG CHAOH UA	C-103, C-104,C-109	V-1, 105 °C
PCB	SUZHOU WUTONG E ELECTRONICS CO LTD	GS-1 GS-2 GS-3 GS-4, GS-4S	Min. V-1, min. 105 °C
Triple insulation wire of T1,	Furukawa	TEX-E TEX-ELZ	130 °C

변경발급 내용
Contents of Certificate Revisions

- Delete Critical components information

Component (Part no.)	Manufacturer(Brand)	Model	Rating	Tested by
X Capacitors, X2 type (C2)	Kemet (Arcotronics)	R.46	275 V, 100 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	Kemet (Arcotronics)	R.49	310 V, 100 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	Iskra	KNR1530	AC 275 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Iskra	KNB1560	Min. AC 275 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Liow Gu	GS-L	Min. AC 250 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Pilkor	PCX2 335	275 V, 100 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	Pilkor	PCX2 337	275 V, 100 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	Ultra Tech	HQX	Min. AC 250 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Shiny Space	SX1	300 V, 105 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	HUA JUNG	MKP	250 V, 110 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	Carli Electronics	MPX	AC 275 V/310 V, 100 °C, 0.47 uF	VDE

변경발급 내용 Contents of Certificate Revisions				
X Capacitors, X2 type (C2)	Joey	MPX	AC 275 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Xiamen Faratronic	MKP62	Min. AC 275 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Okaya	LE	AC 250 V, 100 °C, 0.47 uF	ENEC
Y capacitor, Y1 type (C23)	Murata	KX	100 pF, AC 250 V/300 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AH	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AS	100 pF, AC 500 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	TDK	CD	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Welson	WD	100 pF, min AC 250 V, 105 °C	VDE

변경발급 내용
Contents of Certificate Revisions

Y capacitor, Y1 type (C23)	VISHAY	VY1	100 pF, 250 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	WKP	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	440L	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	Walsin	AC	2200 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	Murata	KH, KY	2200 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	TDK	CS	2200 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	Welson	KL	2200 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	VISHAY	338 6	2200 pF, 250 V, 105 °C	ENEC
Y capacitor, Y2 type (C129,C130)	Walsin	AC	10 nF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Murata	KH, KY	10 nF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	TDK	CS	10 nF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Welson	KL	10 nF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	VISHAY	338 6	10 nF, 250 V, 105 °C	ENEC

변경발급 내용
Contents of Certificate Revisions

3rd Rev.) Components modification and update of KC standards to KC61347-1(2022.02) & KC61347-2-13(2022.02) (23-043447-07-1 : 2023.08.22.) based on CB Certificate Ref.No.: NL-89358 (DEKRA Certification B.V.) and CB report No., 4904966.50(DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)

-Alternative PCBs added;

Component (Part no.)	Manufacturer(Brand)	Model	Rating	Tested by
PCB	Tai He PCB Company Limited	THS, THD1	Min. V-1, min. 130 °C	UL
PCB	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	DS-206T, ML-401	Min. V-0, min. 130 °C	UL

- Derivative model XLG-150-M, XLG-150-M-A, XLG-150-M-AB rating change from Irated(1.4 A) to Irated(1.4-2.1A), Output(DC Max.115V)
- Varistor change from (ZNR2, ZNR3) to (ZNR3, ZNR4)
- Y capacitor C129, C130 change from Max.1000pF to Max.10000pF
- Deletion of below component

Component (Part no.)	Manufacturer(Brand)	Model	Rating	Tested by
(Alternative)	GUANGZHOU TAIHE	THS, THD	V-1, 105 °C	UL

접 수 번 호 : 22-047914-02-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-19007B
(Certificate No.)

제 조 업 자/수 입 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
(Manufacturer/importer)

주 소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890,
(Address) Guangdong, China

제 품 명 : 조명기구용컨버터(LED용)
(Product) (Electronic controlgear)

기 본 모 델 명 : XLG-150-H-AB
(Basic Model)

파 생 모 델 명 : See the attachment 2
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 165 W
(Rating) (Output: 2.8 A, Max. DC 60 V)

시 험 기 준 : KC61347-1(2015-09), KC61347-2-13(2015-09)
(Standard)

본 인증서는 제 조 국 명 : 중국
제 조 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
제조공장의 주소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890
, Guangdong, China
의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항, 제4항, 제10조제2항 또는 제15조제2항에 따라
안전인증서를 발급합니다.

We Issue This Safety Certificate for the above appliances in accordance with the Article 9(2),9(4),10(2)
or 15(2) of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control
Act.

2022 년 09 월 13 일
Year month day

한국산업기술시험원
KOREA TESTING LABORATORY



※ 이 인증서는 「전기용품 및 생활용품 안전관리법 시행규칙」에 따른 제품의 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는
제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류

1. 전기용품의 안전관리부품 및 재질목록(List of Critical Components)
2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)
3. 안전인증의 변경 현황 (Revisions Status)

□ 첨부 1 : 전기용품의 안전관리부품 및 재질목록
List of Critical Components

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Input cord (indoor use only)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	K60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
Input cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	K60245 IEC 66 H08RN-F	AC 450 / 750 V, 3G x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 57 (H05RN-F) 3×1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 66 (H07RN-F) 3×1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F), 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC66 (H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co.,Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² - 2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Shanghai Yusheng Enterprise Development Co.,Ltd	60245 IEC66 (H07RN-F), 3X1.0, 1.5, 2.5, 4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3×0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)×(1.0-2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5)×(1/1.5/2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5)×(0.75/1) mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co.,Ltd.	60245 IEC 57 (H05RN-F 3G1.0)	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co.,Ltd.	60245 IEC 66 (H07RN-F 2~5x1.0~2.5 mm ²)	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T4 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T4 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T4 A, 250 V or AC 300 V	VDE
(Alternative)	Conquer	MST	T6.3 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T6.3 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T6.3 A, 250 V or AC 300 V	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-471K-10D(E) H, V-471K- 14D(E)H	AC 300 V, DC 470 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-511K-10D(E) H, V-511K- 14D(E)H	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-561K-10D(E) H, V-561K- 14D(E)H	AC 350 V, DC 450 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-621K-10D(E) H, V-621K- 14D(E)H	AC 395 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-681K-10D(E) H, V-681K- 14D(E)H	AC 420 V, DC 560 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S511K JVT14S511K	AC 320 V, DC 510 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S621K JVT14S621K	AC 395 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S681K JVT14S681K	AC 420 V, DC 560 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S751K JVT14S751K	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D	AC 300 V, DC 385 V, min. 105 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751	AC 465 V, DC 750 V, min. 105 °C	VDE
X Capacitors, (C1,C2)	Kemet (Arcotronics)	R.46	275 V, 100 °C, Max.0.68 uF	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	310 V, 100 °C, Max.0.68 uF	ENEC
(Alternative)	NISSEI	MP1	300V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Iskra	KNR1530	AC 275 V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Pilkor	PCX2 335	275 V, 100 °C, Max.0.68 uF	ENEC
(Alternative)	Pilkor	PCX2 337	275 V, 100 °C, Max.0.68 uF	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Shiny Space	SX1	300 V, 105 °C, Max.0.68 uF	ENEC
(Alternative)	HUA JUNG	MKP	250 V, 110 °C, Max.0.68 uF	ENEC
(Alternative)	Carli Electronics	MPX	AC 275 V/310 V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Joey	MPX	AC 275 V, 100 °C, Max.0.68 uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 100 °C, Max.0.68 uF	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Okaya	LE	AC 250 V, 100 °C, Max.0.68 uF	ENEC
Y capacitor, (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Murata	KX,KH,KY	min.250V, min,105 °C,	VDE
(Alternative)	Guangdong Huiwan Electronics	AB	min.300V, min,105 °C,	VDE
(Alternative)	Guangdong Huiwan Electronics	AR	min.500 V, 125 °C	VDE
(Alternative)	Wanming	HM	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Wanming	HJ	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Walsin	AH,AC,AS	min.250V, min,105 °C,	VDE
(Alternative)	TDK	CD,CS	min.250V, min,105 °C,	VDE
(Alternative)	Welson	WD	min.250V, min,105 °C,	VDE
(Alternative)	VISHAY	VY1	min.250V, min,105 °C,	VDE
(Alternative)	VISHAY	WKP	min.250V, min,105 °C,	VDE
(Alternative)	VISHAY	440L	min.250V, min,105 °C,	VDE
PCB	Junda	JD-D,JD-E, JD-D1	V-1, 105 °C	UL
(Alternative)	GUANGZHOU TAIHE	THS, THD	V-1, 105 °C	UL
(Alternative)	HONG SHIEN	03V-0, -D, -M	V-1, 105 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	HSU TZU	4V0, DV2, MV1	V-1, 105 °C	UL
(Alternative)	JIIN-YU	JY-001, JY-003	V-1, 105 °C	UL
(Alternative)	Brite Plus	DGV0-3A	V-1, 105 °C	UL
(Alternative)	YANG MIN TECHNOLOGY LTD	76V0A	V-1, 105 °C	UL
(Alternative)	KUNSHAN WANYUANTONG ELECTRONIC TECHNOLOGY CO LTD	SWZ-1	V-1, 105 °C	UL
(Alternative)	GUANGDONG CHAOHUA	C-103, C-104, C-109	V-1, 105 °C	UL
(Alternative)	GUANGZHOU TAIHUA MULTILAYER CIRCUIT BOARD CO LTD	ST-01	Min. V-1, min. 105 °C	UL
(Alternative)	SUZHOU WUTONG ELECTRONICS CO LTD	GS-2, GS-1, GS-3 GS-4, GS-4S	Min. V-1, min. 105 °C	UL
(Alternative)	JIANGSU DIFEIDA ELECTRONICS CO LTD	DFD-2	Min. V-1, min. 105 °C	UL
(Alternative)	HONG SHIEN	-D	Min. V-1, min. 105 °C	UL
(Alternative)	KUNSHAN GUANGQIAN ELECTRONICS CO LTD	D, D1	Min. V-1, min. 105 °C	UL
(Alternative)	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A	V-1, 130 °C	UL
(Alternative)	RONG HUI	RH-3	V-1, 130 °C	UL
(Alternative)	CHANGZHOU AOHONG	AOH-2, AOH-8	V-1, 130 °C	UL
(Alternative)	CHANGZHOU HAIHONG	CCE-V0, HDCEM1	V-1, 130 °C	UL
Line Filter Choke (LF1)	MEAN WELL	TR-6164	130 °C	Tested with appliance
Line Filter Choke (LF2)	MEAN WELL	LF-6039	130 °C	Tested with appliance

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Line Filter Choke(L1)	MEAN WELL	TR-623A	130 °C	Tested with appliance
Line Filter Choke(L2)	MEAN WELL	TF-6956	130 °C	Tested with appliance
Transformer (T1) For XLG-150-H, XLG-150-H-A	MEAN WELL Enterp rises Co., Ltd.	TF-6959	Class B	Tested with appliance
Transformer (T1) For XLG-150-M, XLG-150-M-A	MEAN WELL Enterp rises Co., Ltd.	TF-6960	Class B	Tested with appliance
Transformer (T1) For XLG-150-H- AB	MEAN WELL Enterp rises Co., Ltd.	TF-6987	Class B	Tested with appliance
Transformer (T1) For XLG-150-M- AB	MEAN WELL Enterp rises Co., Ltd.	TF-6988	Class B	Tested with appliance
Bobbin of T1, LF2, L1 and L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with appliance UL
(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9750 PM-9823	155°C	UL
(Alternative)	E I Dupont DE Ne mours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
(Alternative)	NAN YA	1403G3, 1403G 6	V-0, 130 °C	UL
(Alternative)	CHANG CHUN PLA STICS CO LTD	T375J,T375HF	V-0, 150 °C	UL
(Alternative)	SUMITOMO CHEMI CAL CO LTD	E4008	130 °C	UL
(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9823	V-0, 150 °C	UL
(Alternative)	CHANG CHUN PLA STICS CO LTD	T200HF	V-0, 150 °C	UL
(Alternative)	CHANG CHUN PLA STICS CO LTD	T220NA	V-0, 150 °C	UL
Winding of LF1, LF2 and L1, L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U(MW 75- C), UEWN/U(MW 28-C), UEWS/U(MW75 -C)	130 °C	Tested with appliance UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)	130 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q (A/X)-B,F)(MW 28-C)	130 °C	UL
(Alternative)	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)	155 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q (A/X)-B,F)(MW 80-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H) (MW 82-C)	180 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80- C)	155 °C	UL
(Alternative)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	155 °C	UL
Triple insulation wire of T1,	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2 SX	130 °C	UL
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 °C	UL
(Alternative)	Heyuan Koshen Ins ulator	TIW-B*(a) TIW-B-LITZ	130 °C	UL
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO L TD.	UEW/U@ (MW 75-C)	130 °C	Tested with appliance UL
Teflon tube	Great Holding Industrial Co., Ltd.	TFL,TFT,TFS	200 °C	Tested with appliance UL
(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 °C	UL
(Alternative)	CHANGYUAN ELECTRONICS GROUP CO LTD	CB-HFT, CB-HFT(XY), CYG-MT, CB-TT-L, CB-TT-S, CB-TT-T, CYG-ZHP	200 °C	UL
Insulation tape	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 °C	Tested with appliance UL
(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 °C	UL
(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1 1351-2(c)	130 °C	UL
(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	130 °C	UL
(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 °C	UL
(Alternative)	E I DUPONT DE NEMOURS & CO INC	Nomex®410,411 , 414, 418	220 °C	UL
(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 371F(a)	130 °C	UL
Photo coupler (U3, U4) (U602 only for XLG-150-H-AB and XLG-150-M-AB)	Sharp	PC3L57	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.3 mm, min. 110 °C	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817, LTV-817M, LTV-817S	Dti= 0.4 mm, Int. cr= 5.2 mm,Ext.cr≥ 8 mm, 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm,Ext.cr= 8.0 mm, 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 mm, 115 °C	VDE
(Alternative)	Renesas electronicscorporati on	PS2561DL1-1	Dti= 0.4 mm, Int. cr= 5.0 mm, Ext. cr ≥ 8.0 mm, 110 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Toshiba Corporation	TLP781F	Dti = 0.6 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, 115 °C	VDE
(Alternative)	Everlight	EL817M	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti ≥ 0.4 mm, Int.dcr.= 5.2 mm, Ext. dcr.≥ 8.0 mm, min. 110 °C	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299, 5297	V-0, 150 °C	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	SYLGARD 160	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	TC-6011	V-0, 150 °C	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 °C	UL
(Alternative)	Riseast	SSTCP	V-0, 150 °C	UL
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 °C	UL
Insulation sheet between transformer core and primary circuit	Itw Electronics Components/ Products (Shanghai) Co., Ltd.	Formex N3-(b)(d)(e)(k)	Min. V-1, min. 130°C, min. 0,2 mm thick, tiple insulation	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
☐ 유의사항 (Attention) : 1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등재를 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다. <i>As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.</i> 2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 21 조제 1 항 또는 제 38 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다. <i>The Safety Certification will be cancelled under the Article 21(1), 38(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.</i>				

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□ 첨부 2 : 기본모델 · 파생모델의 내용
Description of the basic and series model

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
XLG-150-H	Without Dimming PCB, Dimming wire and rear cover
XLG-150-H-A	Without Dimming PCB and Dimming wire
XLG-150-M	I_{rated} (1.4 A), U-OUT (DC 115 V), Without Dimming PCB, Dimming wire and rear cover
XLG-150-M-A	I_{rated} (1.4 A), U-OUT (DC 115 V), Without Dimming PCB and Dimming wire
XLG-150-M-AB	I_{rated} (1.4 A) and U-OUT (DC 115 V)
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-06-2 (2019.07.04.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 165 W, 2.0 A - Rated output current (I_{rated}) : 2.8 A - Rated output power (P_{rated}) : 150 W - Maximum output voltage(U-OUT) : DC 60 V - t_c : 90 °C, t_a : 55 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant current type, Independent, SELV controlgear - With Dimming PCB(B type), Dimming wire and Rear cover(Plastic cap) - This product is filled with potting compound - Metal enclosure used 본 제품의 검토내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토담당자 / 연락처 : 고객지원본부 인증융합평가센터 장 재용 / 02-860-1137 If you have any question on product review, please contact the person below : Job holder: Customer Support Division, Certification Convergence Evaluation Center, J.Y.Jang / +82 2 860 1137	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용
Contents of Certificate Revisions

1st Rev.) Change name, president and address of manufacturer (21-080534-10-1 : 2022.01.04.)

