



MEAN WELL LED DRIVER CATALOG



June
2020

Your Reliable Power Partner
Standard LED Driver Manufacturer

2020 LINE

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 : Premium series
 : The best cost-performance series
C.P : Constant Power Mode
C.C : Constant Current Mode
C.V : Constant Voltage Mode

Plastic Case (Non PFC)

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Metal Case

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LDC/SLD Series

LDC Series 35/55/80W
SLD Series 50/80W
Linear and Slim LED Driver

- Constant power mode design
- Wide output current range adjustable
- Flicker free design
- Support for C.V or C.C application

APPLICATIONS

Signage & Backlight
Linear luminaire
Troffer light
Trunking light
Triple-proof light
Linear Bay light



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PWM-IoT SERIES

60/120/200W

LCM-IoT SERIES

25/40/60W

- Constant Voltage output (PWM series)
- Constant Current Output (LCM series)
- Class II/2 design ,without FG.
- Fully potted design with IP67.(PWM series)
- Multiple Dimming functions: 3 in 1/DALI 2.0/ Push DIM/KNX Bluetooth Mesh/EnOcean.
- Built-in 12V/50mA aux. power for intelligent controllers(LCM series)
- Synchronization control up to 10 units (LCM Series)

APPLICATIONS

Signage & Backlight
Cove lighting
Decoration lighting
Commercial lighting
Troffer lighting



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HVGC SERIES

1000W

Metal Case with PFC

- Wide input range 180 ~ 528VAC
- Constant Power mode output
- Metal housing with Class I design
- Built-in active PFC function
- IP67 design for indoor or outdoor installations
- Design with Auxiliary DC output

APPLICATIONS

Stadium lighting
High-bay lighting
LED fishing lamp
LED Horticulture lighting



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XBG SERIES

100/160/240W

Metal Case with PFC

- Constant Power Mode design
- Built-in active PFC function
- Patented metal housing design with IP67
- AC input cable with connector for flexible application
- 5 years warranty

APPLICATIONS

LED bay lighting
LED stage lighting
LED spot lighting
Explosion-proof lighting
Type HL LED driver for class I division 2.



Quick Selection Map

AC/DC

AC/DC

Plastic Case

NON-PFC

C.V

C.C

PFC

C.V

C.C
or
C.V+C.C

Series	Dimension (Lx Wx H)	Page
APV-8	60x 30x 23.5 mm	6
APV-12/16	77x 40x 29 mm	
APV-25/35	84x 57x 29.5 mm	

Series	Dimension (Lx Wx H)	Page
APV-8E	60x 30x 23.5 mm	8
APV-12E/16E	77x 40x 29 mm	

Series	Dimension (Lx Wx H)	Page
LPL-18, LPH-18	140x 30x 22 mm	9~10
LPV-20	118x 35x 26 mm	
LPV-35	148x 40x 30 mm	
LPV-60	162.5x 42.5x 32 mm	
LPV-100	190x 52x 37 mm	
LPV-150	191x 63x 37.5 mm	
LPVL-150	191x 63x 37.5 mm	

Series	Dimension (Lx Wx H)	Page
APC-8(E)	60x 30x 23.5 mm	7~8
APC-12/16(E)	77x 40x 29 mm	
APC-25/35	84x 57x 29.5 mm	

Series	Dimension (Lx Wx H)	Page
LPHC-18	140x 30x 22 mm	11~12
LPC-20	118x 35x 26 mm	
LPC-35	148x 40x 30 mm	
LPC-60	162.5x 42.5x 32 mm	
LPC-100	190x 52x 37 mm	
LPC-150	191x 63x 37.5 mm	

Series	Dimension (Lx Wx H)	Page
OWA-60E/U	130x 53x 35 mm	25

Series	Dimension (Lx Wx H)	Page
IDLV-25(A)	110x 75x 22 mm	33
IDLV-45(A)	120 x 75 x 25 mm	
IDLV-65(A)	130 x 75 x 25 mm	

Series	Dimension (Lx Wx H)	Page
ODLV-45(A)	111x 77x 28.5 mm	19
ODLV-65(A)	121x 77x 28.5 mm	

Series	Dimension (Lx Wx H)	Page
PWM-40/60(DA)	150x 53x 35 mm	17~18
PWM-90(DA)	171x 63x 37.5 mm	
PWM-120(DA)	191x 63x 37.5 mm	
PWM-200(DA)	195x 68x 39.5 mm	

Series	Dimension (Lx Wx H)	Page
PWM-60KN	150x 53x 35 mm	17~18
PWM-120KN	191x 63x 37.5 mm	
PWM-200KN	195x 68x 39.5 mm	

Series	Dimension (Lx Wx H)	Page
GSV30/60	75.5x 32x 47.5 mm	26

Input and output with cable		
Series	Dimension (Lx Wx H)	Page
NPF-40/60(D)	150x 53x 35 mm	14
NPF-90(D)	171x 63x 37.5 mm	
NPF-120(D)	191x 63x 37.5 mm	

Series	Dimension (Lx Wx H)	Page
LPF-16/25(D)	148x 40x 32 mm	15~16
LPF-40/60(D)	162.5x 43x 32 mm	
LPFH-60(D)	161x 61x 36 mm	
LPF-90(D)	161x 61x 36 mm	

Series	Dimension (Lx Wx H)	Page
ODLC-45(A)	111x 77x 28.5 mm	20
ODLC-45DA	111x 77x 28.5 mm	
ODLC-65(A)	121x 77x 28.5 mm	
ODLC-65DA	121x 77x 28.5 mm	

Series	Dimension (Lx Wx H)	Page
OWA-90E/U	171x 63x 37.5 mm	25
OWA-120E/U	191x 63x 37.5 mm	

Series	Dimension (Lx Wx H)	Page
PLD-16/25	84x 57x 29.5 mm	21
PLD-40/60	128x 60x 31.5 mm	

Series	Dimension (Lx Wx H)	Page
PCD-16/25	84x 57x 29.5 mm	22
PCD-40/60	128x 60x 31.5 mm	

C.P: Constant Power Mode
C.C: Constant Current Mode
C.V: Constant Voltage Mode

Continuous

Quick Selection Map

AC/DC

AC/DC

Plastic Case

PFC

C.C
or
C.V+C.C

Input and output with cable

	Series	Dimension (Lx Wx H)	Page
	PLN-20	148.5x 38.5x 28 mm	23
	PLN-30	145x 47x 30 mm	
	PLN-45/60	181x 61.5x 35 mm	
	PLN-100	200x 70.5x 35 mm	
	Series	Dimension (Lx Wx H)	Page
	HLN-40H/60H	161x 61.5x 35 mm	24
	HLN-80H	181x 61.5x 35 mm	
	Series	Dimension (Dx H)	Page
	HBG-60	φ110x 60.5	68

Input and output with terminal block

	Series	Dimension (Lx Wx H)	Page
	SLD-50	280x 30x 16.8mm	28
	SLD-80	320x 30x 16.8mm	
	Series	Dimension (Lx Wx H)	Page
	IDLC-25(A)	110x 75x 22	34
	IDLC-45(A)	120x 75x 25 mm	
	IDLC-45-DA		
	IDLC-65(A)		
	IDLC-65-DA	130x 75x 25 mm	
	Series	Dimension (Lx Wx H)	Page
	PLM-12/25(E)	145x 38x 22 mm	35~36
	Series	Dimension (Lx Wx H)	Page
	LCM-25(DA/BLE/KN)	105x 68x 23 mm	30~32
	LCM-40/60(DA/BLE/KN)	123.5x 81.5x 23 mm	
	LCM-40EO/60EO	123.5x 81.5x 23 mm	
	LCM-40U/60U(DA)		
	LCM-40UEO/60UEO		
	Series	Dimension (Lx Wx H)	Page
100W C.V+C.C	PLC-30	160x 46x 30 mm	37
	PLC-45/60	181.5x 62x 35 mm	
	PLC-100	200.5x 69.5x 35 mm	

