

접 수 번 호 : 23-043447-12-1
(Receipt No.)



안전인증서

Safety Certificate

안전인증번호 : SU11358-18015B
(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-50-AB
(Basic Model)

파생모델명 : XLG-50-A
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 60 W
(Rating) (output : Max. DC 57 V, 1.0 A)

시험기준 : KC61347-1(2022-02), KC61347-2-12(2022-02)
(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.

2023 년 09 월 08 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 Tawang Electronics Co LTD	60245 IEC 57(H05RN-F) 3Gx1.0 mm ²	AC 300 / 500 V, 3G 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, 3G 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, 3G x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F 3G0.75mm ² -1.0mm ²	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H07RN-F 3G1.0mm ² -4mm ²	AC450 / 750 V, 3G x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T3.15 A, 250 V or AC 300 V	VDE, TUV
(Alternative)	Walter	2010	T3.15 A, 250 V or AC 300 V	VDE, TUV
(Alternative)	Littelfuse	369	T3.15 A, 250 V or AC 300 V	VDE
Varistor (ZR 1, ZR2)	Thinking	TVR10561-M, TVR14561-M	AC 350 V, DC 450 V, 125 °C	VDE
(Alternative)	Thinking	TVR14511-M, TVR10511-M	AC 320 V, DC 410 V, 125 °C	VDE
(Alternative)	Thinking	TVR10471-M, TVR14471-M	AC 300 V, DC 385 V, 125 °C	VDE
(Alternative)	Huiwan	V-471K-10D(E)H, V-471K-14D(E)H	AC 300 V, DC 385 V, 125 °C	VDE
(Alternative)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H	AC 320 V, DC 410 V, 125 °C	VDE
(Alternative)	Huiwan	V-561K-10D(E)H, V-561K-14D(E)H	AC 350 V, DC 450 V, 125 °C	VDE
X Capacitors (C1, C2)	Kemet (Arcotronics)	R.46	Min. AC 250V, Min. 100 °C, Max.0.47 uF	ENEC
(Alternative)	Epcos	B3292#	Min. AC 250V, Min. 100 °C, Max.0.47 uF	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, Min. 100 °C, Max.0.47 uF	VDE
(Alternative)	Ultra Tech	HQX	Min. AC 250V, Min. 100 °C, Max.0.47 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)	HUA JUNG	MKP	Min. AC 250 V, Min. 100 °C, Max. 0.47 uF	ENEC
(Alternative)	Carli Electronics	MPX	Min. AC 250V, Min. 100 °C, Max.0.47 uF	VDE
(Alternative)	Joey	MPX	Min. AC 250 V, Min. 100 °C, Max. 0.47 uF	VDE
(Alternative)	NISSEI	MP1	Min. AC 250 V, Max. 0.47 uF, Min. 100 °C	VDE
Y-capacitor (C31)	Murata	KX	Min. AC 250 V, Max. 2200 pF, Min. 105 °C, Y1	VDE
(Alternative)	Walsin	AH	Min. AC 250 V, Max. 2200 pF, Min. 105 °C, Y1	VDE
(Alternative)	TDK	CD	Min. AC 250 V, Max. 2200 pF, Min. 105 °C, Y1	VDE
(Alternative)	VISHAY	VY1	Min. AC 250 V, Max. 2200 pF, Min. 105 °C, Y1	VDE
(Alternative)	Guangdong Huiwan Electronics	AR	Min. AC 250 V, Max. 2200 pF, Min. 105 °C, Y1	ENEC
(Alternative)	Wanming	HJ	Min. AC 250 V, Max. 2200 pF, Min. 125 °C, Y1	VDE
Y-capacitor (C30)	Murata	KX	Min. AC 250 V, Max. 2 200 pF, Min. 105 °C, Y1	VDE
(Alternative)	Murata	KH, KY	Min. AC 250 V, Max. 2 200 pF, Min. 105 °C, Y2	VDE
(Alternative)	Walsin	AH	Min. AC 250 V, Max. 2 200 pF, Min. 105 °C, Y1	VDE
(Alternative)	Walsin	AC	Min. AC 250 V, Max. 2 200 pF, Min. 105 °C, Y2	VDE
(Alternative)	Walsin	AS	Min. AC 250 V, Max. 2 200 pF, Min. 105 °C, Y1	VDE
(Alternative)	TDK	CD	Min. AC 250 V, Max. 2 200 pF, Min. 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	CS	Min. AC 250 V, Max. 2 200 pF, Min. 105 °C, Y2	VDE
(Alternative)	VISHAY	VY1	Min. AC 250 V, Max. 2 200 pF, Min. 105 °C, Y1	VDE
(Alternative)	Guangdong Huiwan Electronics Technology Co., LTD.	AB	Min. AC 250 V, Max. 2 200 pF, Min. 125 °C, Y2	VDE
(Alternative)	Guangdong Huiwan Electronics Technology Co., LTD.	AR	Min. AC 250 V, Max. 2 200 pF, Min. 125 °C, Y1	VDE
(Alternative)	Wanming	HJ	Min. AC 250 V, Max. 2 200 pF, Min. 125 °C, Y1	VDE
(Alternative)	Wanming	HM	Min. AC 250 V, Max. 2 200 pF, Min. 125 °C, Y1	VDE
Y-capacitor (C3, C4)	Murata	KX	Min. AC 250 V, Max. 1 500 pF, Min. 105 °C, Y1	VDE
(Alternative)	Murata	KH, KY	Min. AC 250 V, Max. 1 500 pF, Min. 105 °C, Y2	VDE
(Alternative)	Walsin	AH	Min. AC 250 V, Max. 1 500 pF, Min. 105 °C, Y1	VDE
(Alternative)	Walsin	AC	Min. AC 250 V, Max. 1 500 pF, Min. 105 °C, Y2	VDE
(Alternative)	Walsin	AS	Min. AC 250 V, Max. 1 500 pF, Min. 105 °C, Y1	VDE
(Alternative)	TDK	CD	Min. AC 250 V, Max. 1 500 pF, Min. 105 °C, Y1	VDE
(Alternative)	TDK	CS	Min. AC 250 V, Max. 1 500 pF, Min. 105 °C, Y2	VDE
(Alternative)	VISHAY	VY1	Min. AC 250 V, Max. 1 500 pF, Min. 105 °C, Y1	VDE
(Alternative)	Wanming	HJ	Min. AC 250 V, Max. 1 500 pF, Min. 125 °C, Y1	VDE
(Alternative)	Wanming	HM	Min. AC 250 V, Max. 1 500 pF, Min. 125 °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)	Guangdong Huiwan Electronics Technology Co., LTD.	AB	AC 300 V, 470 pF, Min. 125 °C, Y2	VDE
(Alternative)	Guangdong Huiwan Electronics Technology Co., LTD.	AR	AC 500 V, 470 pF, Min. 125 °C, Y1	VDE
PCB	Junda	JD-D,JD-E	Min. V-1, 105 °C	Tested with appliance, UL
(Alternative)	Junda	JD-D1	Min. V-1, 105 °C	Tested with appliance, UL
(Alternative)	CHANGZHOU AOHONG	AOH-2, AOH-8	Min.V-0, 105 °C	Tested with appliance, UL
(Alternative)	CHANGZHOU HAIHONG	CCE-V0, HDCEM1	Min.V-0, 105 °C	Tested with appliance, UL
(Alternative)	Tai He PCB Company Limited	THS, THD1	Min. V-1, 130 °C	Tested with appliance, UL
(Alternative)	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	DS-206T, ML-401	Min. V-0, 130 °C	Tested with appliance, UL
(Alternative)	HONG SHIEN	03V-0, -D, -M	Min. V-1, 105 °C	UL
(Alternative)	HSU TZU	4V0, DV2, MV1	Min. V-1, 105 °C	UL
(Alternative)	JIIN-YU	JY-001, JY-003	Min. V-1, 105 °C	UL
(Alternative)	SHANGHAI WANZHENG	SWZ-1	Min. V-1, 105 °C	UL
(Alternative)	GUANGDONG CHAOHUA	C-103, C-104	Min. V-1, 105 °C	UL
Line Filter Choke (LF1)	MEAN WELL	LF-6034	130 °C	Tested with appliance
Line Filter Choke (L1)	MEAN WELL	DRGZ006F	130 °C	Tested with appliance
Line Filter Choke (L2)	MEAN WELL	TF-6953	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
-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 (SHENZHEN) CO LTD	UEW/U(MW 75-C), UEWN/U(MW 28-C), UEWS/U(MW75-C)	155 °C	Tested with appliance, UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD	UEFN/U@, UEWN/U@ (MW 80-C)	130 °C	Tested with appliance, UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD	UEW(MW 75-C), UEW-U (MW 75-C), UEW/NY (MW28-C)	130 °C	Tested with appliance, UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD	A-UEW/NY (MW 80-A)	155 °C	Tested with appliance, UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U (MW 75-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	Tested with appliance, UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	Tested with appliance, UL
(Alternative)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	Tested with appliance, UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD	TYTUN-B130(MW 28-C)	130 °C	Tested with appliance, UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD	TYTUN-B130(MW 80-C)	155 °C	Tested with appliance, UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-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)	TAI- I ELECTRIC WIRE & CABLE CO LTD	UEWE(MW 28-C)	130 °C	Tested with appliance, UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY	UEWN(MW 28-C)	130 °C	Tested with appliance, UL
(Alternative)	FENG CHING METAL CORP	xUEW-NY(MW 28-C)	130 °C	Tested with appliance, UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U(MW 80-C), UEFN/U(MW 80-C), PEWN/U(MW 24-C)	155 °C	Tested with appliance, UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	Tested with appliance, UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C), PEW(MW5-C), PEW/NL(MW76-C)	155 °C	Tested with appliance, 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	Tested with appliance, UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)	155 °C	Tested with appliance, UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD	TYFU-H180(UEW/QA-H) (MW 82-C)	180 °C	Tested with appliance, UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE CO LTD	UEWF-E(MW 80-C), FTW(MW 5-C)	155 °C	Tested with appliance, UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C), xUEW-F(MW 79-C)	155 °C	Tested with appliance, UL
(Alternative)	FENG CHING METAL CORP	xFSW-NY(MW 80-C), xFSW(MW 79-C)	155 °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 (SHENZHEN) CO LTD.	PEWH/U (MW 30-C)	180 °C	Tested with appliance, UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD	SS-NY(U)(MW 76-C)	180 °C	Tested with appliance, UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 82-C), UEW/NY(MW 83-C), PEW/NL(MW 76-C)	180 °C	Tested with appliance, UL
(Alternative)	JUNG SHING WIRE CO LTD	SF.EIW@(MW 77-C), UEYT@(MW 83-C), EISVW, ESVR(MW 76-C)	180 °C	Tested with appliance, UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE CO LTD	EIW (MW 30-C), SMEIW(MW 77-C)	180 °C	Tested with appliance, UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY	x-EIW or x-EIW/NY (MW 30-C)	180 °C	Tested with appliance, UL
(Alternative)	FENG CHING METAL CORP.	xEIW (MW 77-C)	180 °C	Tested with appliance, UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	FIW(MW 85-C)	180 °C	Tested with appliance, UL
(Alternative)	HUIZHOU CITY DENGGAODA ELLCTROTECH CO LTD.	FIW 180(MW 85-C)	180 °C	Tested with appliance, UL
(Alternative)	ELEKTRISOLA INC	P180 FIW(MW 85-C)	180 °C	Tested with appliance, UL
(Alternative)	WELL ASCENT ELECTRONIC(GANZHOU) CO LTD	SFT-UEW(MW 75-C)	180 °C	Tested with appliance, UL
(Alternative)	WELL ASCENT ELECTRONIC(GANZHOU) CO LTD	SFT-UEWF(MW 79-C)	155 °C	Tested with appliance, UL