– Before : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch / Yin Xiao Ming
No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China

After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang
No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China

변경발급 내용
Contents of Certificate Revisions

2nd Rev.) Change of PCB layout and Addition of components (22-047914-02-1 : 2022.09.13.)
Based on CB report.Ref No. 4383752.50 and CB certificate Ref.No NL-79691
- PCB layout: Added alternative PCB layout for all models as new IC used.
The alternative PCB layout was similar as original PCB layout.
- Added alternative dimming PCB
- Added alternative fuse for all models.
- Additional component:

Component (Part no.)	Manufacturer(Brand)	Model
Input cord (indoor use only)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	K60245 IEC 57 H05RN-F
Input cord (indoor use only)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Input cord	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Fuse (FS1)	Conquer	MST
Fuse (FS1)	Walter	2010
Fuse (FS1)	Littelfuse	369
Varistor (ZNR2, ZNR3)	Huiwan	V-471K-10D(E)H, V-471K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-561K-10D(E)H, V-561K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-621K-10D(E)H, V-621K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S511K JVT14S511K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S621K JVT14S621K

변경발급 내용 Contents of Certificate Revisions		
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S681K JVT14S681K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S751K JVT14S751K
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20751
X Capacitors, (C1,C2)	NISSEI	MP1
Y capacitor,-(C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Guangdong Huiwan Electronics	AB
Y capacitor,-(C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Guangdong Huiwan Electronics	AR

변경발급 내용 Contents of Certificate Revisions		
Y capacitor,-(C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Wanming	HM
Y capacitor,-(C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Wanming	HJ
PCB	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A
PCB	RONG HUI	RH-3
PCB	CHANGZHOU AOHONG	AOH-2, AOH-8
PCB	CHANGZHOU HAIHONG	CCE-V0, HDCM1
Bobbin of T1, LF2, L1 and L2	Sumitomo Bakelite Co., Ltd.	PM-9750

변경발급 내용 Contents of Certificate Revisions		
Winding of LF1, LF2, L1, L2 and T1	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of LF1, LF2, L1, L2 and T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	TAI-H ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of LF1, LF2, L1, L2 and T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H) (MW 82-C)
Winding of LF1, LF2, L1, L2 and T1	TAI-H ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Triple insulation wire of T1,	Heyuan Koshen Insulator	TIW-B*(a) TIW-B-LITZ

변경발급 내용
Contents of Certificate Revisions

Teflon tube	CHANGYUAN ELECTRONICS GROUP CO LTD	CB-HFT, CB-HFT(XY), CYG-MT, CB-TT-L, CB-TT-S, CB-TT-T, CYG-ZHP
Insulation tape	3M COMPANY ELECTRICAL MARKET S DIV (EMD)	92
Photo coupler (U3, U4)	Renesas electronicscorporation	PS2561DL1-1

- Change Critical components rating information

Component (Part no.)	Manufacturer(Brand)	Model	Rating
X Capacitors, (C1,C2)	Kemet (Arcotronics)	R.46	275 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Kemet (Arcotronics)	R.49	310 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Iskra	KNR1530	AC 275 V,100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Iskra	KNB1560	Min. AC 275 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Liow Gu	GS-L	Min. AC 250 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Pilkor	PCX2 335	AC 275 V,100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Pilkor	PCX2 337	275 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Ultra Tech	HQX	Min. AC 250 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Shiny Space	SX1	300 V, 105 °C, Max.0.68 uF
X Capacitors, (C1,C2)	HUA JUNG	MKP	250 V, 110 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Carli Electronics	MPX	AC 275 V/310 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Joey	MPX	AC 275 V,100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Xiamen Faratronic	MKP62	Min. AC 275 V,100 °C, Max.0.68 uF

변경발급 내용 Contents of Certificate Revisions			
X Capacitors, (C1,C2)	Okaya	LE	AC 250 V,100 °C, Max.0.68 uF
Y capacitor,- (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Murata	KX,KH,KY	min.250V, min,105 °C,
Y capacitor,- (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Walsin	AH,AC,AS	min.250V, min,105 °C,

변경발급 내용 Contents of Certificate Revisions			
Y capacitor,- (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	TDK	CD,CS	min.250V, min,105 °C,
Y capacitor,- (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	Welson	WD	min.250V, min,105 °C,
Y capacitor,- (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	VISHAY	VY1	min.250V, min,105 °C,

변경발급 내용 Contents of Certificate Revisions			
Y capacitor,- (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23 : Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	VISHAY	WKP	min.250V, min,105 °C,
Y capacitor,- (C3,C4,C30,C23, C31,C32,C129, C130) C3, C4,C30,C23: Max.1000 pF, C31,C32: Max.2200 pF, C129, C130 Max.1000 pF (Optional)	VISHAY	440L	min.250V, min,105 °C,
PCB	Junda	JD-D,JD-E, JD-D1	V-1, 105 °C
PCB	GUANGDONG CHAOHUA	C-103, C-104,C-109	V-1, 105 °C
PCB	SUZHOU WUTONG ELECTRONICS CO LTD	GS-1 GS-2 GS-3 GS-4, GS-4S	Min. V-1, min. 105 °C
Triple insulation wire of T1,	Furukawa	TEX-E TEX-ELZ	130 °C

변경발급 내용
Contents of Certificate Revisions

- Delete Critical components information

Component (Part no.)	Manufacturer(Brand)	Model	Rating	Tested by
X Capacitors, X2 type (C2)	Kemet (Arcotronics)	R.46	275 V, 100 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	Kemet (Arcotronics)	R.49	310 V, 100 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	Iskra	KNR1530	AC 275 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Iskra	KNB1560	Min. AC 275 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Liow Gu	GS-L	Min. AC 250 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Pilkor	PCX2 335	275 V, 100 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	Pilkor	PCX2 337	275 V, 100 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	Ultra Tech	HQX	Min. AC 250 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Shiny Space	SX1	300 V, 105 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	HUA JUNG	MKP	250 V, 110 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	Carli Electronics	MPX	AC 275 V/310 V, 100 °C, 0.47 uF	VDE

변경발급 내용 Contents of Certificate Revisions				
X Capacitors, X2 type (C2)	Joey	MPX	AC 275 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Xiamen Faratronic	MKP62	Min. AC 275 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Okaya	LE	AC 250 V, 100 °C, 0.47 uF	ENEC
Y capacitor, Y1 type (C23)	Murata	KX	100 pF, AC 250 V/300 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AH	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AS	100 pF, AC 500 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	TDK	CD	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Welson	WD	100 pF, min AC 250 V, 105 °C	VDE

변경발급 내용 Contents of Certificate Revisions				
Y capacitor, Y1 type (C23)	VISHAY	VY1	100 pF, 250 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	WKP	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	440L	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	Walsin	AC	2200 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	Murata	KH, KY	2200 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	TDK	CS	2200 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	Welson	KL	2200 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	VISHAY	338 6	2200 pF, 250 V, 105 °C	ENEC
Y capacitor, Y2 type (C129,C130)	Walsin	AC	10 nF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Murata	KH, KY	10 nF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	TDK	CS	10 nF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Welson	KL	10 nF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	VISHAY	338 6	10 nF, 250 V, 105 °C	ENEC

FP511-06

접 수 번 호 : 21-080534-10-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-19007A
(Certificate No.)

제 조 업 자/수 입 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
(Manufacturer/importer)

주 소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890,
(Address) Guangdong, China

제 품 명 : 조명기구용컨버터(LED용)
(Product) (Electronic controlgear)

기 본 모 델 명 : XLG-150-H-AB
(Basic Model)

파 생 모 델 명 : See the attachment 2
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 165 W
(Rating) (Output: 2.8 A, Max. DC 60 V)

시 험 기 준 : KC61347-1(2015-09), KC61347-2-13(2015-09)
(Standard)

본 인증서는 제 조 국 명 : 중국
제 조 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
제조공장의 주소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890
Guangdong, China
의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항, 제4항, 제10조제2항 또는 제15조제2항에 따라
안전인증서를 발급합니다.

We Issue This Safety Certificate for the above appliances in accordance with the Article 9(2),9(4),10(2)
Jor 15(2) of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control
Act.

2022 년 01 월 04 일
Year month day

한국산업기술시험원
KOREA TESTING LABORATORY



* 이 인증서는 「전기용품 및 생활용품 안전관리법 시행규칙」에 따른 제품의 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는
제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류

1. 전기용품의 안전관리부품 및 재질목록(List of Critical Components)
2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)
3. 안전인증의 변경 현황 (Revisions Status)

□ 첨부 1 : 전기용품의 안전관리부품 및 재질목록
List of Critical Components

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Input cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F 3G0.75mm ² -1.0mm ²	AC 300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 3G1.0 mm ² -4mm ²	AC 450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x 1.0 mm ²	AC 300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H07RN-F) 3x 1.0 mm ²	AC 450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 66 (H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co., Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² -2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co., Ltd	60245 IEC 66 (H07RN-F) 3x1.0,1.5,1.5,4 mm ²	AC450/750/ V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)x(1.0-2.5) mm ²	AC450/750/ V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5)x(0.75/1)mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5)x(1/1.5/2.5)mm ²	AC450/750 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2-3x0.75-1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC66 (07RN-F) 2-5x1.0-2.5mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T 4 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T 4 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T 4 A, 250 V or AC 300 V	VDE
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 ℃	VDE
X-Capacitors (C1)	Kemet (Arcotronics)	R.46	AC 275 V, 0.22 uF, 100 ℃	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	AC 315 V, 0.22 uF, 100 ℃	ENEC
(Alternative)	Iskra	KNR1530	AC 275 V, 0.22 uF, 100 ℃	VDE