	Series	Dimension (Lx Wx H)	Page
	ELG-75(DA)	180x 63x 35.5 mm	42~44
	ELG-100(DA)	199x 63x 35.5 mm	
	ELG-150(DA)	219x 63x 35.5 mm	
	ELG-200(DA)	244x 71x 37.5 mm	
	ELG-240(DA)	246x 77x 39.5 mm	
	Series	Dimension (Lx Wx H)	Page
	HLG-40H/60H	171x 61.5x 36.8 mm	49~53
	HLG-80H	195.6x 61.5x 38.8 mm	
	HLG-100H/120H	220x 68x 38.8 mm	
	HLG-150H/185H	228x 68x 38.8 mm	
	HLG-240H	244.2x 68x 38.8 mm	
	HLG-320H	252x 90x 43.8 mm	
	HLG-480H	262x 125x 43.8 mm	
	HLG-600H	280x 144x 48.5 mm	

	Series	Dimension (Lx Wx H)	Page
	HVG-65	189x 61.5x 36.8 mm	57~59
	HVG-100	236x 68x 38.8 mm	
	HVG-150	245x 68x 38.8 mm	
	HVG-240	254.2x 68x 38.8 mm	
	HVG-320	262x 90x 43.8 mm	
HVG-480	262x 125x 43.8 mm		
	Series	Dimension (Dx H)	Page
	HBG-100(DA)	φ130x 66.5 mm	68~69
	HBG-160(DA)	φ151.68x 66.5	
	HBG-200(DA)		
	HBG-240(DA)		
 C.V	Series	Dimension (Lx Wx H)	Page
	ERP-200(NON PFC)	220x 110x 40 mm	71
	ERP-350(NON PFC)	220.4x 130x 48 mm	
	ERPF-400		

	Series	Dimension (Lx Wx H)	Page
	XLG-25/50	105x 63x 30 mm	39
	Series	Dimension (Lx Wx H)	Page
	XLG-75/100	140x 63x 30 mm	40~41
	XLG-150	180x 63x 35 mm	
	XLG-200	199x 63x 35 mm	
	XLG-240	219x 63x 30 mm	
	DC 12V/24V Available		

Metal Case

PFC

C.V+C.C

Metal Case

PFC

C.C or C.P

C.P: Constant Power Mode
C.C: Constant Current Mode
C.V: Constant Voltage Mode

Quick Selection Map

AC/DC

AC/DC

Metal Case

PFC

C.C or C.P

	Series	Dimension (Lx Wx H)	Page
	ELG-75-C(DA)	180x 63x 35.5 mm	45~47
	ELG-100-C(DA)	199x 63x 35.5 mm	
	ELG-150-C(DA)	219x 63x 35.5 mm	
	ELGT-150-C		
	ELG-200-C(DA)	244x 71x 37.5 mm	
	ELG-240-C(DA)		
ELGC-300(DA)	246x 77x 39.5 mm		

Series	Dimension (Lx Wx H)	Page
HLG-60H-C	171x 61.5x 36.8 mm	54~56
HLG-80H-C	195.6x 61.5x 38.8 mm	
HLG-120H-C	220x 68x 38.8 mm	
HLG-185H-C	228x 68x 38.8 mm	
HLG-240H-C	244.2x 68x 38.8 mm	
HLG-320H-C(DA)	252x 90x 43.8 mm	
HLG-480H-C	262x 125x 43.8 mm	

Series	Dimension (Lx Wx H)	Page
HVGC-65	189x 61.5x 36.8 mm	60~63
HVGC-100	236x 68x 38.8 mm	
HVGC-150	245x 68x 38.8 mm	
HVGC-240	254.2x 68x 38.8 mm	
HVGC-320	262x 90x 43.8 mm	
HVGC-480(DA)	262x 125x 43.8 mm	
HVGC-650(DA)	280x 144x 48.5mm	
HVGC-1000(DA)	310x 144x 48.5mm	

	Series	Dimension (Lx Wx H)	Page
	FDL-65	151x 53x 31.5 mm	64
	FDLC-80	151x 53x 31.5 mm	
	FDLC-100	175x 53x 31.5 mm	
	FDHC-100		

Series	Dimension (Dx H)	Page
XBG-100	NEW ϕ 151.5x 60 mm	67
XBG-160	ϕ 130x 56 mm	
XBG-240	NEW ϕ 191x 63 mm	

Series	Dimension (Dx H)	Page
HBGC-300(ADA)	NEW ϕ 191.5x 69 mm	70

Series	Dimension (Lx Wx H)	Page
LDC-35(DA)	280x 30x 21 mm	29
LDC-55(DA)	320x 30x 21 mm	
LDC-80(DA)	360x 30x 21 mm	

Series	Dimension (Lx Wx H)	Page
IDPV-25(A)	114.5x 72.5x 20 mm	74
IDPV-45(A)	120 x 66.5 x 20.5 mm	
IDPV-65(A)	130 x 67.5 x 20.5 mm	

Series	Dimension (Dx H)	Page
HBG-60-P	ϕ 99x 26	73
HBG-100P(DA)	ϕ 104x 34	
HBG-160P(DA)	ϕ 124.6x 34	
HBG-240P	ϕ 144x 31	

	Series	Dimension (Lx Wx H)	Page
	IDPC-25(A)	114.5x 72.5x 20 mm	75
	IDPC-45(A)	120 x 66.5 x 20.5 mm	
	IDPC-45-DA		
	IDPC-65(A)	130 x 67.5 x 20.5 mm	
	IDPC-65-DA		

Series	Dimension (Lx Wx H)	Page
PLP-30	101.6x 50.8x 26.6 mm	76
PLP-45/60	101.6x 50.8x 29.6 mm	

Series	Dimension (Lx Wx H)	Page
HLP-40H/60H	147x 53x 27 mm	77
HLP-80H	167x 53x 29.5 mm	

PCB Type

PFC

C.V

C.C

C.P: Constant Power Mode
C.C: Constant Current Mode
C.V: Constant Voltage Mode

Quick Selection Map

DC/DC

DC/DC

Plastic Case

Step-up
LED Driver

C.C

Step-down
LED Driver

C.C

Buck-boost
LED Driver

C.C

Series	Dimension (Lx Wx H)	Page
LDH-25	52.4x 27.2x 24 mm	79~80
LDH-45(DA)	75x 53x 22.7 mm	
LDH-65	75x 53x 22.7 mm	

Series	Dimension (Lx Wx H)	Page
LDD-300~700L / LW	22.6x 9.9x 8.9 mm	81~82
LDD-300~700LS	25.4x 10.5x 9.3 mm	
LDD-1000~1500L / LW	31.8x 20.3x 12.2 mm	
LDD-1000~1500LS	31.8x 20.3x 10.9 mm	
LDD-300~1500H / HW	31.8x 20.3x 12.2 mm	
LDD-300~1500HS	31.8x 20.3x 10.9 mm	

Series	Dimension (Lx Wx H)	Page
LDD-350~1400H-DA	40.6x 23.5x 10.1 mm	83
LDD-350~1400H-WDA		

Series	Dimension (Lx Wx H)	Page
LDB-300~600L/W	31.8x 20.3x 12.2 mm	82

ACCESSORIES

Surge Protection Device

Inrush Current Limiter

Motion Sensor

DALI to PWM Converter

Smart Timer Dimming

DALI Bus Power

EnOcean Dimmer Kit

Series	Dimension (Lx Wx H)	Page
SPD-20	90x 70x 50 mm	84
SPD-20HP	71.6x 67.7x 32 mm	
SPD-10-320S	85x 37x 40 mm	
SPD-10S	56.76 x 46.36 x 26 mm	

Series	Dimension (Lx Wx H)	Page
ICL-16R	35x 90x 54.5 mm	85
ICL-16L	175x 42x 24 mm	

Series	Dimension (Dx H)	Page
PIR-045	60*71.3mm	85

Series	Dimension (Lx Wx H)	Page
DAP-04, DAP-04-S01	165x 46x 23 mm	86

Series	Dimension (Lx Wx H)	Page
SDP-001	165x 46x 23 mm	87

Series	Dimension (Lx Wx H)	Page
DLP-04L	145x 38x 22 mm	88
DLP-04R	35x 90x 54.5 mm	

Series	Dimension (Lx Wx H)	Page
WPD-06	110x 77x 26.4 mm	88
WPD-06-SWT	80x 80x 15 mm	

Series	Dimension (Lx Wx H)	Page
LCM-25KN	105x 68x 23mm	91
LCM-40/60KN	123.5x 81.5x 23mm	