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(Alternative)	WELL ASCENT ELECTRONIC(GANZHOU) CO LTD	xUEWH(MW 82-C)	180 °C	Tested with appliance, UL
(Alternative)	TA YU ENTERPRISE CO LTD	UEW-H(MW 82-C)	180 °C	Tested with appliance, UL
Transformer (T1) for XLG-50-A	MEAN WELL Enterprises Co., Ltd.	TF-6925	Class B	Tested with appliance
(Alternative)	JET SIGNAL INDUSTRIES CO LTD	TF-6925	Class B	Tested with appliance
(Alternative)	LONG SAIL ELECTRONIC CO LTD	TF-6925	Class B	Tested with appliance
(Alternative)	YU JING TECHNOLOGY CO LTD	TF-6925	Class B	Tested with appliance
Transformer (T1) for XLG-50-AB	MEAN WELL Enterprises Co., Ltd.	TF-6924	Class B	Tested with appliance
(Alternative)	JET SIGNAL INDUSTRIES CO LTD	TF-6924	Class B	Tested with appliance
(Alternative)	LONG SAIL ELECTRONIC CO LTD	TF-6924	Class B	Tested with appliance
(Alternative)	YU JING TECHNOLOGY CO LTD	TF-6924	Class B	Tested with appliance
-Bobbin of T1, T500	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
-Triple insulation wire of T1, T500	Furukawa	TEX-E	130 °C	Tested with appliance, UL

