

접 수 번 호 : 19-032492-01-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-19002
(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-100-12-A
(Basic Model)

파 생 모 델 명 : XLG-100-12, XLG-100-24-A, XLG-100-24
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 110 W
(Rating) (Output: DC 12 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 06 월 28 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 (ZNR3, ZNR4)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 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.	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. 105 °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. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 105 °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	AC 350 V, DC 450 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561	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, 0.47 uF, 100 ℃	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	AC 310 V, 0.47 uF, 100 ℃	ENEC
(Alternative)	Iskra	KNR1530	AC 275 V, 0.47 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 275V, 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
(Alternative)	Okaya	LE	AC 250 V, 0.47 uF, 100 °C	ENEC
Y capacitor (C3, C4)	Murata	KX	AC 250/300 V, 470 pF, 105 °C	VDE
(Alternative)	Guangdong Huiwan Electronics	AR	Min. AC 500 V, 470 pF, 125 °C	VDE
(Alternative)	Walsin	AH	AC 250/400 V, 470 pF, 105 °C	VDE
(Alternative)	Walsin	AS	AC 500 V, 470 pF, 105 °C	VDE
(Alternative)	TDK	CD	AC 250/400 V, 470 pF, 105 °C	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 470 pF, 105 °C	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 470 pF, 105 °C	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 470 pF, 105 °C	VDE
(Alternative)	VISHAY	440L	AC 500 V, 470 pF, 105 °C	VDE
Y capacitor (C30)	Murata	KX	AC 250 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 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AS	AC 250 V, 1 000 pF, 105 °C, Y1	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	TDK	CD	AC 250 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Welson	WD	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 250 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 250 V, 1 000 pF, 105 °C, Y1	VDE
Y capacitor (C31, C32)	Murata	KX	AC 250 V, 2 200 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AH	AC 250 V, 2 200 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AS	AC 250 V, 2 200 pF, 105 °C, Y1	VDE
(Alternative)	TDK	CD	AC 250 V, 2 200 pF, 105 °C, Y1	VDE
(Alternative)	Welson	WD	AC 250 V, 2 200 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 2 200 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 250 V, 2 200 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 250 V, 2 200 pF, 105 °C, Y1	VDE
Y capacitor (C129, C130)	Walsin	AC	AC 250 V, 4 700 pF, 105 °C, Y2	VDE
(Alternative)	Murata	KH, KY	AC 250 V, 4 700 pF, 105 °C, Y2	VDE
(Alternative)	TDK	CS	AC 250 V, 4 700 pF, 105 °C, Y2	VDE
(Alternative)	Welson	KL	AC 250 V, 4 700 pF, 105 °C, Y2	VDE
(Alternative)	VISHAY	338 6	AC 250 V, 4 700 pF, 105 °C, Y2	ENEC
PCB	Junda	JD-D,JD-E	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	V-1, 105 °C	UL
Line Filter Choke (LF2)	MEAN WELL	TF-6039	130 °C	Tested with appliance
Line Filter Choke (L1)	MEAN WELL	DRGZ007G	130 °C	Tested with appliance
Line Filter Choke (L2)	MEAN WELL	F-6978	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-100-12, XLG-100-12-A	MEAN WELL Enterprises Co., Ltd.	TF-6965	Class B	Tested with appliance
Transformer (T1) for XLG-100-24, XLG-100-24-A	MEAN WELL Enterprises Co., Ltd.	TF-6966	Class B	Tested with appliance
-Bobbin of T1, LF2, L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with appliance 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

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-(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-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

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Photo coupler (U3, U4)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, 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	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE
(Alternative)	Lite-On	LTV-817M	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

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(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-100-12	Without rear cover
XLG-100-24-A	U_{rated} (DC 24 V)
XLG-100-24	U_{rated} (DC 24 V) and Without rear cover
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-01-2 (2019.06.28.) 2. Product Description: - Rated input: AC 100-240 V, 50/60 Hz, 110 W, 1.1 A - Rated output voltage (U_{rated}) : DC 12 V - Rated output power (P_{rated}) : 96 W - t_c : 90 °C, t_a : 60 °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 : 19-032492-02-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-19003
(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-100-H-AB
(Basic Model)