Series	Dimension (Lx Wx H)	Page
PWM-60KN	123.5x 81.5x 23mm	91
PWM-120KN	191x 63x 37.5 mm	
PWM-200KN	195x 68x 39.5 mm	

Series	Dimension (Lx Wx H)	Page
KDA-64	86x 72x 55mm	92

Series	Dimension (Lx Wx H)	Page
KAA-4R4V	90x 72x 57 mm	92

Series	Dimension (Lx Wx H)	Page
KAA-8R	90x 72x 57 mm	92

Series	Dimension (Lx Wx H)	Page
KNX-20E-640	52.5x 90x 54.5mm	93
KNX-40E-1280	72x 90x 57mm	
KSI-01U/KSR-01IP/KSC-01L	36x 90x 71mm	

KNX Product

KNX Constant Current
Mode LED Driver

KNX Constant Voltage
mode LED Driver

KNX to DALI Gateway

KNX LED actuator / dimmer

KNX Universal Actuator

KNX System component

C.P: Constant Power Mode
C.C: Constant Current Mode
C.V: Constant Voltage Mode

Plastic Case

Non PFC

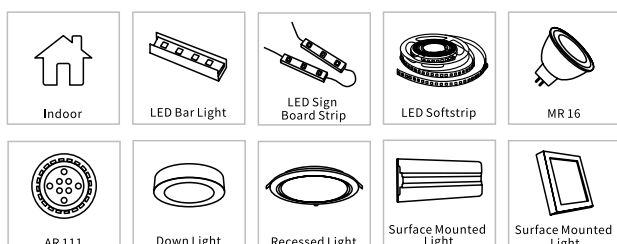
- 6 AP Series (8~35W)
- 8 AP-E Series (8~16W)
- 9 LP Series (18~150W)



The AP and LP series are the entry-level products. All products are divided into constant voltage and constant current applications. Most DC 12V and 24V can also be used with general light bar/light strip or advertising light box application. Moreover, other output voltage models are also available for choice and waterproof function is available for LP series .

Other constant current application can be used according to the COB LED or SMD LED specifications selected. Currently, the Driver current range can cover from 250/350/500/700/1050/1400mA to maximum operate up to 3150 mA (150W) for all kinds of indoor lighting applications.

Application



AP series 8~35W

Features

- Constant voltage mode
- Universal AC input / Full range
- No load power consumption <0.5W for APV-8
- Withstand 300VAC surge input for 5 seconds (APV-25/35)
- Fully isolated plastic case with IP42 level
- Isolation class II, no F.G.
- Class 2 power unit / Pass LPS (except for APV-8)
- Economic, high reliability
- Suitable for LED strip applications
- Protections: Short circuit / Overload / Over voltage
- 2 years warranty

	APV-8	APV-12/16	APV-25/35
INPUT 			
OUTPUT 			
AC input voltage range	90~264VAC ; 127~370VDC		
AC inrush current (max.)	Cold start, 70A at 230VAC	APV-12: Cold start, 70A at 230VAC APV-16: Cold start, 50A at 230VAC	Cold start, 45A at 230VAC
Overload protection	>105% rated output power (110%~160% for APV-35) hiccup mode, auto-recovery		
Over voltage protection	115%~135% rated output voltage	110%~145% rated output voltage	
Withstand voltage	I/P-O/P: 3.75kVAC		I/P-O/P: 3kVAC
Working temperature	-30~+70°C (refer to output derating curve)		
Vibration	10~500Hz, 2G 10 minutes /1 cycle, period for 60 minutes each along X, Y, Z axes		
Safety standards	UL8750, EN61347-2-13 (LVD); BIS IS15885(except for 5V); EAC TP TC 004 approved; EN62368-1 (LVD) , EN61347-1,-2-13; GB19510.14, GB19510.1(optional)	UL8750, ENEC EN61347-1/2-13; GB19510.14, GB19510.1, EAC TP TC 004; BIS IS15885(except for 5V)	UL8750, EAC TP TC 004 approved, BIS IS15885(except for 15V, 36V); EN62368-1 (LVD)
EMC standards	EN55024, EN55032, EN61000-3-2 class A, EN61000-3-3, EAC TP TC 020, EN61000-4-2,3,4,5,6,8,11, EN61547; GB17743, GB17625.1(optional)		EN55024, EN55032 class B, EN61000-3-2 class A, EN61000-3-3, EAC TP TC 020, EN61000-4-2,3,4,5,6,8,11
Connection	Input	UL rated, 18AWGx2C (15cm)	
	Output	UL rated, 20AWGx2C (15cm)	
Dimension (LxWxH)(mm)	60x 30x 23.5	77x 40x 29	84x 57x 29.5

APV-8 Series

Model No.	Output	Tol.	R&N	Effi.
APV-8-5	5V, 0~1.4A	±5%	250mV	74%
APV-8-12	12V, 0~0.67A	±5%	250mV	80%
APV-8-24	24V, 0~0.34A	±5%	300mV	81%

APV-12 Series

Model No.	Output	Tol.	R&N	Effi.
APV-12-5	5V, 0~2A	±5%	100mV	76%
APV-12-12	12V, 0~1A	±5%	120mV	82%
APV-12-15	15V, 0~0.8A	±5%	120mV	82%
APV-12-24	24V, 0~0.5A	±5%	150mV	84%

APV-16 Series

Model No.	Output	Tol.	R&N	Effi.
APV-16-5	5V, 0~2.6A	±5%	100mV	76%
APV-16-12	12V, 0~1.25A	±5%	120mV	80%
APV-16-15	15V, 0~1.00A	±5%	120mV	81%
APV-16-24	24V, 0~0.67A	±5%	150mV	83%

APV-25 Series

Model No.	Output	Tol.	R&N	Effi.
APV-25-5	5V, 0~3.5A	±5%	120mV	75.5%
APV-25-12	12V, 0~2.1A	±5%	150mV	82.0%
APV-25-15	15V, 0~1.68A	±5%	150mV	83.0%
APV-25-24	24V, 0~1.05A	±5%	150mV	83.0%
APV-25-36	36V, 0~0.7A	±5%	150mV	84.0%

APV-35 Series

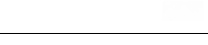
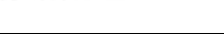
Model No.	Output	Tol.	R&N	Effi.
APV-35-5	5V, 0~5A	±5%	120mV	76.5%
APV-35-12	12V, 0~3A	±5%	150mV	83.0%
APV-35-15	15V, 0~2.4A	±5%	150mV	84.0%
APV-35-24	24V, 0~1.5A	±5%	180mV	84.0%
APV-35-36	36V, 0~1.0A	±5%	180mV	85.0%

Note: These products are not intended for lighting applications in the EU.(In the EU NPF/LPF/XLG series are recommended)

AP series 8~35W

Features

- **Constant current mode**
- Universal AC input / Full range
- No load power consumption <0.5W for APC-8
- Withstand 300VAC surge input for 5 seconds (APC-25/35)
- Fully isolated plastic case with IP42 level
- Isolation class II, no F.G.
- Class 2 power unit / Pass LPS
(except for APC-8, APC-25-350 and APC-35-350/500)
- Economic, high reliability
- Small and compact size
- Suitable for LED strip applications
- Protections:
Short circuit / Over voltage (except for APC-8)
- 2 years warranty

	APC-8	APC-12/16	APC-25/35
INPUT			
OUTPUT			
AC input voltage range	90~264VAC ; 127~370VDC		
AC inrush current (max.)	Cold start, 70A at 230VAC	APC-12: Cold start, 70A at 230VAC APC-16: Cold start, 45A at 230VAC	Cold start, 45A at 230VAC
Over voltage protection	None	110%~145% rated output voltage	
Withstand voltage	I/P-O/P: 3.75kVAC		I/P-O/P: 3kVAC
Working temperature	-30~+70°C (refer to output derating curve)		
Vibration	10~500Hz, 2G 10 minutes /1 cycle, period for 60 minutes each along X, Y, Z axes		
Safety standards	UL8750, EAC TP TC 004, BIS 15885 approved; EN62368-1(LVD), EN61347-1, EN61347-2-13 (LVD); GB19510.14, GB19510.1(optional)	UL8750, UL1310, EAC TP TC 004, BIS 15885 approved; Design refer to TUV EN61347-1; GB19510.14, GB19510.1(optional)	UL8750 & UL1310(except for APC-25-350 & APC-35-350/500), EAC TP TC 004, BIS IS15885 approved, EN62368-1(LVD)
EMC standards	EN61000-3-2 class A, EN61000-3-3, EN55032, EN55024 EN61000-4-2,3,4,5,6,8,11, EAC TP TC 020; B17743/17625.1(optional)		EN55032 class B, EN55024 EN61000-3-2 class A, EN61000-3-3, EAC TP TC 020, EN61000-4-2,3,4,5,6,8,11
Connection	Input	UL rated, 18AWGx2C (15cm)	
	Output	UL rated, 20AWGx2C (15cm)	
Dimension (LxWxH)(mm)	60x 30x 23.5	77x 40x 29	84x 57x 29.5