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-(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2SX	130 °C	UL
-(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 °C	UL
-(Alternative)	Great Leoflon Industrial Co Ltd	TRW(B)- M series	130 °C	UL
-(Alternative)	Great Leoflon Industrial Co Ltd	TRW(F)-M series	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
-(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD	UEFN/U@, UEWN/U@ (MW 80-C)	155 °C	Tested with appliance, UL
-(Alternative)	FENG CHING METAL CORP	xUEW-NY(MW 28-C)	130 °C	Tested with appliance, UL
-(Alternative)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	155 °C	Tested with appliance, UL
-(Alternative)	JUNG SHING WIRE CO LTD	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	Tested with appliance, UL
-(Alternative)	JUNG SHING WIRE CO LTD	SFBW-2@ (MW 79-C), SFBY-2@ (a)(MW 80-C), SFFW-2@(MW 79-C)	155 °C	Tested with appliance, UL
-(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD	DD(MW 75-C), DD-NYU(MW 28-C)	130 °C	Tested with appliance, UL
-(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD	DDF-NY(MW 80-C)	155 °C	Tested with appliance, UL
-(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD	UEW (MW 75-C), UEW-U(MW 75-C)	130 °C	Tested with appliance, UL
-(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD	A-UEW/NY(MW 80-A)	155 °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)	TA YA (VIETNAM) ELECTRIC WIRE & CABLE J S CO	TYTUN-B130(MW 28-C)	130℃	Tested with appliance, UL
-(Alternative)	TA YA (VIETNAM) ELECTRIC WIRE & CABLE J S CO	TYTUN-B130(MW 80-C)	155℃	Tested with appliance, UL
-(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD	TYTUN- B130(UEWNY/Q(A/X)- B,F)(MW 28-C)	130℃	Tested with appliance, UL
-(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD	TYTUN- B130(UEWNY/Q(A/X)- B,F)(MW 80-C)	155℃	Tested with appliance, UL
-(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD	TYFU-H180(UEW/QA- H)(MW 82-C)	180℃	Tested with appliance, UL
-(Alternative)	TAI-I COPPER (GUANZHOU) CO LTD	UEWF-E (MW 80-C)	155℃	Tested with appliance, UL
-(Alternative)	TAI-I COPPER (GUANZHOU) CO LTD	UEWE (MW 28-C)	130℃	Tested with appliance, UL
-(Alternative)	TAI-I ELECTRIC WIRE & CABLE CO LTD	UEWF-E(MW 80-C)	155℃	Tested with appliance, UL
-(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY	UEWN(MW 28-C)	130℃	Tested with appliance, UL
-(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY	UEWNF (MW 80-C)	155℃	Tested with appliance, UL
-(Alternative)	WELL ASCENT ELECTRONIC(GANZHOU) CO LTD	SFT-UEW(MW 75-C)	130℃	Tested with appliance, UL
-(Alternative)	WELL ASCENT ELECTRONIC(GANZHOU) CO LTD	SFT-UEWF(MW 79-C)	155℃	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)	WELL ASCENT ELECTRONIC(GANZHOU) CO LTD	xUEWH(MW 82-C)	180 ℃	Tested with appliance, UL
-(Alternative)	TA YU ENTERPRISE CO LTD	UEW-H(MW 82-C)	180 ℃	Tested with appliance, UL
-(Alternative)	TAI- I ELECTRIC WIRE & CABLE CO LTD	FIW(MW 85-C)	180 ℃	Tested with appliance, UL
-(Alternative)	HUIZHOU CITY DENGGAODA ELLCTROTECH CO LTD.	FIW 180(MW 85-C)	180 ℃	Tested with appliance, UL
-(Alternative)	ELEKTRISOLA INC	P180 FIW(MW 85-C)	180 ℃	Tested with appliance, UL
-Teflon tube	Great Holding Industrial Co., Ltd.	TFL,TFT,TFS	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, T500	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), No371F(a)	130 ℃	UL
-(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T- 1(b), 1350T-3(b), 1318-1	130 ℃	UL
-(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a), 35661(c),	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)	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 ℃	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
-(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1318-1(a), 1350F-1(b), 1350T-1(b), 1350T-2(b), 1350T-3(b), 1351T-1(a), 1351T-2(a), 44(a), 56(a), 44, 44D, 44D-A, 44-T, 44T-A	130 °C	UL
Photo coupler (U3)	Lite-On	LTV-1006, LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817, LTV817M, 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.≥ 8.0mm, min. 100 °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

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.

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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-50-A	Without dimming wire and dimming PCB
제품특기사항 및 시험조건 Remarks & Test conditions	
<p>1. Review Ref. No.: 18-075375-01-2 (2019.04.26.)</p> <p>2. Product Description:</p> <ul style="list-style-type: none"> - Rated input : AC 100-240 V, 50/60 Hz, 60 W, 0.62 A - Rated output current (I_{rated}) : 1.0 A - Rated output power (P_{rated}) : 50 W - Maximum output voltage(U-OUT) : DC 57 V - tc: 90 °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 wire, with dimming PCB(B type) and Rear cover(Plastic cap) - This product is filled with potting compound - Metal enclosure used 	
<p>□ 본 제품의 검토내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토담당자 / 연락처 : 고객지원본부 인증융합평가센터 장 재용 / 02-860-1137</p> <p>□ <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</p>	