부품명(최로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 0.22 uF, 100 °C	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 0.22 uF, 100 °C	VDE
(Alternative)	Pilkor	PCX2 335	AC 275 V, 0.22 uF, 100 °C	ENEC
(Alternative)	Pilkor	PCX2 337	AC 275 V, 0.22 uF, 100 °C	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 0.22 uF, 100 °C	VDE
(Alternative)	Shiny Space	SX1	AC 300 V, 0.22 uF, 105 °C	ENEC
(Alternative)	HUA JUNG	MKP	AC 250 V, 0.22 uF, 110 °C	ENEC
(Alternative)	Carli Electronics	MPX	AC 275/310 V, 0.22 uF, 100 °C	VDE
(Alternative)	Joey	MPX	AC 275 V, 0.22 uF, 100 °C	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.22 uF, 100 °C	VDE
(Alternative)	Okaya	LE	AC 250 V, 0.22 uF, 100 °C	ENEC
X-Capacitors (C2)	Kemet (Arcotronics)	R.46	AC 275 V, 0.47 uF, 100 °C	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	AC 315 V, 0.47 uF, 100 °C	ENEC
(Alternative)	Iskra	KNR1530	AC 275 V, 0.47 uF, 100 °C	VDE
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 0.47 uF, 100 °C	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 0.47 uF, 100 °C	VDE
(Alternative)	Pilkor	PCX2 335	AC 275 V, 0.47 uF, 100 °C	ENEC
(Alternative)	Pilkor	PCX2 337	AC 275 V, 0.47 uF, 100 °C	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 0.47 uF, 100 °C	VDE
(Alternative)	Shiny Space	SX1	AC 300 V, 0.47 uF, 105 °C	ENEC
(Alternative)	HUA JUNG	MKP	AC 250 V, 0.47 uF, 110 °C	ENEC
(Alternative)	Carli Electronics	MPX	AC 275/310 V, 0.47 uF, 100 °C	VDE
(Alternative)	Joey	MPX	AC 275 V, 0.47 uF, 100 °C	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.47 uF, 100 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Okaya	LE	AC 250 V, 0.47 uF, 100 °C	ENEC
Y-capacitor (C3, C4, C30)	Murata	KX	AC 250/300 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Guangdong Huiwan Electronics	AR	AC 500 V, 1 000 pF, 125 °C, Y1	VDE
(Alternative)	Walsin	AH	AC 250/400 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AS	AC 500 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	TDK	CD	AC 250/400 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 1 000 pF, 105 °C, Y1	VDE
Y-capacitor (C23)	Murata	KX	AC 250/300 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AH	AC 250/400 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AS	AC 500 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	TDK	CD	AC 250/400 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 100 pF, 105 °C, Y1	VDE
Y-capacitor (C31, C32)	Walsin	AC	AC 250 V, 2 200 pF, 105 °C, Y2	VDE
(Alternative)	Murata	KH, KY	AC 250 V, 2 200 pF, 105 °C, Y2	VDE
(Alternative)	TDK	CS	AC 250 V, 2 200 pF, 105 °C, Y2	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Welson	KL	AC 250 V, 2 200 pF, 105 ℃, Y2	VDE
(Alternative)	VISHAY	338 6	AC 250 V, 2 200 pF, 105 ℃, Y2	ENEC
Y-capacitor (C129, C130)	Walsin	AC	AC 250 V, 10 nF, 105 ℃, Y2	VDE
(Alternative)	Murata	KH, KY	AC 250 V, 10 nF, 105 ℃, Y2	VDE
(Alternative)	TDK	CS	AC 250 V, 10 nF, 105 ℃, Y2	VDE
(Alternative)	Welson	KL	AC 250 V, 10 nF, 105 ℃, Y2	VDE
(Alternative)	VISHAY	338 6	AC 250 V, 10 nF, 105 ℃, Y2	ENEC
PCB	Junda	JD-D, JD-E	V-1, 105 ℃	UL
(Alternative)	GUANGZHOU TAIHE	THS, THD	V-1, 105 ℃	UL
(Alternative)	HONG SHIEN	03V-0, -D, -M	V-1, 105 ℃	UL
(Alternative)	HSU TZU	4V0, DV2, MV1	V-1, 105 ℃	UL
(Alternative)	JIIN-YU	JY-001, JY-003	V-1, 105 ℃	UL
(Alternative)	Brite Plus	DGV0-3A	V-1, 105 ℃	UL
(Alternative)	YANG MIN TECHNOLOGY LTD	76V0A	V-1, 105 ℃	UL
(Alternative)	KUNSHAN WANYUANTONG ELECTRONIC TECHNOLOGY CO LTD	SWZ-1	V-1, 105 ℃	UL
(Alternative)	GUANGDONG CHAOHUA	C-103, C-104	V-1, 105 ℃	UL
(Alternative)	GUANGZHOU TAIHUA MULTILAYER CIRCUIT BOARD CO LTD	ST-01	Min. V-1, min. 105 ℃	UL
(Alternative)	SUZHOU WUTONG ELECTRONICS CO LTD	GS-2	Min. V-1, min. 105 ℃	UL
(Alternative)	JIANGSU DIFEIDA ELECTRONICS CO LTD	DFD-2	Min. V-1, min. 105 ℃	UL
(Alternative)	HONG SHIEN	-D	Min. V-1, min. 105 ℃	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	KUNSHAN GUANGQIAN ELECTRONICS CO LTD	D, D1	Min. V-1, min. 105 ℃	UL
Line Filter Choke (LF1)	MEAN WELL	TR-6164	130 ℃	Tested with appliance
Line Filter Choke (LF2)	MEAN WELL	LF-6039	130 ℃	Tested with appliance
Line Filter Choke (L1)	MEAN WELL	TR-623A	130 ℃	Tested with appliance
Line Filter Choke (L2)	MEAN WELL	TF-6956	130 ℃	Tested with appliance
-Winding of LF1, LF2 and L1, L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U(MW 75- C), UEWN/U(MW 28-C), UEWS/U(MW75 -C)	130 ℃	Tested with appliance UL
Transformer (T1) for XLG-150-H, XLG-150-H-A	MEAN WELL Enterp rises Co., Ltd.	TF-6959	Class B	Tested with appliance
Transformer (T1) for XLG-150-M, XLG-150-M-A	MEAN WELL Enterp rises Co., Ltd.	TF-6960	Class B	Tested with appliance
Transformer (T1) for XLG-150-H- AB	MEAN WELL Enterp rises Co., Ltd.	TF-6987	Class B	Tested with appliance
Transformer (T1) for XLG-150-M- AB	MEAN WELL Enterp rises Co., Ltd.	TF-6988	Class B	Tested with appliance
-Bobbin of T1, LF2, L1 and L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 ℃	Tested with appliance UL
-(Alternative)	E I Dupont DE Ne mours & Co., Inc.	FR530	V-0, PET, 155 ℃	UL
-(Alternative)	NAN YA	1403G3, 1403G 6	V-0, 130 ℃	UL
-(Alternative)	CHANG CHUN PLA STICS CO LTD	T375J, T375HF	V-0, 150 ℃	UL
-(Alternative)	SUMITOMO CHEMI CAL CO LTD	E4008	130 ℃	UL
-(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9823	V-0, 150 ℃	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
-(Alternative)	CHANG CHUN PLASTICS CO LTD	T200HF	V-0, 150 ℃	UL
-(Alternative)	CHANG CHUN PLASTICS CO LTD	T220NA	V-0, 150 ℃	UL
-Triple insulation wire of T1	Furukawa	TEX-E	130 ℃	Tested with appliance UL
-(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2SX	130 ℃	UL
-(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 ℃	UL
-Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW 75-C)	130 ℃	Tested with appliance UL
-Teflon tube	Great Holding Industrial Co., Ltd.	TFL, TFT, T FS	200 ℃	Tested with appliance UL
-(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 ℃	UL
-Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 ℃	Tested with appliance UL
-(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 ℃	UL
-(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1 1351-2(c)	130 ℃	UL
-(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	130 ℃	UL
-(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 ℃	UL
-(Alternative)	E I DUPONT DE NEMOURS & CO INC	Nomex®410, 411, 414, 418	220 ℃	UL
-(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 371F(a)	130 ℃	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Photo coupler (U3, U4), (U602 only for XLG-150-H-AB and XLG-150- M-AB)	Sharp	PC3L57	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.3 mm, min. 110 ℃	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 ℃	VDE
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 ℃	VDE
(Alternative)	Lite-On	LTV-817, LTV-817M, LTV-817S	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr= 8.0 mm, 110 ℃	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 mm, 115 ℃	VDE
(Alternative)	Toshiba Corporation	TLP781F	Dti = 0.6 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, 115 ℃	VDE
(Alternative)	Everlight	EL817M	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 ℃	VDE
(Alternative)	VISHAY	TCLT1008	Dti ≥ 0.4 mm, Int.dcr.= 5.2 mm, Ext. dcr.≥ 8.0 mm, min. 110 ℃	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299, 5297	V-0, 150 ℃	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 ℃	UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B	V-0, 150 ℃	UL
(Alternative)	DOW CORNING CORP	SYLGARD 160	V-0, 150 ℃	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	DOW CORNING CORP	TC-6011	V-0, 150 °C	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 °C	UL
(Alternative)	Riseast	SSTCP	V-0, 150 °C	UL
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 °C	UL
Insulation sheet between transformer core and primary circuit	Itw Electronics Components/ Products (Shanghai) Co., Ltd.	Formex N3-(b)(d)(e)(k)	Min. V-1, min. 130 °C, min. 0,2 mm thick, triple insulation	UL

☐ 유의사항 (Attention) :

1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등재를 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다.

As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.

2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 21 조제 1 항 또는 제 38 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다.

The Safety Certification will be cancelled under the Article 21(1), 38(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.

□ 첨부 2 : 기본모델 · 파생모델의 내용
Description of the basic and series model

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
XLG-150-H	Without Dimming PCB, Dimming wire and rear cover
XLG-150-H-A	Without Dimming PCB and Dimming wire
XLG-150-M	I_{rated} (1.4 A), U-OUT (DC 115 V), Without Dimming PCB, Dimming wire and rear cover
XLG-150-M-A	I_{rated} (1.4 A), U-OUT (DC 115 V), Without Dimming PCB and Dimming wire
XLG-150-M-AB	I_{rated} (1.4 A) and U-OUT (DC 115 V)
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-06-2 (2019.07.04.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 165 W, 2.0 A - Rated output current (I_{rated}) : 2.8 A - Rated output power (P_{rated}) : 150 W - Maximum output voltage(U-OUT) : DC 60 V - t_c : 90 °C, t_a : 55 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant current type, Independent, SELV controlgear - With Dimming PCB(B type), Dimming wire and Rear cover(Plastic cap) - This product is filled with potting compound - Metal enclosure used □ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가팀 신 종욱 / 02-8601-1437 □ If you have any question on product review, please contact the person below : Job holder: Customer Support Division, Certification Convergence Evaluation Team, J.U.Shin / +82 2 860-1437	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
1 st Rev.) Change name, president and address of manufacturer (21-080534-10-1 : 2022.01.04.) - Before : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch / Yin Xiao Ming No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China

FP511-06

접 수 번 호 : 19-032492-06-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-19007
(Certificate No.)

제 조 업 자/수 입 업 자 명 : MEAN WELL (GUANGZHOU) Electronics Co., Ltd. Huadu Branch
(Manufacturer/importer)

주 소 : No.11, Jingu South Road, Huadong Town, Huadu District, Guangzhou, P. R. China
(Address)

제 품 명 : 조명기구용컨버터(LED용)
(Product) (Electronic controlgear)

기 본 모 델 명 : XLG-150-H-AB
(Basic Model)

파 생 모 델 명 : See the attachment 2
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 165 W
(Rating) (Output: 2.8 A, Max. DC 60 V)

시 험 기 준 : KC61347-1(2015-09), KC61347-2-13(2015-09)
(Standard)

본 인증서는 제 조 국 명 : 중국
제 조 업 자 명 : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch
제조공장의 주소 : No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China
의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항, 제4항, 제10조제2항 또는 제15조제2항에 따라 안전인증서를 발급합니다.

We Issue This Safety Certificate for the above appliances in accordance with the Article 9(2), 9(4), 10(2) or 15(2) of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control Act.

2019 년 07 월 05 일
Year month day

한국산업기술시험원
KOREA TESTING LABORATORY



※ 이 인증서는 「전기용품 및 생활용품 안전관리법 시행규칙」에 따른 제품의 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류	1. 전기용품의 안전관리부품 및 재질목록(List of Critical Components)
	2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)
	3. 안전인증의 변경 현황 (Revisions Status)

□ 첨부 1 : 전기용품의 안전관리부품 및 재질목록
List of Critical Components

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Input cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F 3G0.75mm ² -1.0mm ²	AC 300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 3G1.0 mm ² -4mm ²	AC 450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x 1.0 mm ²	AC 300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H07RN-F) 3x 1.0 mm ²	AC 450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 66(H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co., Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² -2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co., Ltd	60245 IEC 66 (H07RN-F) 3x1.0, 1.5, 1.5, 4 mm ²	AC450/750/ V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)x(1.0-2.5) mm ²	AC450/750/ V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5)x(0.75/1) mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5)x(1/1.5/2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2-3x0.75-1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC66 (07RN-F) 2-5x1.0-2.5mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T 4 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T 4 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T 4 A, 250 V or AC 300 V	VDE
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
X-Capacitors (C1)	Kemet (Arcotronics)	R.46	AC 275 V, 0.22 uF, 100 °C	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	AC 315 V, 0.22 uF, 100 °C	ENEC
(Alternative)	Iskra	KNR1530	AC 275 V, 0.22 uF, 100 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 0.22 uF, 100 °C	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 0.22 uF, 100 °C	VDE
(Alternative)	Pilkor	PCX2 335	AC 275 V, 0.22 uF, 100 °C	ENEC
(Alternative)	Pilkor	PCX2 337	AC 275 V, 0.22 uF, 100 °C	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 0.22 uF, 100 °C	VDE
(Alternative)	Shiny Space	SX1	AC 300 V, 0.22 uF, 105 °C	ENEC
(Alternative)	HUA JUNG	MKP	AC 250 V, 0.22 uF, 110 °C	ENEC
(Alternative)	Carli Electronics	MPX	AC 275/310 V, 0.22 uF, 100 °C	VDE
(Alternative)	Joey	MPX	AC 275 V, 0.22 uF, 100 °C	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.22 uF, 100 °C	VDE
(Alternative)	Okaya	LE	AC 250 V, 0.22 uF, 100 °C	ENEC
X-Capacitors (C2)	Kemet (Arcotronics)	R.46	AC 275 V, 0.47 uF, 100 °C	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	AC 315 V, 0.47 uF, 100 °C	ENEC
(Alternative)	Iskra	KNR1530	AC 275 V, 0.47 uF, 100 °C	VDE
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 0.47 uF, 100 °C	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 0.47 uF, 100 °C	VDE
(Alternative)	Pilkor	PCX2 335	AC 275 V, 0.47 uF, 100 °C	ENEC
(Alternative)	Pilkor	PCX2 337	AC 275 V, 0.47 uF, 100 °C	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 0.47 uF, 100 °C	VDE
(Alternative)	Shiny Space	SX1	AC 300 V, 0.47 uF, 105 °C	ENEC
(Alternative)	HUA JUNG	MKP	AC 250 V, 0.47 uF, 110 °C	ENEC
(Alternative)	Carli Electronics	MPX	AC 275/310 V, 0.47 uF, 100 °C	VDE
(Alternative)	Joey	MPX	AC 275 V, 0.47 uF, 100 °C	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.47 uF, 100 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Okaya	LE	AC 250 V, 0.47 uF, 100 °C	ENEC
Y-capacitor (C3, C4, C30)	Murata	KX	AC 250/300 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Guangdong Huiwan Electronics	AR	AC 500 V, 1 000 pF, 125 °C, Y1	VDE
(Alternative)	Walsin	AH	AC 250/400 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AS	AC 500 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	TDK	CD	AC 250/400 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 1 000 pF, 105 °C, Y1	VDE
Y-capacitor (C23)	Murata	KX	AC 250/300 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AH	AC 250/400 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AS	AC 500 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	TDK	CD	AC 250/400 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 100 pF, 105 °C, Y1	VDE
Y-capacitor (C31, C32)	Walsin	AC	AC 250 V, 2 200 pF, 105 °C, Y2	VDE
(Alternative)	Murata	KH, KY	AC 250 V, 2 200 pF, 105 °C, Y2	VDE
(Alternative)	TDK	CS	AC 250 V, 2 200 pF, 105 °C, Y2	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Welson	KL	AC 250 V, 2 200 pF, 105 °C, Y2	VDE
(Alternative)	VISHAY	338 6	AC 250 V, 2 200 pF, 105 °C, Y2	ENEC
Y-capacitor (C129, C130)	Walsin	AC	AC 250 V, 10 nF, 105 °C, Y2	VDE
(Alternative)	Murata	KH, KY	AC 250 V, 10 nF, 105 °C, Y2	VDE
(Alternative)	TDK	CS	AC 250 V, 10 nF, 105 °C, Y2	VDE
(Alternative)	Welson	KL	AC 250 V, 10 nF, 105 °C, Y2	VDE
(Alternative)	VISHAY	338 6	AC 250 V, 10 nF, 105 °C, Y2	ENEC
PCB	Junda	JD-D,JD-E	V-1, 105 °C	UL
(Alternative)	GUANGZHOU TAIHE	THS, THD	V-1, 105 °C	UL
(Alternative)	HONG SHIEN	03V-0, -D, -M	V-1, 105 °C	UL
(Alternative)	HSU TZU	4V0, DV2, MV1	V-1, 105 °C	UL
(Alternative)	JIIN-YU	JY-001, JY-003	V-1, 105 °C	UL
(Alternative)	Brite Plus	DGV0-3A	V-1, 105 °C	UL
(Alternative)	YANG MIN TECHNOLOGY LTD	76V0A	V-1, 105 °C	UL
(Alternative)	KUNSHAN WANYUANTONG ELECTRONIC TECHNOLOGY CO LTD	SWZ-1	V-1, 105 °C	UL
(Alternative)	GUANGDONG CHAOHUA	C-103, C-104	V-1, 105 °C	UL
(Alternative)	GUANGZHOU TAIHUA MULTILAYER CIRCUIT BOARD CO LTD	ST-01	Min. V-1, min. 105 °C	UL
(Alternative)	SUZHOU WUTONG ELECTRONICS CO LTD	GS-2	Min. V-1, min. 105 °C	UL
(Alternative)	JIANGSU DIFEIDA ELECTRONICS CO LTD	DFD-2	Min. V-1, min. 105 °C	UL
(Alternative)	HONG SHIEN	-D	Min. V-1, min. 105 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	KUNSHAN GUANGQIAN ELECTRONICS CO LTD	D, D1	Min. V-1, min. 105 °C	UL
Line Filter Choke (LF1)	MEAN WELL	TR-6164	130 °C	Tested with appliance
Line Filter Choke (LF2)	MEAN WELL	LF-6039	130 °C	Tested with appliance
Line Filter Choke (L1)	MEAN WELL	TR-623A	130 °C	Tested with appliance
Line Filter Choke (L2)	MEAN WELL	TF-6956	130 °C	Tested with appliance
-Winding of LF1, LF2 and L1, L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U(MW 75- C), UEWN/U(MW 28-C), UEWS/U(MW75 -C)	130 °C	Tested with appliance UL
Transformer (T1) for XLG-150-H, XLG-150-H-A	MEAN WELL Enterp rises Co., Ltd.	TF-6959	Class B	Tested with appliance
Transformer (T1) for XLG-150-M, XLG-150-M-A	MEAN WELL Enterp rises Co., Ltd.	TF-6960	Class B	Tested with appliance
Transformer (T1) for XLG-150-H- AB	MEAN WELL Enterp rises Co., Ltd.	TF-6987	Class B	Tested with appliance
Transformer (T1) for XLG-150-M- AB	MEAN WELL Enterp rises Co., Ltd.	TF-6988	Class B	Tested with appliance
-Bobbin of T1, LF2, L1 and L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with appliance UL
-(Alternative)	E I Dupont DE Ne mours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
-(Alternative)	NAN YA	1403G3, 1403G 6	V-0, 130 °C	UL
-(Alternative)	CHANG CHUN PLA STICS CO LTD	T375J, T375HF	V-0, 150 °C	UL
-(Alternative)	SUMITOMO CHEMI CAL CO LTD	E4008	130 °C	UL
-(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9823	V-0, 150 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
-(Alternative)	CHANG CHUN PLASTICS CO LTD	T200HF	V-0, 150 °C	UL
-(Alternative)	CHANG CHUN PLASTICS CO LTD	T220NA	V-0, 150 °C	UL
-Triple insulation wire of T1	Furukawa	TEX-E	130 °C	Tested with appliance UL
-(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2SX	130 °C	UL
-(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 °C	UL
-Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW 75-C)	130 °C	Tested with appliance UL
-Teflon tube	Great Holding Industrial Co., Ltd.	TFL, TFT, T FS	200 °C	Tested with appliance UL
-(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 °C	UL
-Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 °C	Tested with appliance UL
-(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 °C	UL
-(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1 1351-2(c)	130 °C	UL
-(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	130 °C	UL
-(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 °C	UL
-(Alternative)	E I DUPONT DE NEMOURS & CO INC	Nomex®410,411 , 414, 418	220 °C	UL
-(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 371F(a)	130 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Photo coupler (U3, U4), (U602 only for XLG-150-H-AB and XLG-150- M-AB)	Sharp	PC3L57	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.3 mm, min. 110 °C	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817, LTV-817M, LTV-817S	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr= 8.0 mm, 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 mm, 115 °C	VDE
(Alternative)	Toshiba Corporation	TLP781F	Dti = 0.6 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, 115 °C	VDE
(Alternative)	Everlight	EL817M	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti ≥ 0.4 mm, Int.dcr.= 5.2 mm, Ext. dcr.≥ 8.0 mm, min. 110 °C	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299, 5297	V-0, 150 °C	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	SYLGARD 160	V-0, 150 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	DOW CORNING CORP	TC-6011	V-0, 150 °C	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 °C	UL
(Alternative)	Riseast	SSTCP	V-0, 150 °C	UL
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 °C	UL
Insulation sheet between transformer core and primary circuit	Itw Electronics Components/ Products (Shanghai) Co., Ltd.	Formex N3-(b)(d)(e)(k)	Min. V-1, min. 130 °C, min. 0,2 mm thick, triple insulation	UL