APC-8 Series



Model No.	Output	Tol.	R&N	Effi.
APC-8-250	16~32V, 250mA	±8%	350mV	82.5%
APC-8-350	11~23V, 350mA	±8%	300mV	81.5%
APC-8-500	8~16V, 500mA	±8%	300mV	81%
APC-8-700	6~11V, 700mA	±8%	250mV	80%

APC-12 Series



Model No.	Output	Tol.	R&N	Effi.
APC-12-350	9~36V, 350mA	±8%	300mV	82%
APC-12-700	9~18V, 700mA	±8%	250mV	80%

APC-16 Series



Model No.	Output	Tol.	R&N	Effi.
APC-16-350	12~48V, 350mA	±8%	300mV	84%
APC-16-700	9~24V, 700mA	±8%	250mV	83%

APC-25 Series



Model No.	Output	Tol.	R&N	Effi.
APC-25-350	25~70V, 350mA	±8%	300mV	83%
APC-25-500	15~50V, 500mA	±8%	300mV	83%
APC-25-700	11~36V, 700mA	±8%	300mV	83%
APC-25-1050	9~24V, 1050mA	±8%	300mV	83%

APC-35 Series



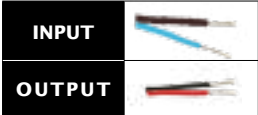
Model No.	Output	Tol.	R&N	Effi.
APC-35-350	28~100V, 350mA	±8%	350mV	84%
APC-35-500	25~70V, 500mA	±8%	350mV	84%
APC-35-700	15~50V, 700mA	±8%	350mV	84%
APC-35-1050	11~33V, 1050mA	±8%	350mV	84%

Note: These products are not intended for lighting applications in the EU.(In the EU NPF/LPF/XLG series are recommended)

AP-E series 8~16W

Features

- Constant voltage mode for APV-E series
Constant current mode for APC-E series
- 180~264VAC input only
- No load power consumption<0.5W
- Fully isolated plastic case
- Isolation class II, no F.G.
- Meet EN6100-3-2 Harmonics current
- Economic, high reliability
- Suitable for LED luminaire and strip application
- Protections:
Short circuit / Overload (APV-E series only) / Over voltage (except for APC-8E)
- 2 years warranty

APV/APC-8E		APV/APC-12E/16E
		
AC input voltage range		180 ~ 264VAC ; 254 ~ 370VDC
AC inrush current (max.)		Cold start, 70A at 230VAC (50A for APV-16E, 45A for APC-16E)
Over voltage protection		115%~135% rated output voltage (except for APC-8E)
Withstand voltage		I/P-O/P: 3.75kVAC
Working temperature		-30~+70°C (refer to output derating curve)
Vibration		10~500Hz, 2G 10 minutes /1 cycle, period for 60 minutes each along X, Y, Z axes
Safety standards		ENEC EN61347-1, EN61347-2-13, EN62384, EAC TP TC 004 approved
EMC standards		EN55015, EN61000-3-2 class A, EN61000-3-3, EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61547, EAC TP TC 020
Connection	Input	H03VVH2-F 0.75mm ² x2C (15cm)
	Output	UL rated, 20AWGx2C (15cm)
Dimension (LxWxH)(mm)		60x 30x 23.5

APV-8E Series



Model No.	Output	Tol.	R&N	Effi.
APV-8E-5	5V, 0~1.4A	±5%	250mV	74.0%
APV-8E-12	12V, 0~0.67A	±5%	250mV	77.5%
APV-8E-24	24V, 0~0.34A	±5%	300mV	78.5%

APV-12E Series



Model No.	Output	Tol.	R&N	Effi.
APV-12E-5	5V, 0~2A	±5%	100mV	75.0%
APV-12E-12	12V, 0~1A	±5%	120mV	81.0%
APV-12E-15	15V, 0~0.8A	±5%	120mV	81.0%
APV-12E-24	24V, 0~0.5A	±5%	150mV	83.0%

APV-16E Series



Model No.	Output	Tol.	R&N	Effi.
APV-16E-5	5V, 0~2.6A	±5%	100mV	75.0%
APV-16E-12	12V, 0~1.25A	±5%	120mV	79.0%
APV-16E-15	15V, 0~1A	±5%	120mV	80.0%
APV-16E-24	24V, 0~0.67A	±5%	150mV	82.0%

APC-8E Series



Model No.	Output	Tol.	R&N	Effi.
APC-8E-250	16~32V, 250mA	±8%	350mV	81.5%
APC-8E-350	11~23V, 350mA	±8%	300mV	80.5%
APC-8E-500	8~16V, 500mA	±8%	300mV	79.0%
APC-8E-700	6~11V, 700mA	±8%	250mV	77.5%

APC-12E Series



Model No.	Output	Tol.	R&N	Effi.
APC-12E-350	9~36V, 350mA	±8%	300mV	81.0%
APC-12E-700	9~18V, 700mA	±8%	250mV	79.0%

APC-16E Series



Model No.	Output	Tol.	R&N	Effi.
APC-16E-350	12~48V, 350mA	±8%	300mV	83.0%
APC-16E-700	9~24V, 700mA	±8%	250mV	82.0%

Note: These series can be used for LED lighting luminaires and MR16/AR111 application

LP series 18~35W

Features

- **Constant voltage mode**
 - LPL-18: 90~132VAC input only
 - LPH-18: 180~264VAC input only
 - LPV: 90~264VAC input
- Withstand 300VAC surge input for 5 seconds (LPV-20/35)
- **Fully encapsulated with IP67 level**
- Isolation class II, no F.G.
- Class 2 power unit / Pass LPS
- Economic, high reliability
- Suitable for LED-based decorative/architectural lighting, LED stage, theater lighting, and LED electronic displays
- Protections: Short circuit / Overload / Over voltage / Over temperature (LPH-18/LPL-18 only)
- 2 years warranty

		LPL-18	LPH-18	LPV-20	LPV-35
INPUT					
OUTPUT					
AC input voltage range		90~132VAC	180~264VAC	90~264VAC	
AC inrush current (max.)		Cold start, 40A at 115VAC	Cold start, 50A at 230VAC	Cold start, 70A at 230VAC	Cold start, 55A at 230VAC
Overload Protection	Range	>105%		110%~150%	
	Type	Hiccup mode, auto-recovery			
Over voltage protection		115%~135% rated output voltage			
Withstand voltage		I/P-O/P: 3kVAC			
Working temperature		-30~+70°C			-30~+65°C
Vibration		10~500Hz, 2G 10 minutes /1 cycle, period for 60 minutes each along X, Y, Z axes			
Safety standards		TUV EN62368-1, EAC TP TC 004, BIS ISI 5885 (except for LPL-18, LPH-18-36) approved for LPH-18		LPV-20: TUV EN62368-1, UL879, UL1310, EAC TP TC 004 approved LPV-35: UL1310, IEC62368-1, EAC TP TC 004 approved	
EMC standards		EN55032 class B, EN61000-3-2 class A, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EAC TP TC 020, EN55024, FCC part 15 class B (LPL-18)			
Connection	Input	UL rated,18AWGx2C (30cm)		UL rated, 18AWGx2C (60cm)	UL rated, 18AWGx2C (60cm)
	Output				UL rated, 16AWGx2C (60cm)
Dimension (LxWxH)(mm)		140x 30x 22		118x 35x 26	148x 40x 30

LPL-18 Series



Model No.	Output	Tol.	R&N	Effi.
LPL-18-12	12V, 0~1.5A	±3%	120mV	80%
LPL-18-24	24V, 0~0.75A	±3%	150mV	83%
LPL-18-36	36V, 0~0.5A	±3%	200mV	84%