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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 (21-080534-18-1 : 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				
2 nd Rev.) change of components and KC standards updated (23-043447-12-1 : 2023.09.08.)				
based on CB Certificate Ref. No.: NL-89329 (DEKRA Certification B.V) and CB report No., 4904961.50 (DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)				
- KC standards updated to KC61347-1(2022-02), KC61347-2-12(2022-02)				
- Delete "Zheng Yu" from Input cord				
- Delete "R.49" "KNB1530" "KNB1560" "PCX2 335" "PCX2 337" "SX1" "MKP92" "LE" from X Capacitors (C1,C2)				
- X Capacitors(C1,C2) rating update: Min.AC 250V, Max. 0.47 uF,				
- Delete "WD" "WKP" "440L" from Y Capacitors (C31)				
- Y Capacitors(C31) rating update: Min. AC 250 V, Max. 2200 pF				
- Delete "WD" "KL" "WKP" "440L" "338 6" from Y Capacitors (C30)				
- Y Capacitors(C30) rating update: Min. AC 250 V ,Max.2200 Pf				
- Delete "WD" "KL" "WKP" "440L" "338 6" from Y Capacitors (C3,C4)				
- Y Capacitors(C3,C4) rating update: Min. AC 250 V, Max. 1500 pF				
- Delete "Brite Plus", "HSIANG KUO", "GUANGZHOU TAIHE" from PCB, PCB rating update: Min. V-1 or Min. V-0				
- Add below new components:				
Component (Part no.)	Manufacturer(Brand)	Model	Rating	Tested by
Input cord	Dongguan Tawang Electronics Co LTD	60245 IEC 57(H05 RN-F) 3Gx1.0mm ²	AC 300 / 500 V, 3G x 1.0 mm ²	KC
Varistor (ZR 1, ZR2)	Huiwan	V-471K-10D(E)H, V-471K-14D(E)H	AC 300 V, DC 385 V, 125 °C	VDE
Varistor (ZR 1, ZR2)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H	AC 320 V, DC 410 V, 125 °C	VDE

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Varistor (ZR 1, ZR2)	Huiwan	V-561K-10D(E)H, V-561K-14D(E)H	AC 350 V, DC 450 V, 125 °C	VDE
X Capacitors (C1, C2)	NISSEI	MP1	Min. AC 250 V, Max. 0.47 uF, Min. 100 °C	VDE
Y-capacitor (C31)	Wanming	HJ	Min. AC 250 V, Max. 2200 pF, Min. 125 °C, Y1	VDE
Y-capacitor (C30)	Wanming	HJ	Min. AC 250 V, Max. 2200 pF, Min. 125 °C, Y1	VDE
Y-capacitor (C30)	Wanming	HM	Min. AC 250 V, Max. 2200 pF, Min. 125 °C, Y1	VDE
Y-capacitor (C3, C4)	Wanming	HJ	Min. AC 250 V, Max. 1500 pF, Min. 125 °C, Y1	VDE
Y-capacitor (C3, C4)	Wanming	HM	Min. AC 250 V, Max. 1500 pF, Min. 125 °C, Y1	VDE
PCB	Junda	JD-D1	Min. V-1, 105 °C	Tested with appliance, UL
PCB	CHANGZHOU AOHONG	AOH-2, AOH-8	Min.V-0, 105 °C	Tested with appliance, UL
PCB	CHANGZHOU HAIHONG	CCE-V0, HDCEM1	Min.V-0, 105 °C	Tested with appliance, UL
PCB	Tai He PCB Company Limited	THS, THD1	Min. V-1, 130 °C	Tested with appliance, UL
PCB	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	DS-206T, ML-401	Min. V-0, 130 °C	Tested with appliance, UL

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-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)	155 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD	UEFN/U@, UEWN/U@ (MW 80-C)	130 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD	UEW(MW 75-C), UEW-U (MW 75-C), UEW/NY (MW28-C)	130 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD	A-UEW/NY (MW 80-A)	155 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U (MW 75-C)	130 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD	DD(MW 75-C), DD-NYU(MW 28-C)	130 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	TA YA ELECTRIC WIRE & CABLE CO LTD	TYTUN-B130(MW 28-C)	130 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	TA YA ELECTRIC WIRE & CABLE CO LTD	TYTUN-B130(MW 80-C)	155 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	TA YA ELECTRIC WIRE & CABLE CO LTD	TYTUN-B130(UEW NY/Q(A/X)-B,F)(MW 28-C)	130 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	TAI- I ELECTRIC WIRE & CABLE CO LTD	UEWE(MW 28-C)	130 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY	UEWN(MW 28-C)	130 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	FENG CHING META	xUEW-NY(MW 28-C)	130 °C	Tested with

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	L CORP			appliance, UL
-Winding of LF1, LF2 and L1, L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U(MW 80-C), UEFN/U(MW 80-C), PEWN/U(MW 24-C)	155 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C), PEW(MW5-C), PEW/NL(MW76-C)	155 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	JUNG SHING WIRE CO LTD	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	155 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	TA YA ELECTRIC WIRE & CABLE CO LTD	TYTUN-B130(UEW NY/Q(A/X)-B,F)(MW 80-C)	155 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	TA YA ELECTRIC WIRE & CABLE CO LTD	TYFU-H180(UEW/QA-H) (MW 82-C)	180 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	TAI- I ELECTRIC WIRE & CABLE CO LTD	UEWF-E(MW 80-C), FTW(MW 5-C)	155 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C), xUEW-F(MW 79-C)	155 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	FENG CHING METAL CORP	xFSW-NY(MW 80-C), xFSW(MW 79-C)	155 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	PEWH/U (MW 30-C)	180 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD	SS-NY(U)(MW 76-C)	180 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 82-C), UEW/NY(MW 83-C), PEW/NL(MW 76-C)	180 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	JUNG SHING WIRE CO LTD	SF.EIW@(MW 77-C), UEYT@(MW 83-C), EISVW, ESVR (MW 76-C)	180 °C	Tested with appliance, UL