☐ 유의사항 (Attention) :

1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등재를 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다.

As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.

2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 21 조제 1 항 또는 제 38 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다.

The Safety Certification will be cancelled under the Article 21(1), 38(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.

□ 첨부 2 : 기본모델 · 파생모델의 내용
Description of the basic and series model

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
XLG-150-H	Without Dimming PCB, Dimming wire and rear cover
XLG-150-H-A	Without Dimming PCB and Dimming wire
XLG-150-M	I_{rated} (1.4 A), U-OUT (DC 115 V), Without Dimming PCB, Dimming wire and rear cover
XLG-150-M-A	I_{rated} (1.4 A), U-OUT (DC 115 V), Without Dimming PCB and Dimming wire
XLG-150-M-AB	I_{rated} (1.4 A) and U-OUT (DC 115 V)
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-06-2 (2019.07.04.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 165 W, 2.0 A - Rated output current (I_{rated}) : 2.8 A - Rated output power (P_{rated}) : 150 W - Maximum output voltage(U-OUT) : DC 60 V - t_c : 90 °C, t_a : 55 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant current type, Independent, SELV controlgear - With Dimming PCB(B type), Dimming wire and Rear cover(Plastic cap) - This product is filled with potting compound - Metal enclosure used □ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 : BK 전략본부 인증관리센터 이 용노 / (02)860-1423 □ If you have any question on product review, please contact the person below : Job holder: BK Strategy Division Certification Management Center, Y.R.LEE/+82 2 8601-423	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
Not applicable

FP511-06

접 수 번 호 : 23-043447-08-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-19009C
(Certificate No.)

제 조 업 자/수 입 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
(Manufacturer/importer)

주 소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890,
(Address) Guangdong, China

제 품 명 : 조명기구용컨버터(LED용)
(Product) (Electronic controlgear)

기 본 모 델 명 : XLG-150-L-AB
(Basic Model)

파 생 모 델 명 : XLG-150-L, XLG-150-L-A
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 165 W
(Rating) (Output: 0.7 A, Max. DC 225 V)

시 험 기 준 : KC61347-1(2022-02), KC61347-2-13(2022-02)
(Standard)

본 인증서는 제 조 국 명 : 중국
제 조 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
제조공장의 주소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890
, Guangdong, China
의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항, 제4항, 제10조제2항 또는 제15조제2항에 따라
안전인증서를 발급합니다.

We Issue This Safety Certificate for the above appliances in accordance with the Article 9(2),9(4),10(2)
or 15(2) of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control
Act.

2023 년 08 월 22 일
Year month day

한국산업기술시험원
KOREA TESTING LABORATORY



※ 이 인증서는 「전기용품 및 생활용품 안전관리법 시행규칙」에 따른 제품의 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는
제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류

1. 전기용품의 안전관리부품 및 재질목록(List of Critical Components)
2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)
3. 안전인증의 변경 현황 (Revisions Status)

□ 첨부 1 : 전기용품의 안전관리부품 및 재질목록
List of Critical Components

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Input cord (indoor use only)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
Input cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F	AC 450 / 750 V, 3G x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H05 RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H07 RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun E lectric Wire & Cable Co., Ltd.	60245 IEC 57 (H05 RN-F), 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05 RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC66 (H07RN-F) 3x1.0 m m ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Developm ent Co.,Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² - 2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Developm ent Co.,Ltd	60245 IEC66 (H07R N-F), 3X1.0, 1.5, 2. 5, 4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3×0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)×(1.0-2.5) m m ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5)× (1/1.5/2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5)× (0.75/1) mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co.,Ltd.	60245 IEC 57 (H05RN-F) 2-3 x 0.75-1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co.,Ltd.	60245 IEC 66 (H07RN-F) 2-5x1.0 -2.5 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T4 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T4 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T4 A, 250 V or AC 300 V	VDE
(Alternative)	Conquer	MST	T6.3 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T6.3 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T6.3 A, 250 V or AC 300 V	VDE
Varistor (ZNR3, ZNR4)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Huiwan	V-471K-10D(E)H, V-471K-14D(E)H	AC 300 V, DC 470 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-561K-10D(E)H, V-561K-14D(E)H	AC 350 V, DC 450 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-621K-10D(E)H, V-621K-14D(E)H	AC 395 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H	AC 420 V, DC 560 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S511K JVT14S511K	AC 320 V, DC 510 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S621K JVT14S621K	AC 395 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S681K JVT14S681K	AC 420 V, DC 560 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S751K JVT14S751K	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751	AC 465 V, DC 750 V, min. 105 °C	VDE
X Capacitors, (C1,C2)	Kemet (Arcotronics)	R.46	275 V, 100 °C, Max. 0.68 uF	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Kemet (Arcotronics)	R.49	310 V, 100 °C, Max. 0.68 uF	ENEC
(Alternative)	NISSEI	MP1	300V, 100 °C Max. 0.68 uF	VDE
(Alternative)	Iskra	KNR1530	AC 275 V, 100 °C, Max. 0.68 uF	VDE
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 100 °C, Max. 0.68 uF	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 100 °C, Max. 0.68 uF	VDE
(Alternative)	Pilkor	PCX2 335	275 V, 100 °C, Max. 0.68 uF	ENEC
(Alternative)	Pilkor	PCX2 337	275 V, 100 °C, Max. 0.68 uF	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 100 °C, Max. 0.68 uF	VDE
(Alternative)	Shiny Space	SX1	300 V, 105 °C, Max. 0.68 uF	ENEC
(Alternative)	HUA JUNG	MKP	250 V, 110 °C, Max. 0.68 uF	ENEC
(Alternative)	Carli Electronics	MPX	AC 275 V/310 V, 100 °C, Max. 0.68 uF	VDE
(Alternative)	Joey	MPX	AC 275 V, 100 °C, Max. 0.68 uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 100 °C, Max. 0.68 uF	VDE
(Alternative)	Okaya	LE	AC 250 V, 100 °C, Max. 0.68 uF	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Y1 or Y2 capacit or (C3, C4, C30, C31, C32, C129, C130) C3, C4: Max.1000 pF, C30, C31, C32 : Max.2200 pF, C129, C130: Max. Max.10000pF (Optional)	Murata	KX,KH,KY	Min. 250V Min. 105 °C	VDE
(Alternative)	Guangdong Huiwan Electronics	AR	Min. 500V Min. 125 °C	VDE
(Alternative)	Walsin	AH,AC,AS	Min. 250V Min. 105 °C	VDE
(Alternative)	TDK	CD,CS	Min. 250V Min. 105 °C	VDE
(Alternative)	Welson	WD	Min. 250V Min. 105 °C	VDE
(Alternative)	VISHAY	VY1,WKP	Min. 250V Min. 105 °C	VDE
(Alternative)	VISHAY	440L	Min. 250V Min. 105 °C	VDE
(Alternative)	Guangdong Huiwan Electronics	AB	Min. 300V Min. 125 °C	VDE
(Alternative)	Wanming	HM	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Wanming	HJ	Min. 250 V, Min. 105 °C	VDE
PCB	Junda	JD-D,JD-E, JD-D1	V-1, 105 °C	Tested with appliance UL
(Alternative)	Tai He PCB Compa ny Limited	THS THD1	Min. V-1, min. 130 °C	UL
(Alternative)	KIN YIP TECHNOLO GY ELECTRONICS (HUIZHOU) CO LTD	DS-206T ML-401	Min. V-0, min. 130 °C	UL
(Alternative)	HONG SHIEN	03V-0, -D, -M	V-1, 105 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	HSU TZU	4V0, DV2, MV1	V-1, 105 °C	UL
(Alternative)	JIIN-YU	JY-001, JY-003	V-1, 105 °C	UL
(Alternative)	Brite Plus	DGV0-3A	V-1, 105 °C	UL
(Alternative)	YANG MIN TECHNOLOGY LTD	76V0A	V-1, 105 °C	UL
(Alternative)	KUNSHAN WANYUANTONG ELECTRONIC TECHNOLOGY CO LTD	SWZ-1	V-1, 105 °C	UL
(Alternative)	GUANGDONG CHAOHUA	C-103, C-104, C-109	V-1, 105 °C	UL
(Alternative)	GUANGZHOU TAIHUA MULTILAYER CIRCUIT BOARD CO LTD	ST-01	Min. V-1, min. 105 °C	UL
(Alternative)	SUZHOU WUTONG ELECTRONICS CO LTD	GS-2, GS-1, GS-3 GS-4, GS-4S	Min. V-1, min. 105 °C	UL
(Alternative)	JIANGSU DIFEIDA ELECTRONICS CO LTD	DFD-2	Min. V-1, min. 105 °C	UL
(Alternative)	HONG SHIEN	-D	Min. V-1, min. 105 °C	UL
(Alternative)	KUNSHAN GUANGQIAN ELECTRONICS CO LTD	D, D1	Min. V-1, min. 105 °C	UL
(Alternative)	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A	V-1, 130 °C	UL
(Alternative)	RONG HUI	RH-3	V-1, 130 °C	UL
(Alternative)	CHANGZHOU AOHO NG	AOH-2, AOH-8	V-1, 130 °C	UL
(Alternative)	CHANGZHOU HAIHONG	CCE-V0, HDCEM1	V-1, 130 °C	UL
Line Filter Choke (LF1)	MEAN WELL	TR-6164	130 °C	Tested with apliance
Line Filter Choke (LF2)	MEAN WELL	LF-6039	130 °C	Tested with apliance
Line Filter Choke (L1)	MEAN WELL	TR-623A	130 °C	Tested with apliance

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Line Filter Choke (L2)	MEAN WELL	TF-6956	130 °C	Tested with apliance
Transformer (T1) For XLG-150-L, XLG-150-L-A	MEAN WELL Enterprises Co., Ltd.	TF-6961	Class B	Tested with apliance
Transformer (T1) For XLG-150-L-A B	MEAN WELL Enterprises Co., Ltd.	TF-6989	Class B	Tested with apliance
Bobbin of T1, LF2, L1 and L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with apliance UL
(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9750 PM-9823	155°C	UL
(Alternative)	E I Dupont DE Nemours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
(Alternative)	NAN YA	1403G3, 1403G6	V-0, 130 °C	UL
(Alternative)	CHANG CHUN PLASTICS CO LTD	T375J,T375HF	V-0, 150 °C	UL
(Alternative)	SUMITOMO CHEMICAL CO LTD	E4008	130 °C	UL
(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9823	V-0, 150 °C	UL
(Alternative)	CHANG CHUN PLASTICS CO LTD	T200HF	V-0, 150 °C	UL
(Alternative)	CHANG CHUN PLASTICS CO LTD	T220NA	V-0, 150 °C	UL
Winding of LF1, LF2 and L1, L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U(MW 75-C), UEWN/U(MW 28-C), UEWS/U(MW75-C)	130 °C	Tested with apliance UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)	130 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 75-C), U EW-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWN Y/Q(A/X)-B,F)(MW 28-C)	130 °C	UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)	155 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWN Y/Q(A/X)-B,F)(MW 80-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/Q A-H) (MW 82-C)	180 °C	UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	155 °C	UL
(Alternative)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	155 °C	UL
Triple insulation wire of T1,	Furukawa	TEX-E	130 °C	Tested with appliance UL
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2SX	130 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 °C	UL
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SH ENZHEN) CO LTD.	UEW/U@(MW75-C)	130 °C	Tested with appliance UL
Teflon tube	Great Holding Indus trial Co., Ltd.	TFL,TFT,TFS	200 °C	Tested with appliance UL
(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 °C	UL
(Alternative)	CHANGYUAN ELECT RONICS GROUP CO LTD	CB-HFT, CB-HFT(XY), CYG-MT, CB-TT-L, CB-TT-S, CB-TT-T, CYG-ZHP	200 °C	UL
Insulation tape	3M COMPANY ELEC TRICAL MARKETS D IV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 °C	Tested with a ppliance UL
(Alternative)	3M COMPANY ELEC TRICAL MARKETS D IV (EMD)	92	180 °C	UL
(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 °C	UL
(Alternative)	3M COMPANY ELEC TRICAL MARKETS D IV(EMD)	1350F-1(b), 1350T- 1(b), 1350T-3(b), 1318-1 1351-2(c)	130 °C	UL
(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	130 °C	UL
(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 °C	UL
(Alternative)	E I DUPONT DE NE MOURS & CO INC	Nomex®410,411, 41 4, 418	220 °C	UL
(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 3 71F(a)	130 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Photo coupler (U3, U4) (U602 only for AB type)	Sharp	PC3L57	Dti= 0.4 mm, Int. dcr.= 6.0 m m, Ext. dcr.≥ 8.3 mm, min. 110 °C	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 m m, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 m m, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817, LTV-817M, LTV-817S	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr= 8.0 mm, 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 m m, 115 °C	VDE
(Alternative)	Renesas electronics corporation	PS2561DL1-1	Dti= 0.4 mm, Int. cr= 5.0 mm, Ext. cr ≥ 8.0 m m, 110 °C	VDE
(Alternative)	Toshiba Corporation	TLP781F	Dti = 0.6 mm, Int. dcr.= 6.0 m m, Ext. dcr.≥ 8.0 mm, 115 °C	VDE
(Alternative)	Everlight	EL817M	Dti = 0.4 mm, Int. dcr.= 6.0 m m, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	VISHAY	TCLT1008	Dti ≥ 0.4 mm, Int.dcr.= 5.2 m m, Ext. dcr. ≥ 8.0 mm, min. 110 °C	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299, 5297	V-0, 150 °C	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone T aiwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
(Alternative)	Shin-Etsu Silicone T aiwan Co., Ltd.	KET-132 A/B	V-0, 150 °C	UL
(Alternative)	DOW CORNING CO RP	SYLGARD 160	V-0, 150 °C	UL
(Alternative)	DOW CORNING CO RP	TC-6011	V-0, 150 °C	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 °C	UL
(Alternative)	Riseast	SSTCP	V-0, 150 °C	UL
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 °C	UL

☐ 유의사항 (Attention) :

1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등재를 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다.