LPV-20 Series



Model No.	Output	Tol.	R&N	Effi.
LPV-20-5	5V, 0~3A	±5%	80mV	77%
LPV-20-12	12V, 0~1.67A	±5%	120mV	81%
LPV-20-15	15V, 0~1.33A	±5%	120mV	83%
LPV-20-24	24V, 0~0.84A	±5%	150mV	83%

LPH-18 Series



Model No.	Output	Tol.	R&N	Effi.
LPH-18-12	12V, 0~1.5A	±3%	120mV	77%
LPH-18-24	24V, 0~0.75A	±3%	150mV	82%
LPH-18-36	36V, 0~0.5A	±3%	200mV	83%

LPV-35 Series



Model No.	Output	Tol.	R&N	Effi.
LPV-35-5	5V, 0~5A (peak 6A)	±6%	80mV	77%
LPV-35-12	12V, 0~3A	±5%	120mV	84%
LPV-35-15	15V, 0~2.4A	±5%	120mV	84%
LPV-35-24	24V, 0~1.5A	±5%	150mV	85%
LPV-35-36	36V, 0~1A	±5%	150mV	85%

Note: These products are not intended for lighting applications in the EU. (In the EU NPF/LPF/XLG series are recommended)

LP series 60~150W

Features

- Constant voltage mode
- LPV-60/100: 90~264VAC input
LPV-150: 180~305VAC input only
LPVL-150: 90~132VAC input only
- Withstand 300VAC surge input for 5 seconds (LPV-60/100)
- Fully encapsulated with IP67 level
- Isolation class II, no F.G.
- Class 2 power unit / Pass LPS (LPV-60-12/15/24/36/48 only)
- Type HL LED Driver for use in Class I, Division 2 hazardous location luminaires (LPVL-150 only)
- Economic, high reliability
- Suitable for LED-based decorative/architectural lighting, LED stage, theater lighting, and LED electronic displays
- Protections: Short circuit / Overload / Over voltage / Over temperature (LPV-150, LPVL-150 only)
- 2 years warranty

		LPV-60	LPV-100	LPV-150 LPVL-150
INPUT LPV-60/100LPV/LPVL-150  OUTPUT LPV-60/100LPV/LPVL-150 				
AC input voltage range		90~264VAC; 127~370VDC		LPV-150: 180~305VAC; 254~431VDC LPVL-150: 90~132VAC
AC inrush current (max.)		Cold start, 60A at 230VAC	Cold start, 75A at 230VAC	LPV-150: Cold start, 60A at 230VAC LPVL-150: Cold start, 75A at 115VAC
Overload protection		110%~150% hiccup mode, auto-recovery		
Over voltage protection		115%~135% rated output voltage		
Withstand voltage		I/P-O/P: 3kVAC		
Working temperature		-30~+70°C	-25~+70°C	-25~+65°C
Vibration		10~500Hz, 2G 10 minutes /1 cycle, period for 60 minutes each along X, Y, Z axes		
Safety standards		UL879 (except for LPV-60-5), UL1310 (except for LPV-60-5), IEC62368-1, EAC TP TC 004 approved	UL8750, UL879, EAC TP TC 004 approved; IEC62368-1	
EMC standards		EN55032 class B, EN61000-3-2 class A, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EAC TP TC 020; FCC part 15 for LPVL-150 only, EN55024		
Connection	Input	UL rated, 18AWGx2C (60cm)	UL rated, 18AWGx2C (30cm)	UL rated, SJTW 18AWGx2C (30cm)
	Output	UL rated, 16AWGx2C (60cm)	UL rated, 14AWGx2C (30cm)	UL rated, SJTW 14AWGx2C (30cm)
Dimension (LxWxH)(mm)		162.5x 42.5x 32	190x 52x 37	191x 63x 37.5

LPV-60 Series



Model No.	Output	Tol.	R&N	Effi.
LPV-60-5	5V, 0~8A	±8%	80mV	76%
LPV-60-12	12V, 0~5A	±5%	120mV	83%
LPV-60-15	15V, 0~4A	±5%	120mV	83%
LPV-60-24	24V, 0~2.5A	±5%	150mV	86%
LPV-60-36	36V, 0~1.67A	±5%	150mV	86%
LPV-60-48	48V, 0~1.25A	±5%	150mV	86%

LPV-100 Series



Model No.	Output	Tol.	R&N	Effi.
LPV-100-5	5V, 0~12A	±8%	80mV	80%
LPV-100-12	12V, 0~8.5A	±5%	120mV	85%
LPV-100-15	15V, 0~6.7A	±5%	120mV	87%

Model No.	Output	Tol.	R&N	Effi.
LPV-100-24	24V, 0~4.2A	±5%	150mV	88%
LPV-100-36	36V, 0~2.8A	±5%	150mV	88%
LPV-100-48	48V, 0~2.1A	±5%	150mV	89%

LPV/LPVL-150 Series



Model No.	Output	Tol.	R&N	Effi.
LPV-150-12	12V, 0~10A	±5%	200mV	87%
LPV-150-15	15V, 0~8A	±5%	200mV	88%
LPV-150-24	24V, 0~6.3A	±5%	200mV	89%
LPV-150-36	36V, 0~4.2A	±5%	200mV	89%
LPV-150-48	48V, 0~3.2A	±5%	200mV	90%

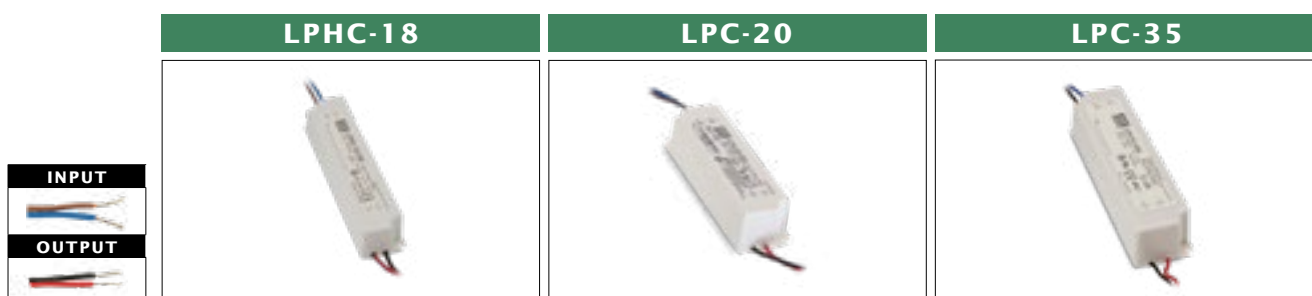
□ = Blank, L ;
Blank: AC input range 180~305VAC, L: AC input range 90~132VAC

Note: These products are not intended for lighting applications in the EU. (In the EU NPF/LPF/XLG series are recommended)

LP series 18~35W

Features

- **Constant current mode**
- LPHC-18: 180~264VAC input only
LPC-20/35: 90~264VAC input
- Withstand 300VAC surge input for 5 seconds (only for LPC-20/35)
- **Fully encapsulated with IP67 level**
- Isolation class II, no F.G.
- Class 2 power unit / Pass LPS
- Economic, high reliability
- Suitable for LED-based decorative / architectural lighting, LED stage, theater lighting, and LED electronic displays
- Protections: Short circuit / Over voltage / Over temperature (except for LPC-20/35)
- 2 years warranty



		LPHC-18	LPC-20	LPC-35
AC input voltage range		180~264VAC	90~264VAC	
AC inrush current (max.)		Cold start, 50A at 230VAC	Cold start, 70A at 230VAC	Cold start, 55A at 230VAC
Over voltage protection		105%~135% rated output voltage		
Withstand voltage		I/P-O/P: 3kVAC		
Working temperature		-30~+70°C		
Vibration		10~500Hz, 2G 10 minutes /1 cycle, period for 60 minutes each along X, Y, Z axes		
Safety standards		TUV EN62368-1, EAC TP TC 004	LPC-20: UL1310, UL879, TUV EN62368-1, EAC TP TC 004 approved LPC-35: UL1310, EAC TP TC 004 approved	
EMC standards		EN55032 class A, EN55024, EN61000-3-2 class A, EN61000-3-3, EAC TP TC 020, EN61000-4-2,3,4,5,6,8,11	EN55032 class B, EN55024, EN61000-3-2 class A, EN61000-3-3, EAC TP TC 020, EN61000-4-2,3,4,5,6,8,11	
Connection	Input	UL rated, 18AWGx2C (30cm)	UL rated, 18AWGx2C (60cm)	UL rated, 18AWGx2C (60cm)
	Output			UL rated, 16AWGx2C (60cm)
Dimension (LxWxH)(mm)		140x 30x 22	118x 35x 26	148x 40x 30