파 생 모 델 명 : XLG-100-H, XLG-100-H-A
(Series Model)

정격/안전기준상의 모델구분 : AC100-240 V, 50/60 Hz, 110 W
(Rating) (Output: 2.1 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 06 월 28 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 (ZNR3, ZNR4)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 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.	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. 105 °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. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 105 °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	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561	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, 0.47 uF, 100 °C	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	AC 310 V, 0.47 uF, 100 °C	ENEC
(Alternative)	Iskra	KNR1530	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)	Iskra	KNB1560	Min. AC 275V, 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
(Alternative)	Okaya	LE	AC 250 V, 0.47 uF, 100 °C	ENEC
Y capacitor (C3, C4)	Murata	KX	AC 250/300 V, 470 pF, 105 °C	VDE
(Alternative)	Guangdong Huiwan Electronics	AR	Min. AC 500 V, 470 pF, 125 °C	VDE
(Alternative)	Walsin	AH	AC 250/400 V, 470 pF, 105 °C	VDE
(Alternative)	Walsin	AS	AC 500 V, 470 pF, 105 °C	VDE
(Alternative)	TDK	CD	AC 250/400 V, 470 pF, 105 °C	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 470 pF, 105 °C	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 470 pF, 105 °C	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 470 pF, 105 °C	VDE
(Alternative)	VISHAY	440L	AC 500 V, 470 pF, 105 °C	VDE
Y capacitor (C30)	Murata	KX	AC 250 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 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AS	AC 250 V, 1 000 pF, 105 °C, Y1	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	TDK	CD	AC 250 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Welson	WD	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 250 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 250 V, 1 000 pF, 105 °C, Y1	VDE
Y capacitor (C31, C32)	Murata	KX	AC 250 V, 2 200 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AH	AC 250 V, 2 200 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AS	AC 250 V, 2 200 pF, 105 °C, Y1	VDE
(Alternative)	TDK	CD	AC 250 V, 2 200 pF, 105 °C, Y1	VDE
(Alternative)	Welson	WD	AC 250 V, 2 200 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 2 200 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 250 V, 2 200 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 250 V, 2 200 pF, 105 °C, Y1	VDE
Y capacitor (C129, C130)	Walsin	AC	AC 250 V, 4 700 pF, 105 °C, Y2	VDE
(Alternative)	Murata	KH, KY	AC 250 V, 4 700 pF, 105 °C, Y2	VDE
(Alternative)	TDK	CS	AC 250 V, 4 700 pF, 105 °C, Y2	VDE
(Alternative)	Welson	KL	AC 250 V, 4 700 pF, 105 °C, Y2	VDE
(Alternative)	VISHAY	338 6	AC 250 V, 4 700 pF, 105 °C, Y2	ENEC
PCB	Junda	JD-D,JD-E	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	V-1, 105 °C	UL
Line Filter Choke (LF2)	MEAN WELL	TF-6039	130 °C	Tested with appliance
Line Filter Choke (L1)	MEAN WELL	DRGZ007G	130 °C	Tested with appliance
Line Filter Choke (L2)	MEAN WELL	F-6978	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-100-H, XLG-100-H-A	MEAN WELL Enterprises Co., Ltd.	TF-6967	Class B	Tested with appliance
Transformer (T1) for XLG-100-H-AB	MEAN WELL Enterprises Co., Ltd.	TF-6968	Class B	Tested with appliance
-Bobbin of T1, LF2, L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with appliance 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

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	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-100-H-AB	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, 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	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 °C	VDE
(Alternative)	Lite-On	LTV-817M	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

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(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-100-H	Without Dimming PCB, Dimming wire and rear cover
XLG-100-H-A	Without Dimming PCB and Dimming wire
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-02-2 (2019.06.28.) 2. Product Description: - Rated input: AC 100-240 V, 50/60 Hz, 110 W, 1.1 A - Rated output current (I_{rated}) : 2.1 A - Rated output power (P_{rated}) : 100 W - Maximum output voltage(U-OUT) : DC 60 V - t_c : 90 °C, t_a : 60 °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 : 19-032492-03-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-19004
(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-100-L-AB
(Basic Model)