As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.

2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 21 조제 1 항 또는 제 38 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다.

The Safety Certification will be cancelled under the Article 21(1), 38(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.

□ 첨부 2 : 기본모델 · 파생모델의 내용
Description of the basic and series model

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
XLG-150-L	Without dimming PCB, Dimming wire and rear cover
XLG-150-L-A	Without dimming PCB and Dimming wire
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-08-2 (2019.07.04.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 165 W, 2.0 A - Rated output current (I_{rated}) : 0.7 A - Rated output power (P_{rated}) : 150 W - Maximum output voltage(U_{OUT}) : DC 225 V - t_c : 90 °C, t_a : 55 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant current type, Independent, SELV controlgear - With Dimming PCB(B type), Dimming wire and Rear cover(Plastic cap) - This product is filled with potting compound - Metal enclosure used	
□ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가센터 신 중욱 / 02-860-1473 □ If you have any question on product review, please contact the person below : Job holder: Customer Support Division, Certification Convergence Evaluation Center, J.U.Shin / +82 2 860-1473	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
1 st Rev.) Change name, president and address of manufacturer (21-080534-08-1 : 2022.01.04.) - Before : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch / Yin Xiao Ming No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China

변경발급 내용
Contents of Certificate Revisions

2nd Rev.) Change of PCB layout and Addition of components (22-047914-03-1 : 2022.09.13.)

- PCB layout: Added alternative PCB layout for all models as new IC used. The alternative PCB layout was similar as original PCB layout.
- Added alternative dimming PCB
- Added alternative fuse for all models.
- Addition of components:

Component (Part no.)	Manufacturer(Brand)	Model
Input cord (indoor use only)	Dongguan Ever United Electric Wire&Cable C o., Ltd.	K60245 IEC 57 H05RN-F
Input cord (indoor use only)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Input cord	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Fuse (FS1)	Conquer	MST
Fuse (FS1)	Walter	2010
Fuse (FS1)	Littelfuse	369
Varistor (ZNR2, ZNR3)	Huiwan	V-471K-10D(E)H, V-471K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-561K-10D(E)H, V-561K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-621K-10D(E)H, V-621K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S511K JVT14S511K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S621K JVT14S621K

변경발급 내용 Contents of Certificate Revisions		
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S681K JVT14S681K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S751K JVT14S751K
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20751
X Capacitors, (C1,C2)	NISSEI	MP1
Y1 or Y2 capacitor (C3, C4, C30, C31, C32, C129, C130) C3, C4: Max.1000 pF, C30, C31, C32: Max.2200 pF, C129, C130: Max. 4700 pF (Optional)	Guangdong Huiwan Electronics	AB
Y1 or Y2 capacitor (C3, C4, C30, C31, C32, C129, C130) C3, C4: Max.1000 pF, C30, C31, C32: Max.2200 pF, C129, C130: Max. 4700 pF (Optional)	Wanming	HM
Y1 or Y2 capacitor (C3, C4, C30, C31, C32, C129, C130) C3, C4: Max.1000 pF, C30, C31, C32: Max.2200 pF, C129, C130: Max. 4700 pF (Optional)	Wanming	HJ
PCB	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A
PCB	RONG HUI	RH-3
PCB	CHANGZHOU AOHONG	AOH-2, AOH-8
PCB	CHANGZHOU HAIHONG	CCE-V0, HDCM1
Bobbin of T1, LF2, L1 and L2	Sumitomo Bakelite Co., Ltd.	PM-9750
Winding of LF1, LF2, L1, L2 and T1	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)

변경발급 내용 Contents of Certificate Revisions		
Winding of LF1, LF2, L1, L2 and T1	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of LF1, LF2, L1, L2 and T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of LF1, LF2, L1, L2 and T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H) (MW 82-C)
Winding of LF1, LF2, L1, L2 and T1	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Triple insulation wire of T1,	Heyuan Koshen Insulator	TIW-B*(a) TIW-B-LITZ
Teflon tube	CHANGYUAN ELECTRONICS GROUP CO LTD	CB-HFT, CB-HFT(XY), CYG-MT、 CB-TT-L、 CB-TT-S、 CB-TT-T、 CYG-ZHP

변경발급 내용 Contents of Certificate Revisions			
Insulation tape	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	
P Photo coupler (U3, U4) (U602 only for AB type)	Renesas electronicscorporation	PS2561DL1-1	
- Change Critical components rating information.			
Component (Part no.)	Manufacturer(Brand)	Model	Rating
X Capacitors, (C1,C2)	Kemet (Arcotronics)	R.46	275 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Kemet (Arcotronics)	R.49	310 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Iskra	KNR1530	AC 275 V,100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Iskra	KNB1560	Min. AC 275 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Liow Gu	GS-L	Min. AC 250 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Pilkor	PCX2 335	AC 275 V,100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Pilkor	PCX2 337	275 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Ultra Tech	HQX	Min. AC 250 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Shiny Space	SX1	300 V, 105 °C, Max.0.68 uF
X Capacitors, (C1,C2)	HUA JUNG	MKP	250 V, 110 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Carli Electronics	MPX	AC 275 V/310 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Joey	MPX	AC 275 V,100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Xiamen Faratronic	MKP62	Min. AC 275 V,100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Okaya	LE	AC 250 V,100 °C, Max.0.68 uF

변경발급 내용 Contents of Certificate Revisions			
Y1 or Y2 capacitor (C3, C4, C30, C31, C32, C129, C130) C3, C4: Max.1000 pF, C30, C31, C32: Max. 2200 pF, C129, C130: Max.4700 pF (Optional)	Murata	KX,KH,KY	min.250V, min,105 °C,
Y1 or Y2 capacitor (C3, C4, C30, C31, C32, C129, C130) C3, C4: Max.1000 pF, C30, C31, C32: Max. 2200 pF, C129, C130: Max. 4700 pF (Optional)	Guangdong Huiwan Electronics	AR	Min. 500V Min. 125 °C
Y1 or Y2 capacitor (C3, C4, C30, C31, C32, C129, C130) C3, C4: Max.1000 pF, C30, C31, C32 : Max.2200 pF, C129, C130: Max.4700 pF (Optional)	Walsin	AH,AC,AS	min.250V, min,105 °C,
Y1 or Y2 capacitor (C3, C4, C30, C31, C32, C129, C130) C3, C4: Max.1000 pF, C30, C31, C32 : Max.2200 pF, C129, C130: Max.4700 pF (Optional)	TDK	CD,CS	min.250V, min,105 °C,

변경발급 내용 Contents of Certificate Revisions			
Y1 or Y2 capacitor (C3, C4, C30, C31, C32, C129, C130) C3, C4: Max.1000 pF, C30, C31, C32 : Max.2200 pF, C129, C130: Max.4700 pF (Optional)	Welson	WD	min.250V, min,105 ° C,
Y1 or Y2 capacitor (C3, C4, C30, C31, C32, C129, C130) C3, C4: Max.1000 pF, C30, C31, C32 : Max.2200 pF, C129, C130: Max. 4700 pF (Optional)	VISHAY	VY1	min.250V, min,105 ° C,
Y1 or Y2 capacitor (C3, C4, C30, C31, C32, C129, C130) C3, C4: Max.1000 pF, C30, C31, C32 : Max.2200 pF, C129, C130: Max.4700 pF (Optional)	VISHAY	WKP	min.250V, min,105 ° C,
Y1 or Y2 capacitor (C3, C4, C30, C31, C32, C129, C130) C3, C4: Max.1000 pF, C30, C31, C32 : Max.2200 pF, C129, C130: Max. 4700 pF (Optional)	VISHAY	440L	min.250V, min,105 ° C,

변경발급 내용 Contents of Certificate Revisions				
PCB	Junda	JD-D,JD-E, JD-D1	V-1, 105 °C	
PCB	GUANGDONG CHAO HUA	C-103, C-104,C-109	V-1, 105 °C	
PCB	SUZHOU WUTONG ELECTRONICS CO LTD	GS-1 GS-2 GS-3 GS-4, GS-4S	Min. V-1, min. 105 °C	
Triple insulation wire of T1,	Furukawa	TEX-E TEX-ELZ	130 °C	
- Delete Critical components information				
Component (Part no.)	Manufacturer(Brand)	Model	Rating	Tested by
X Capacitors, X2 type (C2)	Kemet (Arcotronics)	R.46	275 V, 100 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	Kemet (Arcotronics)	R.49	310 V, 100 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	Iskra	KNR1530	AC 275 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Iskra	KNB1560	Min. AC 275 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Liow Gu	GS-L	Min. AC 250 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Pilkor	PCX2 335	275 V, 100 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	Pilkor	PCX2 337	275 V, 100 °C, 0.47 uF	ENEC

변경발급 내용 Contents of Certificate Revisions				
X Capacitors, X2 type (C2)	Ultra Tech	HQX	Min. AC 250 V, 10 0 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Shiny Space	SX1	300 V, 105 °C, 0. 47 uF	ENEC
X Capacitors, X2 type (C2)	HUA JUNG	MKP	250 V, 110 °C, 0. 47 uF	ENEC
X Capacitors, X2 type (C2)	Carli Electronics	MPX	AC 275 V/310 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Joey	MPX	AC 275 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Xiamen Faratronic	MKP62	Min. AC 275 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Okaya	LE	AC 250 V, 100 °C, 0.47 uF	ENEC
Y capacitor, Y1 t ype (C23)	Murata	KX	100 pF, AC 250 V/300 V, 105 °C	VDE
Y capacitor, Y1 t ype (C23)	Walsin	AH	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 t ype (C23)	Walsin	AS	100 pF, AC 500 V, 105 °C	VDE
Y capacitor, Y1 t ype (C23)	TDK	CD	100 pF, AC 250 V/400 V, 105 °C	VDE

변경발급 내용 Contents of Certificate Revisions				
Y capacitor, Y1 type (C23)	Welson	WD	100 pF, min AC 250 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	VY1	100 pF, 250 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	WKP	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	440L	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	Walsin	AC	2200 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	Murata	KH, KY	2200 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	TDK	CS	2200 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	Welson	KL	2200 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	VISHAY	338 6	2200 pF, 250 V, 105 °C	ENEC
Y capacitor, Y2 type (C129,C130)	Walsin	AC	10 nF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Murata	KH, KY	10 nF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	TDK	CS	10 nF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Welson	KL	10 nF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	VISHAY	338 6	10 nF, 250 V, 105 °C	ENEC
Insulation sheet between transformer core and primary circuit	Itw Electronics Components/ Products (Shanghai) Co., Ltd.	Formex N3-(b)(d)(e)(k)	Min. V-1, min. 130°C, min. 0,2 mm thick, triple insulation	UL

변경발급 내용
Contents of Certificate Revisions

3rd Rev.) components modifications and update of KC standards

(23-043447-08-1 : 2023.08.22.) based on

CB Certificate Ref. No.: NL-89360 (DEKRA Certification B.V.) and CB report No.,
4904966.51(DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)

- Addition of components

Component (Part no.)	Manufacturer(Brand)	Model	Rating	Tested by
PCB	Tai He PCB Company Limited	THS, THD1	Min. V-1, min. 130 °C	UL
PCB	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	DS-206T, ML-401	Min. V-0, min. 130 °C	UL

- deletion of below components

Component (Part no.)	Manufacturer(Brand)	Model	Rating	Tested by
(Alternative)	GUANGZHOU TAIHE	THS, THD	V-1, 105 °C	UL

- Varistor change from (ZNR2, ZNR3) to (ZNR3, ZNR4)

- Y capacitor C129, C130 change from Max.4700pF to Max.10000 pF

- KC standards updated to KC61347-1(2022-02), KC61347-2-13(2022-02)

FP511-06

접 수 번 호 : 22-047914-03-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-19009B
(Certificate No.)

제 조 업 자/수 입 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
(Manufacturer/importer)

주 소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890,
(Address) Guangdong, China

제 품 명 : 조명기구용컨버터(LED용)
(Product) (Electronic controlgear)

기 본 모 델 명 : XLG-150-L-AB
(Basic Model)

파 생 모 델 명 : XLG-150-L, XLG-150-L-A
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 165 W
(Rating) (Output: 0.7 A, Max. DC 225 V)

시 험 기 준 : KC61347-1(2015-09), KC61347-2-13(2015-09)
(Standard)

본 인증서는 제 조 국 명 : 중국
제 조 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
제조공장의 주소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890
, Guangdong, China
의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항, 제4항, 제10조제2항 또는 제15조제2항에 따라
안전인증서를 발급합니다.

We Issue This Safety Certificate for the above appliances in accordance with the Article 9(2),9(4),10(2)
or 15(2) of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control
Act.