LPHC-18 Series



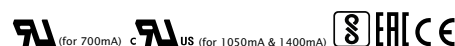
Model No.	Output	Io Tol.	R&N	Effi.
LPHC-18-350	6~48V, 350mA	±8%	300mV	80%
LPHC-18-700	6~25V, 700mA	±8%	250mV	80%

LPC-20 Series



Model No.	Output	Io Tol.	R&N	Effi.
LPC-20-350	9~48V, 350mA	±5%	200mV	83%
LPC-20-700	9~30V, 700mA	±5%	200mV	83%

LPC-35 Series



Model No.	Output	Io Tol.	R&N	Effi.
LPC-35-700	9~48V, 700mA	±5%	200mV	85%
LPC-35-1050	9~30V, 1050mA	±5%	200mV	85%
LPC-35-1400	9~24V, 1400mA	±5%	200mV	85%

Note: These products are not intended for lighting applications in the EU.(In the EU NPF/LPF/XLG series are recommended)

LP series 60~150W

Features

- **Constant current mode**
- LPC-60/100: 90~264VAC input
LPC-150: 180~305VAC input only
- High efficiency up to 90%
- **Fully encapsulated with IP67 level**
- Isolation class II, no F.G.
- Class 2 power unit / Pass LPS (LPC-60)
- Economic, high reliability
- Suitable for LED-based decorative / architectural lighting, LED stage, theater lighting, and LED electronic displays
- Protections: Short circuit / Over voltage / Over temperature (LPC-150 only)
- 2 years warranty

		LPC-60	LPC-100	LPC-150
INPUT 60W / 100W 150W  OUTPUT 60W / 100W 150W 				
		AC input voltage range		
		90~264VAC; 127~370VDC		
		AC inrush current (max.)		
		Cold start, 60A at 230VAC		
		Over voltage protection		
		105%~135%		
		Withstand voltage		
		I/P-O/P: 3kVAC		
		Working temperature		
		-30~+70°C		
		Vibration		
		10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes		
		Safety standards		
		IEC62368-1, UL1310, EAC TP TC 004 approved		
		EMC standards		
		EN55032 class B, EN55024, EN61000-3-2 class A, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EAC TP TC 020		
Connection	Input	UL rated, 18AWG x2C (60cm)	UL rated, 18AWG x2C (30cm)	UL rated, SJTW 18AWG x2C (30cm)
	Output	UL rated, 16AWG x2C (60cm)	UL rated, 18AWG x2C (30cm)	UL rated, SJTW 18AWG x2C (30cm)
Dimension (LxWxH)(mm)		162.5x 42.5x 32	190x 52x 37	191x 63x 37.5

LPC-60 Series



Model No.	Output	Io Tol.	R&N	Effi.
LPC-60-1050	9~48V, 1050mA	±5%	200mV	87%
LPC-60-1400	9~42V, 1400mA	±5%	200mV	85%
LPC-60-1750	9~34V, 1750mA	±5%	200mV	87%

LPC-100 Series



Model No.	Output	Io Tol.	R&N	Effi.
LPC-100-350	143~286V, 350mA	±5%	1.5V	90%
LPC-100-500	100~200V, 500mA	±5%	1.5V	90%
LPC-100-700	72~143V, 700mA	±5%	1.0V	90%
LPC-100-1050	48~96V, 1050mA	±5%	1.0V	90%
LPC-100-1400	36~72V, 1400mA	±5%	1.0V	89.5%
LPC-100-1750	29~58V, 1750mA	±5%	1.0V	89.5%
LPC-100-2100	24~48V, 2100mA	±5%	1.0V	89%

LPC-150 Series



Model No.	Output	Io Tol.	R&N	Effi.
LPC-150-350	215~430V, 350mA	±5%	2.0V	90%
LPC-150-500	150~300V, 500mA	±5%	1.5V	90%
LPC-150-700	107~215V, 700mA	±5%	1.0V	90%
LPC-150-1050	72~144V, 1050mA	±5%	1.0V	90%
LPC-150-1400	54~108V, 1400mA	±5%	1.0V	90%
LPC-150-1750	43~86V, 1750mA	±5%	1.0V	90%
LPC-150-2100	36~72V, 2100mA	±5%	1.0V	90%
LPC-150-2450	31~62V, 2450mA	±5%	1.0V	90%
LPC-150-2800	27~54V, 2800mA	±5%	1.0V	90%
LPC-150-3150	24~48V, 3150mA	±5%	1.0V	90%

Note: These products are not intended for lighting applications in the EU.(In the EU NPF/LPF/XLG series are recommended)

Plastic Case

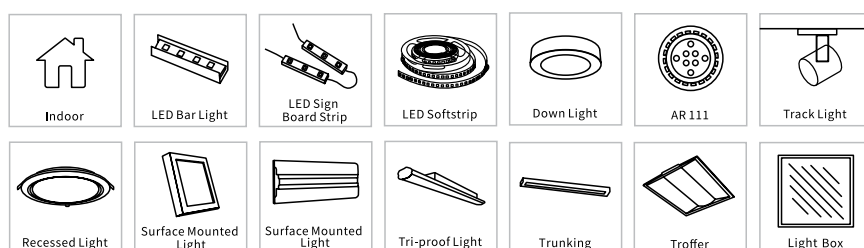
with PFC + Cable

- 14 NPF Series (40~120W)
- 15 LPF Series (16~90W)
- 17 PWM Series (40~200W)
- 19 ODLV Series (45~65W)
- 20 ODLC Series (45~65W)
- 21 PLD Series (16~60W)
- 22 PCD Series (16~60W)
- 23 PLN Series (20~96W)
- 24 HLN Series (40~80W)
- 25 OWA Series (60~120W)
- 26 GSV Series (30~60W)



MEAN WELL provides various kinds of LED drivers for indoor lighting luminaires. In general, LED drivers for plastic housing can be categorized into independent and built-in types. For example, NPF,LPF,PWM and OWA series feature the waterproof function and can be used externally as an independent driver control gear or built-in with luminaires,especially for high humidity or semi-outdoor environment. While, ODLC/ODLV/PLD/PCD series are for built-in indoor design luminaires, such as recessed light/down light/Canopy luminaires. The above-mentioned LED drivers are equipped with 0-10V dimming, DALI dimming or PWM style output dimming function respectively. Furthermore, if auxiliary power is needed for intelligent control products,ODLC/ODLV-45/60 series is a perfect fit.

Application



NPF series 40~120W

Features

- Constant voltage+constant current modes (D-Type: Constant current mode only)
- Universal AC input (90 to 305VAC) / Full range
- High efficiency up to 90%
- No load power consumption <0.15W (<0.5W for D-Type)
- Fully isolated plastic case with IP67 level
- Isolation class II, no F.G.
- Class 2 power unit [except for NPF-90(D)-12/15 & NPF-120(D)]
- Type HL LED Driver for use in Class I, Division 2 hazardous location luminaires [except for NPF-90(D)]
- D-Type: Built-in 3 in 1 dimming function (0~10VDC, PWM signal or resistance)
- BE-Type: Built-in 3 in 1 dimming function (0~10VDC, PWM signal or resistance) and 12V/200mA auxiliary output for 120W only
- Suitable for dry, damp, and wet location
- Protections: Short circuit / Over current / Over voltage / Over temperature
- 5 years warranty

INPUT		OUTPUT (NPF-40D/60D)		NPF-40(D)/60(D)	NPF-90(D)	NPF-120(D)
						
OUTPUT (NPF-40/60/90/120)		OUTPUT (NPF-90D/120D)				
						