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-Winding of LF1, LF2 and L1, L2	TAI- I ELECTRIC WIRE & CABLE CO LTD	EIW (MW 30-C), S MEIW(MW 77-C)	180 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY	x-EIW or x-EIW/NY (MW 30-C)	180 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	FENG CHING METAL CORP.	xEIW (MW 77-C)	180 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	TAI- I ELECTRIC WIRE & CABLE CO LTD.	FIW(MW 85-C)	180 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	HUIZHOU CITY DENGGAODA ELECTROTECH CO LTD.	FIW 180(MW 85-C)	180 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	ELEKTRISOLA INC	P180 FIW(MW 85-C)	180 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	WELL ASCENT ELECTRONIC(GANZHOU) CO LTD	SFT-UEW(MW 75-C)	180 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	WELL ASCENT ELECTRONIC(GANZHOU) CO LTD	SFT-UEWF(MW 79-C)	155 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	WELL ASCENT ELECTRONIC(GANZHOU) CO LTD	xUEWH(MW 82-C)	180 °C	Tested with appliance, UL
-Winding of LF1, LF2 and L1, L2	TA YU ENTERPRISE CO LTD	UEW-H(MW 82-C)	180 °C	Tested with appliance, UL
-Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD	UEFN/U@, UEWN/U@ (MW 80-C)	155 °C	Tested with appliance, UL
-Winding of transformer (T1)	FENG CHING METAL CORP	xUEW-NY(MW 28-C)	130 °C	Tested with appliance, UL
-Winding of transformer (T1)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	155 °C	Tested with appliance, UL
-Winding of transformer (T1)	JUNG SHING WIRE CO LTD	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	Tested with appliance, UL
-Winding of transformer (T1)	JUNG SHING WIRE CO LTD	SFBW-2@ (MW 79-C), SFBY-2@ (a)	155 °C	Tested with appliance, UL

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		(MW 80-C), SFFW-2@(MW 79-C)		appliance, UL
-Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE CO LTD	DD(MW 75-C), DD-NYU(MW 28-C)	130℃	Tested with appliance, UL
-Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE CO LTD	DDF-NY(MW 80-C)	155℃	Tested with appliance, UL
-Winding of transformer (T1)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD	UEW (MW 75-C), UEW-U(MW 75-C)	130℃	Tested with appliance, UL
-Winding of transformer (T1)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD	A-UEW/NY(MW 80-A)	155℃	Tested with appliance, UL
-Winding of transformer (T1)	TA YA (VIETNAM) ELECTRIC WIRE & CABLE J S CO	TYTUN-B130(MW 28-C)	130℃	Tested with appliance, UL
-Winding of transformer (T1)	TA YA (VIETNAM) ELECTRIC WIRE & CABLE J S CO	TYTUN-B130(MW 80-C)	155℃	Tested with appliance, UL
-Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD	TYTUN-B130(UEW NY/Q(A/X)-B,F)(MW 28-C)	130℃	Tested with appliance, UL
-Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD	TYTUN-B130(UEW NY/Q(A/X)-B,F)(MW 80-C)	155℃	Tested with appliance, UL
-Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD	TYFU-H180(UEW/QA-H)(MW 82-C)	180℃	Tested with appliance, UL
-Winding of transformer (T1)	TAI-I COPPER (GUANZHOU) CO LTD	UEWF-E (MW 80-C)	155℃	Tested with appliance, UL
-Winding of transformer (T1)	TAI-I COPPER (GUANZHOU) CO LTD	UEWE (MW 28-C)	130℃	Tested with appliance, UL
-Winding of transformer (T1)	TAI-I ELECTRIC WIRE & CABLE CO LTD	UEWF-E(MW 80-C)	155℃	Tested with appliance, UL
-Winding of transformer (T1)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY	UEWN(MW 28-C)	130℃	Tested with appliance, UL
-Winding of transformer (T1)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY	UEWNF (MW 80-C)	155℃	Tested with appliance, UL

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-Winding of transformer (T1)	WELL ASCENT ELECTRONIC(GANZHOU) CO LTD	SFT-UEW(MW 75-C)	130℃	Tested with appliance, UL
-Winding of transformer (T1)	WELL ASCENT ELECTRONIC(GANZHOU) CO LTD	SFT-UEWF(MW 79-C)	155℃	Tested with appliance, UL
-Winding of transformer (T1)	WELL ASCENT ELECTRONIC(GANZHOU) CO LTD	xUEWH(MW 82-C)	180℃	Tested with appliance, UL
-Winding of transformer (T1)	TA YU ENTERPRISE CO LTD	UEW-H(MW 82-C)	180℃	Tested with appliance, UL
-Winding of transformer (T1)	TAI- I ELECTRIC WIRE & CABLE CO LTD	FIW(MW 85-C)	180℃	Tested with appliance, UL
-Winding of transformer (T1)	HUIZHOU CITY DENGGAODA ELECTROTECH CO LTD.	FIW 180(MW 85-C)	180℃	Tested with appliance, UL
-Winding of transformer (T1)	ELEKTRISOLA INC	P180 FIW(MW 85-C)	180℃	Tested with appliance, UL
Potting compound	Linktech Silicone Material Co LTD	EncapSil 1400	V-0,150℃	UL

FP511-06

접수번호 : 21-080534-18-1
(Receipt No.)



안전인증서

Safety Certificate

안전인증번호 : SU11358-18015A
(Certificate No.)

제조사/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-50-AB
(Basic Model)

파생모델명 : XLG-50-A
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 60 W
(Rating) (output : Max. DC 57 V, 1.0 A)