2022 년 09 월 13 일
Year month day

한국산업기술시험원
KOREA TESTING LABORATORY



※ 이 인증서는 「전기용품 및 생활용품 안전관리법 시행규칙」에 따른 제품의 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는
제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류

1. 전기용품의 안전관리부품 및 재질목록(List of Critical Components)
2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)
3. 안전인증의 변경 현황 (Revisions Status)

□ 첨부 1 : 전기용품의 안전관리부품 및 재질목록
List of Critical Components

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Input cord (indoor use only)	Dongguan Ever United Electric Wire &Cable Co., Ltd.	K60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
Input cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire &Cable Co., Ltd.	K60245 IEC 66 H08RN-F	AC 450 / 750 V, 3G x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H05 RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H07 RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun E lectric Wire & Cable Co., Ltd.	60245 IEC 57 (H05 RN-F), 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05 RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC66 (H07RN-F) 3x1.0 m m ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Developm ent Co.,Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² - 2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Developm ent Co.,Ltd	60245 IEC66 (H07R N-F), 3X1.0, 1.5, 2. 5, 4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3×0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 3 × 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)×(1.0-2.5) m m ²	AC450/750 V, 3 × 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5)× (1/1.5/2.5) mm ²	AC450/750 V, 3 × 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5)× (0.75/1) mm ²	AC300/500 V, 3 × 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co.,Ltd.	60245 IEC 57 (H05RN-F) 2-3 × 0.75-1.0 mm ²	AC300/500 V, 3 × 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co.,Ltd.	60245 IEC 66 (H07RN-F) 2-5×1.0 -2.5 mm ²	AC450/750 V, 3 × 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T4 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T4 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T4 A, 250 V or AC 300 V	VDE
(Alternative)	Conquer	MST	T6.3 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T6.3 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T6.3 A, 250 V or AC 300 V	VDE
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Huiwan	V-471K-10D(E)H, V-471K-14D(E)H	AC 300 V, DC 470 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-561K-10D(E)H, V-561K-14D(E)H	AC 350 V, DC 450 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-621K-10D(E)H, V-621K-14D(E)H	AC 395 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H	AC 420 V, DC 560 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S511K JVT14S511K	AC 320 V, DC 510 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S621K JVT14S621K	AC 395 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S681K JVT14S681K	AC 420 V, DC 560 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S751K JVT14S751K	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751	AC 465 V, DC 750 V, min. 105 °C	VDE
X Capacitors, (C1,C2)	Kemet (Arcotronics)	R.46	275 V, 100 °C, Max. 0.68 uF	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Kemet (Arcotronics)	R.49	310 V, 100 °C, Max. 0.68 uF	ENEC
(Alternative)	NISSEI	MP1	300V, 100 °C Max. 0.68 uF	VDE
(Alternative)	Iskra	KNR1530	AC 275 V, 100 °C, Max. 0.68 uF	VDE
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 100 °C, Max. 0.68 uF	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 100 °C, Max. 0.68 uF	VDE
(Alternative)	Pilkor	PCX2 335	275 V, 100 °C, Max. 0.68 uF	ENEC
(Alternative)	Pilkor	PCX2 337	275 V, 100 °C, Max. 0.68 uF	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 100 °C, Max. 0.68 uF	VDE
(Alternative)	Shiny Space	SX1	300 V, 105 °C, Max. 0.68 uF	ENEC
(Alternative)	HUA JUNG	MKP	250 V, 110 °C, Max. 0.68 uF	ENEC
(Alternative)	Carli Electronics	MPX	AC 275 V/310 V, 100 °C, Max. 0.68 uF	VDE
(Alternative)	Joey	MPX	AC 275 V, 100 °C, Max. 0.68 uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 100 °C, Max. 0.68 uF	VDE
(Alternative)	Okaya	LE	AC 250 V, 100 °C, Max. 0.68 uF	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Y1 or Y2 capacit or (C3, C4, C30, C31, C32, C129, C130) C3, C4: Max.1000 pF, C30, C31, C32 : Max.2200 pF, C129, C130: Max. 4700 pF (Optional)	Murata	KX,KH,KY	Min. 250V Min. 105 °C	VDE
(Alternative)	Guangdong Huiwan Electronics	AR	Min. 500V Min. 125 °C	VDE
(Alternative)	Walsin	AH,AC,AS	Min. 250V Min. 105 °C	VDE
(Alternative)	TDK	CD,CS	Min. 250V Min. 105 °C	VDE
(Alternative)	Welson	WD	Min. 250V Min. 105 °C	VDE
(Alternative)	VISHAY	VY1,WKP	Min. 250V Min. 105 °C	VDE
(Alternative)	VISHAY	440L	Min. 250V Min. 105 °C	VDE
(Alternative)	Guangdong Huiwan Electronics	AB	Min. 300V Min. 125 °C	VDE
(Alternative)	Wanming	HM	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Wanming	HJ	Min. 250 V, Min. 105 °C	VDE
PCB	Junda	JD-D,JD-E, JD-D1	V-1, 105 °C	Tested with appliance UL
(Alternative)	GUANGZHOU TAIHE	THS, THD	V-1, 105 °C	UL
(Alternative)	HONG SHIEN	03V-0, -D, -M	V-1, 105 °C	UL
(Alternative)	HSU TZU	4V0, DV2, MV1	V-1, 105 °C	UL
(Alternative)	JIIN-YU	JY-001, JY-003	V-1, 105 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Brite Plus	DGV0-3A	V-1, 105 °C	UL
(Alternative)	YANG MIN TECHNOLOGY LTD	76V0A	V-1, 105 °C	UL
(Alternative)	KUNSHAN WANYUANTONG ELECTRONIC TECHNOLOGY CO LTD	SWZ-1	V-1, 105 °C	UL
(Alternative)	GUANGDONG CHAOHUA	C-103, C-104, C-109	V-1, 105 °C	UL
(Alternative)	GUANGZHOU TAIHUA MULTILAYER CIRCUIT BOARD CO LTD	ST-01	Min. V-1, min. 105 °C	UL
(Alternative)	SUZHOU WUTONG ELECTRONICS CO LTD	GS-2, GS-1, GS-3 GS-4, GS-4S	Min. V-1, min. 105 °C	UL
(Alternative)	JIANGSU DIFEIDA ELECTRONICS CO LTD	DFD-2	Min. V-1, min. 105 °C	UL
(Alternative)	HONG SHIEN	-D	Min. V-1, min. 105 °C	UL
(Alternative)	KUNSHAN GUANGQIAN ELECTRONICS CO LTD	D, D1	Min. V-1, min. 105 °C	UL
(Alternative)	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A	V-1, 130 °C	UL
(Alternative)	RONG HUI	RH-3	V-1, 130 °C	UL
(Alternative)	CHANGZHOU AOHONG	AOH-2, AOH-8	V-1, 130 °C	UL
(Alternative)	CHANGZHOU HAIHONG	CCE-V0, HDCEM1	V-1, 130 °C	UL
Line Filter Choke (LF1)	MEAN WELL	TR-6164	130 °C	Tested with apliance
Line Filter Choke (LF2)	MEAN WELL	LF-6039	130 °C	Tested with apliance
Line Filter Choke (L1)	MEAN WELL	TR-623A	130 °C	Tested with apliance
Line Filter Choke (L2)	MEAN WELL	TF-6956	130 °C	Tested with apliance

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Transformer (T1) For XLG-150-L, XLG-150-L-A	MEAN WELL Enterprises Co., Ltd.	TF-6961	Class B	Tested with a pliance
Transformer (T1) For XLG-150-L-A B	MEAN WELL Enterprises Co., Ltd.	TF-6989	Class B	Tested with a pliance
Bobbin of T1, LF2, L1 and L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with a pliance UL
(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9750 PM-9823	155°C	UL
(Alternative)	E I Dupont DE Nemours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
(Alternative)	NAN YA	1403G3, 1403G6	V-0, 130 °C	UL
(Alternative)	CHANG CHUN PLASTICS CO LTD	T375J,T375HF	V-0, 150 °C	UL
(Alternative)	SUMITOMO CHEMICAL CO LTD	E4008	130 °C	UL
(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9823	V-0, 150 °C	UL
(Alternative)	CHANG CHUN PLASTICS CO LTD	T200HF	V-0, 150 °C	UL
(Alternative)	CHANG CHUN PLASTICS CO LTD	T220NA	V-0, 150 °C	UL
Winding of LF1, LF2 and L1, L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U(MW 75-C), UEWN/U(MW 28-C), UEWS/U(MW75-C)	130 °C	Tested with a pliance UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)	130 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWN Y/Q(A/X)-B,F)(MW 28-C)	130 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	TAI-HI ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)	155 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWN Y/Q(A/X)-B,F)(MW 80-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/Q A-H) (MW 82-C)	180 °C	UL
(Alternative)	TAI-HI ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	155 °C	UL
(Alternative)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	155 °C	UL
Triple insulation wire of T1,	Furukawa	TEX-E	130 °C	Tested with appliance UL
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2SX	130 °C	UL
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@(MW75-C)	130 °C	Tested with appliance UL
Teflon tube	Great Holding Industrial Co., Ltd.	TFL,TFT,TFS	200 °C	Tested with appliance UL
(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 °C	UL
(Alternative)	CHANGYUAN ELECTRONICS GROUP CO LTD	CB-HFT, CB-HFT(XY), CYG-MT, CB-TT-L, CB-TT-S, CB-TT-T, CYG-ZHP	200 °C	UL
Insulation tape	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 °C	Tested with appliance UL
(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 °C	UL
(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 °C	UL
(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1 1351-2(c)	130 °C	UL
(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	130 °C	UL
(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 °C	UL
(Alternative)	E I DUPONT DE NEMOURS & CO INC	Nomex®410,411, 414, 418	220 °C	UL
(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 371F(a)	130 °C	UL
Photo coupler (U3, U4) (U602 only for AB type)	Sharp	PC3L57	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.3 mm, min. 110 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817, LTV-817M, LTV-817S	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr= 8.0 mm, 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 mm, 115 °C	VDE
(Alternative)	Renesas electronics corporation	PS2561DL1-1	Dti= 0.4 mm, Int. cr= 5.0 mm, Ext. cr ≥ 8.0 mm, 110 °C	VDE
(Alternative)	Toshiba Corporation	TLP781F	Dti = 0.6 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, 115 °C	VDE
(Alternative)	Everlight	EL817M	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti ≥ 0.4 mm, Int.dcr.= 5.2 mm, Ext. dcr.≥ 8.0 mm, min. 110 °C	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299, 5297	V-0, 150 °C	Tested with appliance UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	SYLGARD 160	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	TC-6011	V-0, 150 °C	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 °C	UL
(Alternative)	Riseast	SSTCP	V-0, 150 °C	UL
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 °C	UL

☐ 유의사항 (Attention) :

1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등재를 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다.

As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.

2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 21 조제 1 항 또는 제 38 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다.

The Safety Certification will be cancelled under the Article 21(1), 38(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.

FP511-04

□ 첨부 2 : 기본모델 · 파생모델의 내용
Description of the basic and series model

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
XLG-150-L	Without dimming PCB, Dimming wire and rear cover
XLG-150-L-A	Without dimming PCB and Dimming wire
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-08-2 (2019.07.04.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 165 W, 2.0 A - Rated output current (I_{rated}) : 0.7 A - Rated output power (P_{rated}) : 150 W - Maximum output voltage(U-OUT) : DC 225 V - t_c : 90 °C, t_a : 55 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant current type, Independent, SELV controlgear - With Dimming PCB(B type), Dimming wire and Rear cover(Plastic cap) - This product is filled with potting compound - Metal enclosure used 본 제품의 검토내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토담당자 / 연락처 : 고객지원본부 인증융합평가센터 장 재용 / 02-860-1137 <i>If you have any question on product review, please contact the person below :</i> Job holder: Customer Support Division, Certification Convergence Evaluation Center, J.Y.Jang / +82 2 860 1137	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용
Contents of Certificate Revisions

1st Rev.) Change name, president and address of manufacturer (21-080534-08-1 : 2022.01.04.)

– Before : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch / Yin Xiao Ming
No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China

After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang
No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China

변경발급 내용
Contents of Certificate Revisions

2nd Rev.) Change of PCB layout and Addition of components (22-047914-03-1 : 2022.09.13.)

- PCB layout: Added alternative PCB layout for all models as new IC used.
The alternative PCB layout was similar as original PCB layout.
- Added alternative dimming PCB
- Added alternative fuse for all models.
- Addition of components:

Component (Part no.)	Manufacturer(Brand)	Model
Input cord (indoor use only)	Dongguan Ever United Electric Wire&Cable C o., Ltd.	K60245 IEC 57 H05RN-F
Input cord (indoor use only)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Input cord	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Fuse (FS1)	Conquer	MST
Fuse (FS1)	Walter	2010
Fuse (FS1)	Littelfuse	369
Varistor (ZNR2, ZNR3)	Huiwan	V-471K-10D(E)H, V-471K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-561K-10D(E)H, V-561K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-621K-10D(E)H, V-621K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S511K JVT14S511K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S621K JVT14S621K

변경발급 내용 Contents of Certificate Revisions		
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S681K JVT14S681K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S751K JVT14S751K
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20751
X Capacitors, (C1,C2)	NISSEI	MP1
Y1 or Y2 capacitor (C3, C4, C30, C31, C32, C129, C130) C3, C4: Max.1000 pF, C30, C31, C32: Max.2200 pF, C129, C130: Max. 4700 pF (Optional)	Guangdong Huiwan Electronics	AB
Y1 or Y2 capacitor (C3, C4, C30, C31, C32, C129, C130) C3, C4: Max.1000 pF, C30, C31, C32: Max.2200 pF, C129, C130: Max. 4700 pF (Optional)	Wanming	HM
Y1 or Y2 capacitor (C3, C4, C30, C31, C32, C129, C130) C3, C4: Max.1000 pF, C30, C31, C32: Max.2200 pF, C129, C130: Max. 4700 pF (Optional)	Wanming	HJ
PCB	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A
PCB	RONG HUI	RH-3
PCB	CHANGZHOU AOHONG	AOH-2, AOH-8
PCB	CHANGZHOU HAIHONG	CCE-V0, HDCM1
Bobbin of T1, LF2, L1 and L2	Sumitomo Bakelite Co., Ltd.	PM-9750
Winding of LF1, LF2, L1, L2 and T1	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)

변경발급 내용 Contents of Certificate Revisions		
Winding of LF1, LF2, L1, L2 and T1	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of LF1, LF2, L1, L2 and T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of LF1, LF2, L1, L2 and T1	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of LF1, LF2, L1, L2 and T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H) (MW 82-C)
Winding of LF1, LF2, L1, L2 and T1	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of LF1, LF2, L1, L2 and T1	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Triple insulation wire of T1,	Heyuan Koshen Insulator	TIW-B*(a) TIW-B-LITZ
Teflon tube	CHANGYUAN ELECTRONICS GROUP CO LTD	CB-HFT, CB-HFT(XY), CYG-MT、 CB-TT-L、 CB-TT-S、 CB-TT-T、 CYG-ZHP

변경발급 내용 Contents of Certificate Revisions			
Insulation tape	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	
P Photo coupler (U3, U4) (U602 only for AB type)	Renesas electronicscorporation	PS2561DL1-1	
- Change Critical components rating information.			
Component (Part no.)	Manufacturer(Brand)	Model	Rating
X Capacitors, (C1,C2)	Kemet (Arcotronics)	R.46	275 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Kemet (Arcotronics)	R.49	310 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Iskra	KNR1530	AC 275 V,100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Iskra	KNB1560	Min. AC 275 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Liow Gu	GS-L	Min. AC 250 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Pilkor	PCX2 335	AC 275 V,100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Pilkor	PCX2 337	275 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Ultra Tech	HQX	Min. AC 250 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Shiny Space	SX1	300 V, 105 °C, Max.0.68 uF
X Capacitors, (C1,C2)	HUA JUNG	MKP	250 V, 110 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Carli Electronics	MPX	AC 275 V/310 V, 100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Joey	MPX	AC 275 V,100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Xiamen Faratronic	MKP62	Min. AC 275 V,100 °C, Max.0.68 uF
X Capacitors, (C1,C2)	Okaya	LE	AC 250 V,100 °C, Max.0.68 uF

변경발급 내용 Contents of Certificate Revisions			
Y1 or Y2 capacitor (C3, C4, C30, C31, C32, C129, C130) C3, C4: Max.1000 pF, C30, C31, C32: Max. 2200 pF, C129, C130: Max.4700 pF (Optional)	Murata	KX,KH,KY	min.250V, min,105 °C,
Y1 or Y2 capacitor (C3, C4, C30, C31, C32, C129, C130) C3, C4: Max.1000 pF, C30, C31, C32: Max. 2200 pF, C129, C130: Max. 4700 pF (Optional)	Guangdong Huiwan Electronics	AR	Min. 500V Min. 125 °C
Y1 or Y2 capacitor (C3, C4, C30, C31, C32, C129, C130) C3, C4: Max.1000 pF, C30, C31, C32 : Max.2200 pF, C129, C130: Max.4700 pF (Optional)	Walsin	AH,AC,AS	min.250V, min,105 °C,
Y1 or Y2 capacitor (C3, C4, C30, C31, C32, C129, C130) C3, C4: Max.1000 pF, C30, C31, C32 : Max.2200 pF, C129, C130: Max.4700 pF (Optional)	TDK	CD,CS	min.250V, min,105 °C,