AC input voltage range				90~305VAC; 127~431VDC		
AC inrush current (max.)				Cold start, 50A at 230VAC		Cold start, 60A at 230VAC
Over current protection				95%~108% constant current limiting, auto-recovery		
Over voltage protection				110%~140% rated output voltage		
Over temp. protection				Shut down o/p voltage, re-power on to recover		
Setup, rise, hold up time				500ms, 80ms, 16ms at full load and 230VAC		
Total harmonic distortion				THD<20%		
Withstand voltage				I/P-O/P: 3.75kVAC		
Working temperature				Tcase= -40~+85°C (refer to "OUTPUT LOAD vs TEMPERATURE")		Tcase= -40~+90°C
Safety standards				UL8750, ENEC EN61347-1, EN61347-2-13, EN62384 approved, GB19510.14, GB19510.1, EAC TP TC 004, UL879 [for NPF-40(D)/60(D)12V,24V only]		
EMC standards				EN55015, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547, GB17743, GB17625.1, EAC TP TC 020		
Connection	Input	UL rated, SJTW 18AWGx2C (30cm)				
	Output	NPF-40/60: SVT 18AWGx 2C (30cm) NPF-40D/60D: UL2464 18AWG x2C (30cm)+ 22AWG x2C (30cm)		NPF-90: SJTW 16AWGx2C (30cm) NPF-90D: SJTW 16AWGx2C (30cm)+ UL2464 18AWGx2C (30cm)		NPF-120: SJTW 14AWGx2C (30cm) NPF-120D: SJTW 14AWGx2C (30cm)+ UL2464 18AWGx2C (30cm) [UL2464 22AWGx3C(30cm) for BE-Type]
Dimension (LxWxH) (mm)				150x 53x 35		171x 63x 37.5
						191x 63x 37.5

NPF-40 Series



Model No.	Output	Tol.	R&N	Io Ripple (D-Type)	Effi.
NPF-40□-12○	12V, 0~3.34A	±4%	150mV	5%	86%
NPF-40□-15○	15V, 0~2.67A	±4%	150mV	5%	87%
NPF-40□-20○	20V, 0~2A	±4%	150mV	5%	88%
NPF-40□-24○	24V, 0~1.67A	±3%	150mV	5%	89%
NPF-40□-30○	30V, 0~1.34A	±3%	200mV	5%	89%
NPF-40□-36○	36V, 0~1.12A	±2%	200mV	5%	90%
NPF-40□-42○	42V, 0~0.96A	±1%	200mV	5%	90%
NPF-40□-48○	48V, 0~0.84A	±1%	200mV	5%	90%
NPF-40□-54○	54V, 0~0.76A	±1%	350mV	5%	90%

NPF-60 Series



Model No.	Output	Tol.	R&N	Io Ripple (D-Type)	Effi.
NPF-60□-12○	12V, 0~5A	±4%	150mV	5%	86%
NPF-60□-15○	15V, 0~4A	±4%	150mV	5%	87%
NPF-60□-20○	20V, 0~3A	±4%	150mV	5%	88%
NPF-60□-24○	24V, 0~2.5A	±3%	150mV	5%	89%
NPF-60□-30○	30V, 0~2A	±3%	200mV	5%	90%
NPF-60□-36○	36V, 0~1.67A	±2%	200mV	5%	90%
NPF-60□-42○	42V, 0~1.43A	±1%	200mV	5%	90%
NPF-60□-48○	48V, 0~1.25A	±1%	200mV	5%	90%
NPF-60□-54○	54V, 0~1.12A	±1%	350mV	5%	90%

NPF-90 Series



Model No.	Output	Tol.	R&N	Io Ripple (D-Type)	Effi.
NPF-90□-12○	12V, 0~7.5A	±4%	150mV	5%	88%
NPF-90□-15○	15V, 0~6A	±4%	150mV	5%	89%
NPF-90□-20○	20V, 0~4.5A	±4%	150mV	5%	90%
NPF-90□-24○	24V, 0~3.75A	±3%	150mV	5%	90%
NPF-90□-30○	30V, 0~3A	±3%	200mV	5%	89%
NPF-90□-36○	36V, 0~2.5A	±2%	200mV	5%	90%
NPF-90□-42○	42V, 0~2.15A	±1%	250mV	5%	90%
NPF-90□-48○	48V, 0~1.88A	±1%	250mV	5%	90%
NPF-90□-54○	54V, 0~1.67A	±1%	350mV	5%	90%

NPF-120 Series



Model No.	Output	Tol.	R&N	Io Ripple (D-Type)	Effi.
NPF-120□-12△	12V, 0~10A	±4%	150mV	5%	87.5%
NPF-120□-15△	15V, 0~8A	±4%	150mV	5%	88%
NPF-120□-20△	20V, 0~6A	±4%	150mV	5%	89%
NPF-120□-24△	24V, 0~5A	±4%	150mV	5%	89.5%
NPF-120□-30△	30V, 0~4A	±3%	200mV	5%	89%
NPF-120□-36△	36V, 0~3.4A	±2%	200mV	5%	89.5%
NPF-120□-42△	42V, 0~2.9A	±1%	250mV	5%	89.5%
NPF-120□-48△	48V, 0~2.5A	±1%	250mV	5%	90%
NPF-120□-54△	54V, 0~2.3A	±1%	350mV	5%	90%

□ = Blank, D ; Blank: without dimming function , D: with dimming function △ = Blank, BE ; Blank: without auxiliary output , BE: D-Type with auxiliary function

LPF series 16~40W

Features

- Constant voltage+constant current modes (D-Type: Constant current mode only)
- Universal AC input (90 to 305VAC) / Full range
- Isolation class II, no F.G.
- Class 2 power unit
- Fully encapsulated with IP67 level [optional for LPF-16(D)]
- Built-in 3 in 1 dimming function (1~10VDC, PWM signal or resistance) for D type
- Suitable for LED lighting with independent applications
- Suitable for dry, damp, and wet location
- Protections: Short circuit / Over current / Over voltage / Over temperature
- 5 years warranty

		LPF-16(D)/25(D)	LPF-40(D)
INPUT			
OUTPUT (Non-Dimming Models)			
OUTPUT (Dimming Models)			
AC input voltage range		90~305VAC ; 127~431VDC	
AC inrush current (max.)		LPF-16(D): Cold start, 45A at 230VAC LPF-25(D): Cold start, 50A at 230VAC	Cold start, 50A
Over current protection		95% ~108% constant current, auto-recovery	
Over voltage protection		110%~150% rated output voltage	
Setup, rise, hold up time		500ms, 80ms, 16ms at full load and 230VAC	
Withstand voltage		I/P - O/P: 3.75kVAC	
Working temperature		Tcase= -35~+70°C (refer to "OUTPUT LOAD vs TEMPERATURE")	Tcase= -40~+80°C (refer to "OUTPUT LOAD vs TEMPERATURE")
Safety standards		UL8750, ENEC EN61347-1, EN61347-2-13, EN62384, PSE J61347-1, J61347-2-13, EAC TP TC 004, GB19510.14, GB19510.1 approved; TUV EN61347-1, EN61347-2-13 approved for LPF-40(D)	
EMC standards		EN55015, EN61547, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EAC TP TC 020, GB17743, GB17625.1	
Connection	Input	UL rated, SJTW 18AWGx2C (30cm)	
	Output	LPF-16/25: UL rated, SVT 18AWGx2C (30cm) LPF-16D/25D: UL rated, SJTW 18AWGx4C (30cm)	LPF-40: UL rated, SVT 18AWGx2C (30cm) LPF-40D: UL2464, 18AWGx2C(30cm)+22AWGx2C (30cm)
Dimension (LxWxH)(mm)		148x 40x 32	162.5x 43x 32

LPF-16 Series



Model No.	Output	Tol.	R&N	Effi.
LPF-16□-12	12V, 0~1.34A	±5%	150mV	83.0%
LPF-16□-15	15V, 0~1.07A	±5%	150mV	83.0%
LPF-16□-20	20V, 0~0.80A	±5%	150mV	84.5%
LPF-16□-24	24V, 0~0.67A	±5%	150mV	84.5%
LPF-16□-30	30V, 0~0.54A	±5%	200mV	84.5%
LPF-16□-36	36V, 0~0.45A	±5%	250mV	85.0%
LPF-16□-42	42V, 0~0.39A	±5%	250mV	85.0%
LPF-16□-48	48V, 0~0.34A	±5%	250mV	85.0%
LPF-16□-54	54V, 0~0.30A	±5%	350mV	84.5%