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

본 인증서는 제조국명 : 중국
제조사명 : 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) for 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)
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□ 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	Zheng Yu Electric Appliance Fittings (Kunshan) Co., Ltd.	60245 IEC 57(H05RN-F) 3Gx1.0 mm ²	AC 300 / 500 V, 3G 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, 3G 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, 3G x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F 3G0.75mm ² - 1.0mm ²	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H07RN-F 3G1.0mm ² -4mm ²	AC450 / 750 V, 3G x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T3.15 A, 250 V or AC 300 V	VDE, TUV
(Alternative)	Walter	2010	T3.15 A, 250 V or AC 300 V	VDE, TUV
(Alternative)	Littelfuse	369	T3.15 A, 250 V or AC 300 V	VDE
Varistor (ZR 1, ZR2)	Thinking	TVR10561-M, TVR14561-M	AC 350 V, DC 450 V, 125 °C	VDE
(Alternative)	Thinking	TVR14511-M, TVR10511-M	AC 320 V, DC 410 V, 125 °C	VDE
(Alternative)	Thinking	TVR10471-M, TVR14471-M	AC 300 V, DC 385 V, 125 °C	VDE
X Capacitors (C1, C2)	Kemet (Arcotronics)	R.46	Min. AC 275 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	Min. AC 310 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	ENEC
(Alternative)	Epcos	B3292#	Min. AC 275 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	VDE
(Alternative)	Iskra	KNB1530	Min. AC 275 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	VDE
(Alternative)	Iskra	KNB1560	Min. AC 275 V, Min. 100 °C, C1=0.33 uF, C2=0.1 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)	Liow Gu	GS-L	AC 275 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	VDE
(Alternative)	Pilkor	PCX2 335	Min. AC 275 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	ENEC
(Alternative)	Pilkor	PCX2 337	Min. AC 275 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 275 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	VDE
(Alternative)	Shiny Space	SX1	AC 300 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	ENEC
(Alternative)	HUA JUNG	MKP	AC 305 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	ENEC
(Alternative)	Carli Electronics	MPX	Min. AC 275 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	VDE
(Alternative)	Joey	MPX	AC 275 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	VDE
(Alternative)	Okaya	LE	Min. AC 250 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	ENEC
Y-capacitor (C31)	Murata	KX	Min. AC 250 V, 1 500 pF, Min. 105 °C, Y1	VDE
(Alternative)	Walsin	AH	Min. AC 250 V, 1 500 pF, Min. 105 °C, Y1	VDE
(Alternative)	TDK	CD	Min. AC 250 V, 1 500 pF, Min. 105 °C, Y1	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 1 500 pF, Min. 105 °C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 500 V, 1 500 pF, Min. 105 °C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 1 500 pF, Min. 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 1 500 pF, Min. 105 °C, Y1	VDE
(Alternative)	Guangdong Huiwan Electronics	AR	AC 500 V, 1 500 pF, Min. 125 °C, Y1	ENEC
Y-capacitor (C30)	Murata	KX	Min. AC 250 V, 2 200 pF, Min. 105 °C, Y1	VDE
(Alternative)	Murata	KH, KY	Min. AC 250 V, 2 200 pF, Min. 105 °C, Y2	VDE
(Alternative)	Walsin	AH	Min. AC 250 V, 2 200 pF, Min. 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)	Walsin	AC	Min. AC 250 V, 2 200 pF, Min. 105 °C, Y2	VDE
(Alternative)	Walsin	AS	AC 500 V, 2 200 pF, Min. 105 °C, Y1	VDE
(Alternative)	TDK	CD	Min. AC 250 V, 2 200 pF, Min. 105 °C, Y1	VDE
(Alternative)	TDK	CS	Min. AC 250 V, 2 200 pF, Min. 105 °C, Y2	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 2 200 pF, Min. 105 °C, Y1	VDE
(Alternative)	Welson	KL	Min. AC 250 V, 2 200 pF, Min. 105 °C, Y2	VDE
(Alternative)	VISHAY	VY1	AC 500 V, 2 200 pF, Min. 105 °C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 2 200 pF, Min. 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 2 200 pF, Min. 105 °C, Y1	VDE
(Alternative)	VISHAY	338 6	AC 300 V, 2 200 pF, Min. 105 °C, Y1	ENEC
(Alternative)	Guangdong Huiwan Electronics Technology Co., LTD.	AB	AC 300 V, 2 200 pF, Min. 125 °C, Y2	VDE
(Alternative)	Guangdong Huiwan Electronics Technology Co., LTD.	AR	AC 500 V, 2 200 pF, Min. 125 °C, Y1	VDE
Y-capacitor (C3, C4)	Murata	KX	Min. AC 250 V, 470 pF, Min. 105 °C, Y1	VDE
(Alternative)	Murata	KH, KY	Min. AC 250 V, 470 pF, Min. 105 °C, Y2	VDE
(Alternative)	Walsin	AH	Min. AC 250 V, 470 pF, Min. 105 °C, Y1	VDE
(Alternative)	Walsin	AC	Min. AC 250 V, 470 pF, Min. 105 °C, Y2	VDE
(Alternative)	Walsin	AS	AC 500 V, 470 pF, Min. 105 °C, Y1	VDE
(Alternative)	TDK	CD	Min. AC 250 V, 470 pF, Min. 105 °C, Y1	VDE
(Alternative)	TDK	CS	Min. AC 250 V, 470 pF, Min. 105 °C, Y2	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 470 pF, Min. 105 °C, Y1	VDE
(Alternative)	Welson	KL	Min. AC 250 V, 470 pF, Min. 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)	VISHAY	VY1	AC 500 V, 470 pF, Min. 105 °C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 470 pF, Min. 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 470 pF, Min. 105 °C, Y1	VDE
(Alternative)	VISHAY	338 6	AC 300 V, 470 pF, Min. 105 °C, Y1	ENEC
(Alternative)	Guangdong Huiwan Electronics Technology Co., LTD.	AB	AC 300 V, 470 pF, Min. 125 °C, Y2	VDE
(Alternative)	Guangdong Huiwan Electronics Technology Co., LTD.	AR	AC 500 V, 470 pF, Min. 125 °C, Y1	VDE
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
(Alternative)	Brite Plus	DGV0-3A	V-1, 105 °C	UL
(Alternative)	HSIANG KUO	76V0A	V-1, 105 °C	UL
(Alternative)	SHANGHAI WANZHENG	SWZ-1	V-1, 105 °C	UL
(Alternative)	GUANGDONG CHAOHUA	C-103, C-104	V-1, 105 °C	UL
Line Filter Choke (LF1)	MEAN WELL	LF-6034	130 °C	Tested with appliance
Line Filter Choke (L1)	MEAN WELL	DRGZ006F	130 °C	Tested with appliance
Line Filter Choke (L2)	MEAN WELL	TF-6953	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