변경발급 내용 Contents of Certificate Revisions			
Y1 or Y2 capacitor (C3, C4, C30, C31, C32, C129, C130) C3, C4: Max.1000 pF, C30, C31, C32 : Max.2200 pF, C129, C130: Max.4700 pF (Optional)	Welson	WD	min.250V, min,105 ° C,
Y1 or Y2 capacitor (C3, C4, C30, C31, C32, C129, C130) C3, C4: Max.1000 pF, C30, C31, C32 : Max.2200 pF, C129, C130: Max. 4700 pF (Optional)	VISHAY	VY1	min.250V, min,105 ° C,
Y1 or Y2 capacitor (C3, C4, C30, C31, C32, C129, C130) C3, C4: Max.1000 pF, C30, C31, C32 : Max.2200 pF, C129, C130: Max.4700 pF (Optional)	VISHAY	WKP	min.250V, min,105 ° C,
Y1 or Y2 capacitor (C3, C4, C30, C31, C32, C129, C130) C3, C4: Max.1000 pF, C30, C31, C32 : Max.2200 pF, C129, C130: Max. 4700 pF (Optional)	VISHAY	440L	min.250V, min,105 ° C,

변경발급 내용 Contents of Certificate Revisions				
PCB	Junda	JD-D,JD-E, JD-D1	V-1, 105 °C	
PCB	GUANGDONG CHAO HUA	C-103, C-104,C-109	V-1, 105 °C	
PCB	SUZHOU WUTONG ELECTRONICS CO LTD	GS-1 GS-2 GS-3 GS-4, GS-4S	Min. V-1, min. 105 °C	
Triple insulation wire of T1,	Furukawa	TEX-E TEX-ELZ	130 °C	
- Delete Critical components information				
Component (Part no.)	Manufacturer(Brand)	Model	Rating	Tested by
X Capacitors, X2 type (C2)	Kemet (Arcotronics)	R.46	275 V, 100 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	Kemet (Arcotronics)	R.49	310 V, 100 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	Iskra	KNR1530	AC 275 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Iskra	KNB1560	Min. AC 275 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Liow Gu	GS-L	Min. AC 250 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Pilkor	PCX2 335	275 V, 100 °C, 0.47 uF	ENEC
X Capacitors, X2 type (C2)	Pilkor	PCX2 337	275 V, 100 °C, 0.47 uF	ENEC

변경발급 내용 Contents of Certificate Revisions				
X Capacitors, X2 type (C2)	Ultra Tech	HQX	Min. AC 250 V, 10 0 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Shiny Space	SX1	300 V, 105 °C, 0. 47 uF	ENEC
X Capacitors, X2 type (C2)	HUA JUNG	MKP	250 V, 110 °C, 0. 47 uF	ENEC
X Capacitors, X2 type (C2)	Carli Electronics	MPX	AC 275 V/310 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Joey	MPX	AC 275 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Xiamen Faratronic	MKP62	Min. AC 275 V, 100 °C, 0.47 uF	VDE
X Capacitors, X2 type (C2)	Okaya	LE	AC 250 V, 100 °C, 0.47 uF	ENEC
Y capacitor, Y1 t ype (C23)	Murata	KX	100 pF, AC 250 V/300 V, 105 °C	VDE
Y capacitor, Y1 t ype (C23)	Walsin	AH	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 t ype (C23)	Walsin	AS	100 pF, AC 500 V, 105 °C	VDE
Y capacitor, Y1 t ype (C23)	TDK	CD	100 pF, AC 250 V/400 V, 105 °C	VDE

변경발급 내용 Contents of Certificate Revisions				
Y capacitor, Y1 type (C23)	Welson	WD	100 pF, min AC 250 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	VY1	100 pF, 250 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	WKP	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	440L	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	Walsin	AC	2200 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	Murata	KH, KY	2200 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	TDK	CS	2200 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	Welson	KL	2200 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C31,C32)	VISHAY	338 6	2200 pF, 250 V, 105 °C	ENEC
Y capacitor, Y2 type (C129,C130)	Walsin	AC	10 nF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Murata	KH, KY	10 nF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	TDK	CS	10 nF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Welson	KL	10 nF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	VISHAY	338 6	10 nF, 250 V, 105 °C	ENEC
Insulation sheet between transformer core and primary circuit	Itw Electronics Components/ Products (Shanghai) Co., Ltd.	Formex N3-(b)(d)(e)(k)	Min. V-1, min. 130°C, min. 0,2 mm thick, triple insulation	UL

FP511-06

접수번호 : 21-080534-08-1
(Receipt No.)



안전인증서

Safety Certificate

안전인증번호 : SU11358-19009A
(Certificate No.)

제조업자/수입업자명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
(Manufacturer/importer)

주소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890,
(Address) Guangdong, China

제품명 : 조명기구용컨버터(LED용)
(Product) (Electronic controlgear)

기본모델명 : XLG-150-L-AB
(Basic Model)

파생모델명 : XLG-150-L, XLG-150-L-A
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 165 W
(Rating) (Output: 0.7 A, Max. DC 225 V)

시험기준 : KC61347-1(2015-09), KC61347-2-13(2015-09)
(Standard)

본 인증서는 제조국명 : 중국
제조업자명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
제조공장의 주소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890
Guangdong, China
의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항, 제4항, 제10조제2항 또는 제15조제2항에 따라
안전인증서를 발급합니다.

We issue This Safety Certificate for the above appliances in accordance with the Article 9(2),9(4),10(2)
or 15(2) of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control
Act.

2022 년 01 월 04 일
Year month day

한국산업기술시험원
KOREA TESTING LABORATORY



* 이 인증서는 「전기용품 및 생활용품 안전관리법 시행규칙」에 따른 제품의 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는
제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류

1. 전기용품의 안전관리부품 및 재질목록(List of Critical Components)
2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)
3. 안전인증의 변경 현황 (Revisions Status)

□ 첨부 1 : 전기용품의 안전관리부품 및 재질목록
List of Critical Components

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Input cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F 3G0.75mm ² -1.0mm ²	AC 300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 3G1.0 mm ² -4mm ²	AC 450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0mm ²	AC 300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H07RN-F) 3x1.0mm ²	AC 450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 3Gx1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang ZhongjiaElectric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang ZhongjiaElectric Co., Ltd	60245 IEC 66(H07RN-F) 3x1.0mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co., Ltd	K60245 IEC 57 2C-5Cx0.75mm ² -2.5mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co., Ltd	60245 IEC 66 (H07RN-F) 3x1.0,1.5,1.5,4 mm ²	AC450/750/ V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)x(1.0-2.5) mm ²	AC450/750/ V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5)x(0.75/1)mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5)x(1/1.5/2.5)mm ²	AC450/750 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2-3x0.75-1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC66 (07RN-F) 2-5x1.0-2.5mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T 4 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T 4 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T 4 A, 250 V or AC 300 V	VDE
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 ℃	VDE
X-Capacitors (C1)	Kemet (Arcotronics)	R.46	AC 275 V, 0.22 uF, 100 ℃	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	AC 315 V, 0.22 uF, 100 ℃	ENEC
(Alternative)	Iskra	KNR1530	AC 275 V, 0.22 uF, 100 ℃	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 0.22 uF, 100 °C	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 0.22 uF, 100 °C	VDE
(Alternative)	Pilkor	PCX2 335	AC 275 V, 0.22 uF, 100 °C	ENEC
(Alternative)	Pilkor	PCX2 337	AC 275 V, 0.22 uF, 100 °C	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 0.22 uF, 100 °C	VDE
(Alternative)	Shiny Space	SX1	AC 300 V, 0.22 uF, 105 °C	ENEC
(Alternative)	HUA JUNG	MKP	AC 250 V, 0.22 uF, 110 °C	ENEC
(Alternative)	Carli Electronics	MPX	AC 275/310 V, 0.22 uF, 100 °C	VDE
(Alternative)	Joey	MPX	AC 275 V, 0.22 uF, 100 °C	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.22 uF, 100 °C	VDE
(Alternative)	Okaya	LE	AC 250 V, 0.22 uF, 100 °C	ENEC
X-Capacitors (C2)	Kemet (Arcotronics)	R.46	AC 275 V, 0.47 uF, 100 °C	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	AC 315 V, 0.47 uF, 100 °C	ENEC
(Alternative)	Iskra	KNR1530	AC 275 V, 0.47 uF, 100 °C	VDE
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 0.47 uF, 100 °C	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 0.47 uF, 100 °C	VDE
(Alternative)	Pilkor	PCX2 335	AC 275 V, 0.47 uF, 100 °C	ENEC
(Alternative)	Pilkor	PCX2 337	AC 275 V, 0.47 uF, 100 °C	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 0.47 uF, 100 °C	VDE
(Alternative)	Shiny Space	SX1	AC 300 V, 0.47 uF, 105 °C	ENEC
(Alternative)	HUA JUNG	MKP	AC 250 V, 0.47 uF, 110 °C	ENEC
(Alternative)	Carli Electronics	MPX	AC 275/310 V, 0.47 uF, 100 °C	VDE
(Alternative)	Joey	MPX	AC 275 V, 0.47 uF, 100 °C	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.47 uF, 100 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Okaya	LE	AC 250 V, 0.47 μ F, 100 $^{\circ}$ C	ENEC
Y-capacitor (C3, C4, C30)	Murata	KX	AC 250/300 V, 1 000 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	Guangdong Huiwan Electronics	AR	AC 500 V, 1 000 pF, 125 $^{\circ}$ C, Y1	VDE
(Alternative)	Walsin	AH	AC 250/400 V, 1 000 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	Walsin	AS	AC 500 V, 1 000 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	TDK	CD	AC 250/400 V, 1 000 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 1 000 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 1 000 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 1 000 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 1 000 pF, 105 $^{\circ}$ C, Y1	VDE
Y-capacitor (C23)	Murata	KX	AC 250/300 V, 100 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	Walsin	AH	AC 250/400 V, 100 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	Walsin	AS	AC 500 V, 100 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	TDK	CD	AC 250/400 V, 100 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 100 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 100 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 100 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 100 pF, 105 $^{\circ}$ C, Y1	VDE
Y-capacitor (C31, C32)	Walsin	AC	AC 250 V, 2 200 pF, 105 $^{\circ}$ C, Y2	VDE
(Alternative)	Murata	KH, KY	AC 250 V, 2 200 pF, 105 $^{\circ}$ C, Y2	VDE
(Alternative)	TDK	CS	AC 250 V, 2 200 pF, 105 $^{\circ}$ C, Y2	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Welson	KL	AC 250 V, 2 200 pF, 105 ℃, Y2	VDE
(Alternative)	VISHAY	338 6	AC 250 V, 2 200 pF, 105 ℃, Y2	ENEC
Y-capacitor (C129, C130)	Walsin	AC	AC 250 V, 10 nF, 105 ℃, Y2	VDE
(Alternative)	Murata	KH, KY	AC 250 V, 10 nF, 105 ℃, Y2	VDE
(Alternative)	TDK	CS	AC 250 V, 10 nF, 105 ℃, Y2	VDE
(Alternative)	Welson	KL	AC 250 V, 10 nF, 105 ℃, Y2	VDE
(Alternative)	VISHAY	338 6	AC 250 V, 10 nF, 105 ℃, Y2	ENEC
PCB	Junda	JD-D,JD-E	V-1, 105 ℃	UL
(Alternative)	GUANGZHOU TAIHE	THS, THD	V-1, 105 ℃	UL
(Alternative)	HONG SHIEN	03V-0, -D, -M	V-1, 105 ℃	UL
(Alternative)	HSU TZU	4V0, DV2, MV1	V-1, 105 ℃	UL
(Alternative)	JIIN-YU	JY-001, JY-003	V-1, 105 ℃	UL
(Alternative)	Brite Plus	DGV0-3A	V-1, 105 ℃	UL
(Alternative)	YANG MIN TECHNOLOGY LTD	76V0A	V-1, 105 ℃	UL
(Alternative)	KUNSHAN WANYUANTONG ELECTRONIC TECHNOLOGY CO LTD	SWZ-1	V-1, 105 ℃	UL
(Alternative)	GUANGDONG CHAOHUA	C-103, C-104	V-1, 105 ℃	UL
(Alternative)	GUANGZHOU TAIHUA MULTILAYER CIRCUIT BOARD CO LTD	ST-01	Min. V-1, min. 105 ℃	UL
(Alternative)	SUZHOU WUTONG ELECTRONICS CO LTD	GS-2	Min. V-1, min. 105 ℃	UL
(Alternative)	JIANGSU DIFEIDA ELECTRONICS CO LTD	DFD-2	Min. V-1, min. 105 ℃	UL
(Alternative)	HONG SHIEN	-D	Min. V-1, min. 105 ℃	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	KUNSHAN GUANGQIAN ELECTRONICS CO LTD	D, D1	Min. V-1, min. 105 °C	UL
Line Filter Choke(LF1)	MEAN WELL	TR-6164	130 °C	Tested with appliance
Line Filter Choke (LF2)	MEAN WELL	LF-6039	130 °C	Tested with appliance
Line Filter Choke (L1)	MEAN WELL	TR-623A	130 °C	Tested with appliance
Line Filter Choke (L2)	MEAN WELL	TF-6956	130 °C	Tested with appliance
-Winding of LF1, LF2 and L1, L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U(MW 75- C), UEWN/U(MW 28-C), UEWS/U(MW75 -C)	130 °C	Tested with appliance UL
Transformer (T1) for XLG-150-L, XLG-150-L-A	MEAN WELL Enterp rises Co., Ltd.	TF-6961	Class B	Tested with appliance
Transformer (T1) for XLG-150-L- AB	MEAN WELL Enterp rises Co., Ltd.	TF-6989	Class B	Tested with appliance
-Bobbin of T1, LF2, L1 and L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with appliance UL
-(Alternative)	E I Dupont DE Ne mours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
-(Alternative)	NAN YA	1403G3, 1403G 6	V-0, 130 °C	UL
-(Alternative)	CHANG CHUN PLA STICS CO LTD	T375J, T375HF	V-0, 150 °C	UL
-(Alternative)	SUMITOMO CHEMI CAL CO LTD	E4008	130 °C	UL
-(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9823	V-0, 150 °C	UL
-(Alternative)	CHANG CHUN PLA STICS CO LTD	T200HF	V-0, 150 °C	UL
-(Alternative)	CHANG CHUN PLA STICS CO LTD	T220NA	V-0, 150 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
-Triple insulation wire of T1	Furukawa	TEX-E	130 ℃	Tested with appliance UL
-(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2 SX	130 ℃	UL
-(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 ℃	UL
-Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW 75-C)	130 ℃	Tested with appliance UL
-Teflon tube	Great Holding Industrial Co., Ltd.	TFL, TFT, T FS	200 ℃	Tested with appliance UL
-(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 ℃	UL
-Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 ℃	Tested with appliance UL
-(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 ℃	UL
-(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1 1351-2(c)	130 ℃	UL
-(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	130 ℃	UL
-(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 ℃	UL
-(Alternative)	E I DUPONT DE NEMOURS & CO INC	Nomex®410,411 , 414, 418	220 ℃	UL
-(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 371F(a)	130 ℃	UL
Photo coupler (U3, U4), (U602 only for AB type)	Sharp	PC3L57	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.3 mm, min. 110 ℃	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 ℃	VDE
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 ℃	VDE
(Alternative)	Lite-On	LTV-817, LTV-817M, LTV-817S	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr= 8.0 mm, 110 ℃	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 mm, 115 ℃	VDE
(Alternative)	Toshiba Corporation	TLP781F	Dti = 0.6 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, 115 ℃	VDE
(Alternative)	Everlight	EL817M	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 ℃	VDE
(Alternative)	VISHAY	TCLT1008	Dti ≥ 0.4 mm, Int.dcr.= 5.2 mm, Ext. dcr.≥ 8.0 mm, min. 110 ℃	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299, 5297	V-0, 150 ℃	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 ℃	UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B	V-0, 150 ℃	UL
(Alternative)	DOW CORNING CORP	SYLGARD 160	V-0, 150 ℃	UL
(Alternative)	DOW CORNING CORP	TC-6011	V-0, 150 ℃	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 ℃	UL
(Alternative)	Riseast	SSTCP	V-0, 150 ℃	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 ℃	UL
Insulation sheet between transformer core and primary circuit	Itw Electronics Components/ Products (Shanghai) Co., Ltd.	Formex N3- (b)(d)(e)(k)	Min. V-1, min. 130 ℃, min. 0,2 mm thick, triple insulation	UL

☐ 유의사항 (Attention) :

1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등록을 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다.