파 생 모 델 명 : XLG-100-L, XLG-100-L-A
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 110 W
(Rating) (Output: 0.7 A, Max. DC 149 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 06 월 28 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 (ZNR3, ZNR4)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 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.	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. 105 °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. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 105 °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	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561	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, 0.47 uF, 100 °C	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	AC 310 V, 0.47 uF, 100 °C	ENEC
(Alternative)	Iskra	KNR1530	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)	Iskra	KNB1560	Min. AC 275V, 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
(Alternative)	Okaya	LE	AC 250 V, 0.47 uF, 100 °C	ENEC
Y capacitor (C3, C4)	Murata	KX	AC 250/300 V, 470 pF, 105 °C	VDE
(Alternative)	Guangdong Huiwan Electronics	AR	Min. AC 500 V, 470 pF, 125 °C	VDE
(Alternative)	Walsin	AH	AC 250/400 V, 470 pF, 105 °C	VDE
(Alternative)	Walsin	AS	AC 500 V, 470 pF, 105 °C	VDE
(Alternative)	TDK	CD	AC 250/400 V, 470 pF, 105 °C	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 470 pF, 105 °C	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 470 pF, 105 °C	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 470 pF, 105 °C	VDE
(Alternative)	VISHAY	440L	AC 500 V, 470 pF, 105 °C	VDE
Y capacitor (C30)	Murata	KX	AC 250 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 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AS	AC 250 V, 1 000 pF, 105 °C, Y1	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	TDK	CD	AC 250 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Welson	WD	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 250 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 250 V, 1 000 pF, 105 °C, Y1	VDE
Y capacitor (C31, C32)	Murata	KX	AC 250 V, 2 200 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AH	AC 250 V, 2 200 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AS	AC 250 V, 2 200 pF, 105 °C, Y1	VDE
(Alternative)	TDK	CD	AC 250 V, 2 200 pF, 105 °C, Y1	VDE
(Alternative)	Welson	WD	AC 250 V, 2 200 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 2 200 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 250 V, 2 200 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 250 V, 2 200 pF, 105 °C, Y1	VDE
Y capacitor (C129, C130)	Walsin	AC	AC 250 V, 4 700 pF, 105 °C, Y2	VDE
(Alternative)	Murata	KH, KY	AC 250 V, 4 700 pF, 105 °C, Y2	VDE
(Alternative)	TDK	CS	AC 250 V, 4 700 pF, 105 °C, Y2	VDE
(Alternative)	Welson	KL	AC 250 V, 4 700 pF, 105 °C, Y2	VDE
(Alternative)	VISHAY	338 6	AC 250 V, 4 700 pF, 105 °C, Y2	ENEC
PCB	Junda	JD-D,JD-E	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	V-1, 105 °C	UL
Line Filter Choke (LF2)	MEAN WELL	TF-6039	130 °C	Tested with appliance
Line Filter Choke (L1)	MEAN WELL	DRGZ007G	130 °C	Tested with appliance
Line Filter Choke (L2)	MEAN WELL	F-6978	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-100-L, XLG-100-L-A	MEAN WELL Enterprises Co., Ltd.	TF-6969	Class B	Tested with appliance
Transformer (T1) for XLG-100-L-AB	MEAN WELL Enterprises Co., Ltd.	TF-6970	Class B	Tested with appliance
-Bobbin of T1, LF2, L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with appliance 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

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	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-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

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-100-L-AB	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, 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	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 °C	VDE
(Alternative)	Lite-On	LTV-817M	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

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(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-100-L	Without Dimming PCB, Dimming wire and rear cover
XLG-100-L-A	Without Dimming PCB and Dimming wire
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-03-2 (2019.06.28.) 2. Product Description: - Rated input: AC 100-240 V, 50/60 Hz, 110 W, 1.1 A - Rated output current (I_{rated}) : 0.7 A - Rated output power (P_{rated}) : 100 W - Maximum output voltage(U-OUT) : DC 149 V - t_c : 90 °C, t_a : 60 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant current type, Independent, Isolating 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