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- 50-A	MEAN WELL Enterprises Co., Ltd.	TF-6925	Class B	Tested with appliance
(Alternative)	JET SIGNAL INDUSTRIES CO LTD	TF-6925	Class B	Tested with appliance
(Alternative)	LONG SAIL ELECTRONIC CO LTD	TF-6925	Class B	Tested with appliance
(Alternative)	YU JING TECHNOLOGY CO LTD	TF-6925	Class B	Tested with appliance
Transformer (T1) for XLG- 50-AB	MEAN WELL Enterprises Co., Ltd.	TF-6924	Class B	Tested with appliance
(Alternative)	JET SIGNAL INDUSTRIES CO LTD	TF-6924	Class B	Tested with appliance
(Alternative)	LONG SAIL ELECTRONIC CO LTD	TF-6924	Class B	Tested with appliance
(Alternative)	YU JING TECHNOLOGY CO LTD	TF-6924	Class B	Tested with appliance
-Bobbin of T1, T500	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
-Triple insulation wire of T1, T500	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
-(Alternative)	Great Leoflon Industrial Co Ltd	TRW(B)- M series	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)	Great Leoflon Industrial Co Ltd	TRW(F)-M series	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,TFS	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, T500	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), No371F(a)	130 ℃	UL
-(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1	130 ℃	UL
-(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a), 35661(c),	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)	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 ℃	UL
-(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1318-1(a), 1350F-1(b), 1350T-1(b), 1350T-2(b), 1350T-3(b), 1351T-1(a), 1351T-2(a), 44(a), 56(a), 44, 44D, 44D-A, 44-T, 44T-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)	Lite-On	LTV-1006, LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, min. 100 ℃	VDE
(Alternative)	Lite-On	LTV-817, LTV817M, 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.≥ 8.0mm, min. 100 ℃	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
<p><input type="checkbox"/> 유의사항 (Attention) :</p> <p>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.</p> <p><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></p> <p>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.</p> <p><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></p>				

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-50-A	Without dimming wire and dimming PCB
제품특기사항 및 시험조건 Remarks & Test conditions	
<p>1. Review Ref. No.: 18-075375-01-2 (2019.04.26.)</p> <p>2. Product Description:</p> <ul style="list-style-type: none"> - Rated input : AC 100-240 V, 50/60 Hz, 60 W, 0.62 A - Rated output current (I_{rated}) : 1.0 A - Rated output power (P_{rated}) : 50 W - Maximum output voltage(U-OUT) : DC 57 V - tc: 90 °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 wire, with dimming PCB(B type) and Rear cover(Plastic cap) - This product is filled with potting compound - Metal enclosure used 	
<p>□ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가팀 신 종욱 / 02-8601-1437</p> <p>□ <i>If you have any question on product review, please contact the person below :</i> Job holder: Customer Support Division, Certification Convergence Evaluation Team, J.U.Shin / +82 2 860-1437</p>	

FP511-05

□ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용
Contents of Certificate Revisions

1st Rev.) Change name, president and address of manufacturer (21-080534-18-1 : 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

접수번호 : 18-075375-01-1
(Receipt No.)



안전인증서

Safety Certificate

안전인증번호 : SU11358-18015
(Certificate No.)

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

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

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

기본모델명 : XLG-50-AB
(Basic Model)

파생모델명 : XLG-50-A
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 60 W
(Rating) (output : Max. DC 57 V, 1.0 A)

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

본 인증서는 제조국명 : 중국
제조업자명 : 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 04 월 29 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)
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□ 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	Zheng Yu Electric Appliance Fittings (Kunshan) Co., Ltd.	60245 IEC 57(H05RN-F) 3Gx1.0 mm ²	AC 300 / 500 V, 3G 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, 3G 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, 3G x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F 3G0.75mm ² -1.0mm ²	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H07RN-F 3G1.0mm ² -4mm ²	AC450 / 750 V, 3G x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T3.15 A, 250 V or AC 300 V	VDE, TUV
(Alternative)	Walter	2010	T3.15 A, 250 V or AC 300 V	VDE, TUV
(Alternative)	Littelfuse	369	T3.15 A, 250 V or AC 300 V	VDE
Varistor (ZR 1, ZR2)	Thinking	TVR10561-M, TVR14561-M	AC 350 V, DC 450 V, 125 °C	VDE
(Alternative)	Thinking	TVR14511-M, TVR10511-M	AC 320 V, DC 410 V, 125 °C	VDE
(Alternative)	Thinking	TVR10471-M, TVR14471-M	AC 300 V, DC 385 V, 125 °C	VDE
X Capacitors (C1, C2)	Kemet (Arcotronics)	R.46	Min. AC 275 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	Min. AC 310 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	ENEC
(Alternative)	Epcos	B3292#	Min. AC 275 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	VDE
(Alternative)	Iskra	KNB1530	Min. AC 275 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	VDE
(Alternative)	Iskra	KNB1560	Min. AC 275 V, Min. 100 °C, C1=0.33 uF, C2=0.1 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)	Liow Gu	GS-L	AC 275 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	VDE
(Alternative)	Pilkor	PCX2 335	Min. AC 275 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	ENEC
(Alternative)	Pilkor	PCX2 337	Min. AC 275 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 275 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	VDE
(Alternative)	Shiny Space	SX1	AC 300 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	ENEC
(Alternative)	HUA JUNG	MKP	AC 305 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	ENEC
(Alternative)	Carli Electronics	MPX	Min. AC 275 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	VDE
(Alternative)	Joey	MPX	AC 275 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	VDE
(Alternative)	Okaya	LE	Min. AC 250 V, Min. 100 °C, C1=0.33 uF, C2=0.1 uF	ENEC
Y-capacitor (C31)	Murata	KX	Min. AC 250 V, 1 500 pF, Min. 105 °C, Y1	VDE
(Alternative)	Walsin	AH	Min. AC 250 V, 1 500 pF, Min. 105 °C, Y1	VDE
(Alternative)	TDK	CD	Min. AC 250 V, 1 500 pF, Min. 105 °C, Y1	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 1 500 pF, Min. 105 °C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 500 V, 1 500 pF, Min. 105 °C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 1 500 pF, Min. 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 1 500 pF, Min. 105 °C, Y1	VDE
(Alternative)	Guangdong Huiwan Electronics	AR	AC 500 V, 1 500 pF, Min. 125 °C, Y1	ENEC
Y-capacitor (C30)	Murata	KX	Min. AC 250 V, 2 200 pF, Min. 105 °C, Y1	VDE
(Alternative)	Murata	KH, KY	Min. AC 250 V, 2 200 pF, Min. 105 °C, Y2	VDE
(Alternative)	Walsin	AH	Min. AC 250 V, 2 200 pF, Min. 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)	Walsin	AC	Min. AC 250 V, 2 200 pF, Min. 105 °C, Y2	VDE
(Alternative)	Walsin	AS	AC 500 V, 2 200 pF, Min. 105 °C, Y1	VDE
(Alternative)	TDK	CD	Min. AC 250 V, 2 200 pF, Min. 105 °C, Y1	VDE
(Alternative)	TDK	CS	Min. AC 250 V, 2 200 pF, Min. 105 °C, Y2	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 2 200 pF, Min. 105 °C, Y1	VDE
(Alternative)	Welson	KL	Min. AC 250 V, 2 200 pF, Min. 105 °C, Y2	VDE
(Alternative)	VISHAY	VY1	AC 500 V, 2 200 pF, Min. 105 °C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 2 200 pF, Min. 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 2 200 pF, Min. 105 °C, Y1	VDE
(Alternative)	VISHAY	338 6	AC 300 V, 2 200 pF, Min. 105 °C, Y1	ENEC
(Alternative)	Guangdong Huiwan Electronics Technology Co., LTD.	AB	AC 300 V, 2 200 pF, Min. 125 °C, Y2	VDE
(Alternative)	Guangdong Huiwan Electronics Technology Co., LTD.	AR	AC 500 V, 2 200 pF, Min. 125 °C, Y1	VDE
Y-capacitor (C3, C4)	Murata	KX	Min. AC 250 V, 470 pF, Min. 105 °C, Y1	VDE
(Alternative)	Murata	KH, KY	Min. AC 250 V, 470 pF, Min. 105 °C, Y2	VDE
(Alternative)	Walsin	AH	Min. AC 250 V, 470 pF, Min. 105 °C, Y1	VDE
(Alternative)	Walsin	AC	Min. AC 250 V, 470 pF, Min. 105 °C, Y2	VDE
(Alternative)	Walsin	AS	AC 500 V, 470 pF, Min. 105 °C, Y1	VDE
(Alternative)	TDK	CD	Min. AC 250 V, 470 pF, Min. 105 °C, Y1	VDE
(Alternative)	TDK	CS	Min. AC 250 V, 470 pF, Min. 105 °C, Y2	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 470 pF, Min. 105 °C, Y1	VDE
(Alternative)	Welson	KL	Min. AC 250 V, 470 pF, Min. 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)	VISHAY	VY1	AC 500 V, 470 pF, Min. 105 °C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 470 pF, Min. 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 470 pF, Min. 105 °C, Y1	VDE
(Alternative)	VISHAY	338 6	AC 300 V, 470 pF, Min. 105 °C, Y1	ENEC
(Alternative)	Guangdong Huiwan Electronics Technology Co., LTD.	AB	AC 300 V, 470 pF, Min. 125 °C, Y2	VDE
(Alternative)	Guangdong Huiwan Electronics Technology Co., LTD.	AR	AC 500 V, 470 pF, Min. 125 °C, Y1	VDE
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
(Alternative)	Brite Plus	DGV0-3A	V-1, 105 °C	UL
(Alternative)	HSIANG KUO	76V0A	V-1, 105 °C	UL
(Alternative)	SHANGHAI WANZHENG	SWZ-1	V-1, 105 °C	UL
(Alternative)	GUANGDONG CHAOHUA	C-103, C-104	V-1, 105 °C	UL
Line Filter Choke (LF1)	MEAN WELL	LF-6034	130 °C	Tested with appliance
Line Filter Choke (L1)	MEAN WELL	DRGZ006F	130 °C	Tested with appliance
Line Filter Choke (L2)	MEAN WELL	TF-6953	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