As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.

2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 21 조제 1 항 또는 제 38 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다.

The Safety Certification will be cancelled under the Article 21(1), 38(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.

FP511-04

□ 첨부 2 : 기본모델 · 파생모델의 내용
Description of the basic and series model

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
XLG-150-L	Without dimming PCB, Dimming wire and rear cover
XLG-150-L-A	Without dimming PCB and Dimming wire
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-08-2 (2019.07.04.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 165 W, 2.0 A - Rated output current (I_{rated}) : 0.7 A - Rated output power (P_{rated}) : 150 W - Maximum output voltage(U-OUT) : DC 225 V - t_c : 90 °C, t_a : 55 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant current type, Independent, SELV controlgear - With Dimming PCB(B type), Dimming wire and Rear cover(Plastic cap) - This product is filled with potting compound - Metal enclosure used □ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가팀 신 종욱 / 02-8601-1437 □ If you have any question on product review, please contact the person below : Job holder: Customer Support Division, Certification Convergence Evaluation Team, J.U.Shin / +82 2 860-1437	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용
Contents of Certificate Revisions

1st Rev.) Change name, president and address of manufacturer (21-080534-08-1 : 2022.01.04.)
- Before : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch / Yin Xiao Ming
No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China
After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang
No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China

FP511-06

접 수 번 호 : 19-032492-08-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-19009
(Certificate No.)

제 조 업 자/수 입 업 자 명 : MEAN WELL (GUANGZHOU) Electronics Co., Ltd. Huadu Branch
(Manufacturer/importer)

주 소 : No.11, Jingu South Road, Huadong Town, Huadu District, Guangzhou, P. R. China
(Address)

제 품 명 : 조명기구용컨버터(LED용)
(Product) (Electronic controlgear)

기 본 모 델 명 : XLG-150-L-AB
(Basic Model)

파 생 모 델 명 : XLG-150-L, XLG-150-L-A
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 165 W
(Rating) (Output: 0.7 A, Max. DC 225 V)

시 험 기 준 : KC61347-1(2015-09), KC61347-2-13(2015-09)
(Standard)

본 인증서는 제 조 국 명 : 중국
제 조 업 자 명 : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch
제조공장의 주소 : No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China
의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항, 제4항, 제10조제2항 또는 제15조제2항에 따라 안전인증서를 발급합니다.

We Issue This Safety Certificate for the above appliances in accordance with the Article 9(2), 9(4), 10(2) or 15(2) of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control Act.

2019 년 07 월 05 일
Year month day

한국산업기술시험원
KOREA TESTING LABORATORY



※ 이 인증서는 「전기용품 및 생활용품 안전관리법 시행규칙」에 따른 제품의 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류

1. 전기용품의 안전관리부품 및 재질목록(List of Critical Components)
2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)
3. 안전인증의 변경 현황 (Revisions Status)

□ 첨부 1 : 전기용품의 안전관리부품 및 재질목록
List of Critical Components

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Input cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F 3G0.75mm ² -1.0mm ²	AC 300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 3G1.0 mm ² -4mm ²	AC 450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3 x 1.0mm ²	AC 300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H07RN-F) 3 x 1.0mm ²	AC 450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 3Gx1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang ZhongjiaElectric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang ZhongjiaElectric Co., Ltd	60245 IEC 66(H07RN-F) 3x1.0mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co., Ltd	K60245 IEC 57 2C-5Cx0.75mm ² -2.5mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co., Ltd	60245 IEC 66 (H07RN-F) 3x1.0,1.5,1.5,4 mm ²	AC450/750/ V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5) x (1.0-2.5) mm ²	AC450/750/ V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5) x (0.75/1) mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5) x (1/1.5/2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2-3x0.75-1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC66 (07RN-F) 2-5x1.0-2.5mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T 4 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T 4 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T 4 A, 250 V or AC 300 V	VDE
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
X-Capacitors (C1)	Kemet (Arcotronics)	R.46	AC 275 V, 0.22 uF, 100 °C	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	AC 315 V, 0.22 uF, 100 °C	ENEC
(Alternative)	Iskra	KNR1530	AC 275 V, 0.22 uF, 100 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 0.22 uF, 100 °C	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 0.22 uF, 100 °C	VDE
(Alternative)	Pilkor	PCX2 335	AC 275 V, 0.22 uF, 100 °C	ENEC
(Alternative)	Pilkor	PCX2 337	AC 275 V, 0.22 uF, 100 °C	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 0.22 uF, 100 °C	VDE
(Alternative)	Shiny Space	SX1	AC 300 V, 0.22 uF, 105 °C	ENEC
(Alternative)	HUA JUNG	MKP	AC 250 V, 0.22 uF, 110 °C	ENEC
(Alternative)	Carli Electronics	MPX	AC 275/310 V, 0.22 uF, 100 °C	VDE
(Alternative)	Joey	MPX	AC 275 V, 0.22 uF, 100 °C	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.22 uF, 100 °C	VDE
(Alternative)	Okaya	LE	AC 250 V, 0.22 uF, 100 °C	ENEC
X-Capacitors (C2)	Kemet (Arcotronics)	R.46	AC 275 V, 0.47 uF, 100 °C	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	AC 315 V, 0.47 uF, 100 °C	ENEC
(Alternative)	Iskra	KNR1530	AC 275 V, 0.47 uF, 100 °C	VDE
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 0.47 uF, 100 °C	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 0.47 uF, 100 °C	VDE
(Alternative)	Pilkor	PCX2 335	AC 275 V, 0.47 uF, 100 °C	ENEC
(Alternative)	Pilkor	PCX2 337	AC 275 V, 0.47 uF, 100 °C	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 0.47 uF, 100 °C	VDE
(Alternative)	Shiny Space	SX1	AC 300 V, 0.47 uF, 105 °C	ENEC
(Alternative)	HUA JUNG	MKP	AC 250 V, 0.47 uF, 110 °C	ENEC
(Alternative)	Carli Electronics	MPX	AC 275/310 V, 0.47 uF, 100 °C	VDE
(Alternative)	Joey	MPX	AC 275 V, 0.47 uF, 100 °C	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.47 uF, 100 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Okaya	LE	AC 250 V, 0.47 uF, 100 °C	ENEC
Y-capacitor (C3, C4, C30)	Murata	KX	AC 250/300 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Guangdong Huiwan Electronics	AR	AC 500 V, 1 000 pF, 125 °C, Y1	VDE
(Alternative)	Walsin	AH	AC 250/400 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AS	AC 500 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	TDK	CD	AC 250/400 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 1 000 pF, 105 °C, Y1	VDE
Y-capacitor (C23)	Murata	KX	AC 250/300 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AH	AC 250/400 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AS	AC 500 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	TDK	CD	AC 250/400 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 100 pF, 105 °C, Y1	VDE
Y-capacitor (C31, C32)	Walsin	AC	AC 250 V, 2 200 pF, 105 °C, Y2	VDE
(Alternative)	Murata	KH, KY	AC 250 V, 2 200 pF, 105 °C, Y2	VDE
(Alternative)	TDK	CS	AC 250 V, 2 200 pF, 105 °C, Y2	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Welson	KL	AC 250 V, 2 200 pF, 105 °C, Y2	VDE
(Alternative)	VISHAY	338 6	AC 250 V, 2 200 pF, 105 °C, Y2	ENEC
Y-capacitor (C129, C130)	Walsin	AC	AC 250 V, 10 nF, 105 °C, Y2	VDE
(Alternative)	Murata	KH, KY	AC 250 V, 10 nF, 105 °C, Y2	VDE
(Alternative)	TDK	CS	AC 250 V, 10 nF, 105 °C, Y2	VDE
(Alternative)	Welson	KL	AC 250 V, 10 nF, 105 °C, Y2	VDE
(Alternative)	VISHAY	338 6	AC 250 V, 10 nF, 105 °C, Y2	ENEC
PCB	Junda	JD-D,JD-E	V-1, 105 °C	UL
(Alternative)	GUANGZHOU TAIHE	THS, THD	V-1, 105 °C	UL
(Alternative)	HONG SHIEN	03V-0, -D, -M	V-1, 105 °C	UL
(Alternative)	HSU TZU	4V0, DV2, MV1	V-1, 105 °C	UL
(Alternative)	JIIN-YU	JY-001, JY-003	V-1, 105 °C	UL
(Alternative)	Brite Plus	DGV0-3A	V-1, 105 °C	UL
(Alternative)	YANG MIN TECHNOLOGY LTD	76V0A	V-1, 105 °C	UL
(Alternative)	KUNSHAN WANYUANTONG ELECTRONIC TECHNOLOGY CO LTD	SWZ-1	V-1, 105 °C	UL
(Alternative)	GUANGDONG CHAOHUA	C-103, C-104	V-1, 105 °C	UL
(Alternative)	GUANGZHOU TAIHUA MULTILAYER CIRCUIT BOARD CO LTD	ST-01	Min. V-1, min. 105 °C	UL
(Alternative)	SUZHOU WUTONG ELECTRONICS CO LTD	GS-2	Min. V-1, min. 105 °C	UL
(Alternative)	JIANGSU DIFEIDA ELECTRONICS CO LTD	DFD-2	Min. V-1, min. 105 °C	UL
(Alternative)	HONG SHIEN	-D	Min. V-1, min. 105 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	KUNSHAN GUANGQIAN ELECTRONICS CO LTD	D, D1	Min. V-1, min. 105 °C	UL
Line Filter Choke(LF1)	MEAN WELL	TR-6164	130 °C	Tested with appliance
Line Filter Choke (LF2)	MEAN WELL	LF-6039	130 °C	Tested with appliance
Line Filter Choke (L1)	MEAN WELL	TR-623A	130 °C	Tested with appliance
Line Filter Choke (L2)	MEAN WELL	TF-6956	130 °C	Tested with appliance
-Winding of LF1, LF2 and L1, L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U(MW 75- C), UEWN/U(MW 28-C), UEWS/U(MW75 -C)	130 °C	Tested with appliance UL
Transformer (T1) for XLG-150-L, XLG-150-L-A	MEAN WELL Enterp rises Co., Ltd.	TF-6961	Class B	Tested with appliance
Transformer (T1) for XLG-150-L- AB	MEAN WELL Enterp rises Co., Ltd.	TF-6989	Class B	Tested with appliance
-Bobbin of T1, LF2, L1 and L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with appliance UL
-(Alternative)	E I Dupont DE Ne mours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
-(Alternative)	NAN YA	1403G3, 1403G 6	V-0, 130 °C	UL
-(Alternative)	CHANG CHUN PLA STICS CO LTD	T375J, T375HF	V-0, 150 °C	UL
-(Alternative)	SUMITOMO CHEMI CAL CO LTD	E4008	130 °C	UL
-(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9823	V-0, 150 °C	UL
-(Alternative)	CHANG CHUN PLA STICS CO LTD	T200HF	V-0, 150 °C	UL
-(Alternative)	CHANG CHUN PLA STICS CO LTD	T220NA	V-0, 150 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
-Triple insulation wire of T1	Furukawa	TEX-E	130 °C	Tested with appliance UL
-(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2 SX	130 °C	UL
-(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 °C	UL
-Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW 75-C)	130 °C	Tested with appliance UL
-Teflon tube	Great Holding Industrial Co., Ltd.	TFL, TFT, T FS	200 °C	Tested with appliance UL
-(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 °C	UL
-Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 °C	Tested with appliance UL
-(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 °C	UL
-(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1 1351-2(c)	130 °C	UL
-(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	130 °C	UL
-(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 °C	UL
-(Alternative)	E I DUPONT DE NEMOURS & CO INC	Nomex®410,411 , 414, 418	220 °C	UL
-(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 371F(a)	130 °C	UL
Photo coupler (U3, U4), (U602 only for AB type)	Sharp	PC3L57	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.3 mm, min. 110 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr. ≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr. ≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817, LTV-817M, LTV-817S	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr ≥ 8 mm, 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr= 8.0 mm, 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 mm, 115 °C	VDE
(Alternative)	Toshiba Corporation	TLP781F	Dti = 0.6 mm, Int. dcr.= 6.0 mm, Ext. dcr. ≥ 8.0 mm, 115 °C	VDE
(Alternative)	Everlight	EL817M	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr. ≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti ≥ 0.4 mm, Int. dcr.= 5.2 mm, Ext. dcr. ≥ 8.0 mm, min. 110 °C	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299, 5297	V-0, 150 °C	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	SYLGARD 160	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	TC-6011	V-0, 150 °C	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 °C	UL
(Alternative)	Riseast	SSTCP	V-0, 150 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 °C	UL
Insulation sheet between transformer core and primary circuit	Itw Electronics Components/ Products (Shanghai) Co., Ltd.	Formex N3- (b)(d)(e)(k)	Min. V-1, min. 130 °C, min. 0,2 mm thick, triple insulation	UL

☐ 유의사항 (Attention) :

1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등재를 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다.

As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.

2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 21 조제 1 항 또는 제 38 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다.

The Safety Certification will be cancelled under the Article 21(1), 38(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.

□ 첨부 2 : 기본모델 · 파생모델의 내용
Description of the basic and series model

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
XLG-150-L	Without dimming PCB, Dimming wire and rear cover
XLG-150-L-A	Without dimming PCB and Dimming wire
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-08-2 (2019.07.04.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 165 W, 2.0 A - Rated output current (I_{rated}) : 0.7 A - Rated output power (P_{rated}) : 150 W - Maximum output voltage(U_{OUT}) : DC 225 V - t_c : 90 °C, t_a : 55 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant current type, Independent, SELV controlgear - With Dimming PCB(B type), Dimming wire and Rear cover(Plastic cap) - This product is filled with potting compound - Metal enclosure used	
□ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 : BK 전략본부 인증관리센터 이 용노 / (02)860-1423 □ If you have any question on product review, please contact the person below : Job holder: BK Strategy Division Certification Management Center, Y.R.LEE/+82 2 8601-423	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
Not applicable

FP511-06