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-50-A	MEAN WELL Enterprises Co., Ltd.	TF-6925	Class B	Tested with appliance
(Alternative)	JET SIGNAL INDUSTRIES CO LTD	TF-6925	Class B	Tested with appliance
(Alternative)	LONG SAIL ELECTRONIC CO LTD	TF-6925	Class B	Tested with appliance
(Alternative)	YU JING TECHNOLOGY CO LTD	TF-6925	Class B	Tested with appliance
Transformer (T1) for XLG-50-AB	MEAN WELL Enterprises Co., Ltd.	TF-6924	Class B	Tested with appliance
(Alternative)	JET SIGNAL INDUSTRIES CO LTD	TF-6924	Class B	Tested with appliance
(Alternative)	LONG SAIL ELECTRONIC CO LTD	TF-6924	Class B	Tested with appliance
(Alternative)	YU JING TECHNOLOGY CO LTD	TF-6924	Class B	Tested with appliance
-Bobbin of T1, T500	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
-Triple insulation wire of T1, T500	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
-(Alternative)	Great Leoflon Industrial Co Ltd	TRW(B)- M series	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)	Great Leoflon Industrial Co Ltd	TRW(F)-M series	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,TFS	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, T500	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), No371F(a)	130 °C	UL
-(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1	130 °C	UL
-(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a), 35661(c),	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)	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 °C	UL
-(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1318-1(a), 1350F-1(b), 1350T-1(b), 1350T-2(b), 1350T-3(b), 1351T-1(a), 1351T-2(a), 44(a), 56(a), 44, 44D, 44D-A, 44-T, 44T-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)	Lite-On	LTV-1006, LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817, LTV817M, 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.≥ 8.0mm, min. 100 °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
<p><input type="checkbox"/> 유의사항 (Attention) :</p> <p>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.</p> <p><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></p> <p>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.</p> <p><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></p>				

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-50-A	Without dimming wire and dimming PCB
제품특기사항 및 시험조건 Remarks & Test conditions	
<p>1. Review Ref. No.: 18-075375-01-2 (2019.04.26.)</p> <p>2. Product Description:</p> <ul style="list-style-type: none"> - Rated input : AC 100-240 V, 50/60 Hz, 60 W, 0.62 A - Rated output current (I_{rated}) : 1.0 A - Rated output power (P_{rated}) : 50 W - Maximum output voltage(U-OUT) : DC 57 V - tc: 90 °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 wire, with dimming PCB(B type) and Rear cover(Plastic cap) - This product is filled with potting compound - Metal enclosure used 	
<p>□ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 : BK 전략본부 인증관리센터 이 용노 / (02)860-1423</p> <p>□ <i>If you have any question on product review, please contact the person below :</i> <i>Job holder: BK Strategy Division Certification Management Center, Y.R.LEE/+82 2 8601-423</i></p>	

FP511-05

첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
Not applicable

FP511-06