□ = Blank, D ; Blank: without dimming function , D: with dimming function

LPF-25 Series



Model No.	Output	Tol.	R&N	Effi.
LPF-25□-12	12V, 0~2.10A	±4%	150mV	84.0%
LPF-25□-15	15V, 0~1.67A	±4%	150mV	84.0%
LPF-25□-20	20V, 0~1.25A	±4%	150mV	85.0%
LPF-25□-24	24V, 0~1.05A	±4%	150mV	85.5%

Model No.	Output	Tol.	R&N	Effi.
LPF-25□-30	30V, 0~0.84A	±4%	200mV	85.5%
LPF-25□-36	36V, 0~0.70A	±4%	250mV	85.5%
LPF-25□-42	42V, 0~0.60A	±4%	250mV	85.5%
LPF-25□-48	48V, 0~0.53A	±4%	250mV	86.0%
LPF-25□-54	54V, 0~0.47A	±4%	350mV	86.0%

□ = Blank, D ; Blank: without dimming function , D: with dimming function

LPF-40 Series



Model No.	Output	Tol.	R&N	Effi.
LPF-40□-12	12V, 0~3.34A	±4%	150mV	84.0%
LPF-40□-15	15V, 0~2.67A	±4%	150mV	85.0%
LPF-40□-20	20V, 0~2.00A	±4%	150mV	86.0%
LPF-40□-24	24V, 0~1.67A	±4%	150mV	87.0%
LPF-40□-30	30V, 0~1.34A	±4%	200mV	88.0%
LPF-40□-36	36V, 0~1.12A	±4%	250mV	88.0%
LPF-40□-42	42V, 0~0.96A	±4%	250mV	88.5%
LPF-40□-48	48V, 0~0.84A	±4%	250mV	89.0%
LPF-40□-54	54V, 0~0.76A	±4%	350mV	89.0%

□ = Blank, D ; Blank: without dimming function , D: with dimming function

Note: LPF series upgraded with global certificate cable for Non-Dimming types.

LPF series 60~90W

Features

- Constant voltage+constant current modes (D-Type: Constant current mode only)
- LPF: 90~305VAC input
LPFH: 200~400VAC input
- Fully isolated plastic case with IP67 level
- Isolation class II, no F.G.
- Class 2 power unit
- Type HL LED Driver for use in Class I, Division 2 hazardous location luminaires [LPFH-60(D) & LPF-90(D) only]
- Built-in 3 in 1 dimming function (1~10VDC, PWM signal or resistance) for D-Type
- Suitable for LED lighting with independent applications
- Suitable for dry, damp, and wet location
- Protections: Short circuit / Over current / Over voltage / Over temperature
- 5 years warranty

		LPF-60(D)	LPF-90(D)	LPFH-60(D)
INPUT 				
	OUTPUT (Non-Dimming Models) 			
	OUTPUT (Dimming Models) 			
AC input voltage range		90~305VAC ; 127~431VDC		200~400VAC; 282~566VDC
AC inrush current (max.)		Cold start, 55A at 230VAC	Cold start, 70A at 230VAC	Cold start, 40A at 374VAC
Over current protection		95% ~108% constant current, auto-recovery		
Over voltage protection		110%~150% rated output voltage		
Setup, rise, hold up time		500ms, 80ms, 16ms at full load and 230VAC	500ms, 200ms, 16ms at full load and 230VAC	500ms, 100ms, 10ms at full load and 347VAC
Withstand voltage		I/P - O/P: 3.75kVAC		I/P - O/P: 3kVAC
Working temperature		Tcase= -40~+80°C	Tcase= -40~+70°C	Tcase= -40~+90°C
Safety standards		UL8750, ENEC and TUV EN61347-1, EN61347-2-13, EAC TP TC 004, EN62384, PSE J61347-1, J61347-2-13, GB19510.14, GB19510.1		UL8750, EAC TP TC 004 approved
EMC standards		EN55015, EN61547, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, GB17743, GB17625.1, EAC TP TC 020		FCC part 15 class B, EAC TP TC 020
Connection	Input	UL rated, SJTW 18AWGx2C (30cm)		UL rated, UL1015 18AWGx2C (30cm)
	Output	LPF-60: UL rated, SVT 18AWGx2C (30cm) LPF-60D: UL2464 18AWGx2C(30cm)+22AWGx2C (30cm)	LPF-90: UL rated, SVT 18AWGx2C (30cm) LPF-90D: UL2464 18AWGx4C (30cm)	LPFH-60: UL rated, UL1015 18AWGx2C (30cm) LPFH-60D: UL rated, UL1015 18AWGx2C (30cm) +22AWGx2C (30cm)
Dimension (LxWxH)(mm)		162.5x 43x 32	161x 61x 36	162.5x 43x 32

LPF-60 Series

Model No.	Output	Tol.	R&N	Effi.
LPF-60-12	12V, 0~5.00A	±4%	150mV	86%
LPF-60-15	15V, 0~4.00A	±4%	150mV	87%
LPF-60-20	20V, 0~3.00A	±4%	150mV	88%
LPF-60-24	24V, 0~2.50A	±4%	150mV	89%
LPF-60-30	30V, 0~2.00A	±4%	200mV	90%
LPF-60-36	36V, 0~1.67A	±4%	250mV	90%
LPF-60-42	42V, 0~1.43A	±4%	250mV	90%
LPF-60-48	48V, 0~1.25A	±4%	250mV	90%
LPF-60-54	54V, 0~1.12A	±4%	350mV	90%

□ = Blank, D ; Blank: without dimming function , D: with dimming function

LPF-90 Series

Model No.	Output	Tol.	R&N	Effi.
LPF-90-15	15V, 0~5.00A	±4%	150mV	89.0%
LPF-90-20	20V, 0~4.50A	±4%	150mV	89.5%
LPF-90-24	24V, 0~3.75A	±4%	150mV	90.0%

Model No.	Output	Tol.	R&N	Effi.
LPF-90-30	30V, 0~3.00A	±4%	200mV	90.5%
LPF-90-36	36V, 0~2.50A	±4%	200mV	90.5%
LPF-90-42	42V, 0~2.15A	±4%	200mV	90.5%
LPF-90-48	48V, 0~1.88A	±4%	200mV	90.5%
LPF-90-54	54V, 0~1.67A	±4%	200mV	90.5%

□ = Blank, D ; Blank: without dimming function , D: with dimming function

LPFH-60 Series

Model No.	Output	Tol.	R&N	Effi.
LPFH-60-12	12V, 0~5.00A	±4%	150mV	86%
LPFH-60-15	15V, 0~4.00A	±4%	150mV	87%
LPFH-60-24	24V, 0~2.50A	±4%	150mV	89%
LPFH-60-36	36V, 0~1.67A	±4%	250mV	90%
LPFH-60-42	42V, 0~1.43A	±4%	250mV	90%
LPFH-60-48	48V, 0~1.25A	±4%	250mV	90%
LPFH-60-54	54V, 0~1.12A	±4%	350mV	90%

□ = Blank, D ; Blank: without dimming function , D: with dimming function

Note: LPF series upgraded with global certificate cable for Non-Dimming types.

PWM series 40~90W

Features

- Constant voltage PWM style output mode
- Universal AC input (90 to 305VAC) / Full range
- High efficiency up to 90.5%
- No load power consumption <0.5W
- Fully isolated plastic case with IP67 level
- Isolation class II, no F.G.
- Class 2 power unit (except for PWM-90-12 & PWM-120)
- Type HL LED Driver for use in Class I, Division 2 hazardous location luminaires (except for PWM-90)
- Built-in 3 in 1 dimming function (0~10VDC, PWM signal or resistance)
- Built-in DALI/Bluetooth mesh interface (except for PWM-40)
- Suitable for dry, damp, and wet location
- Suitable for LED strip lighting
- Protections: Short circuit / Overload / Over voltage / Over temp.
- 5 years warranty

	PWM-40	NEW PWM-60(DA/BLE) PWM-60-KN	PWM-90 PWM-90(DA)
INPUT			
OUTPUT (PWM-40/60)			
OUTPUT (PWM-90/120)			
AC input voltage range	90~305VAC; 127~431VDC		
AC inrush current (max.)	Cold start, 50A at 230VAC		Cold start, 60A at 230VAC
Overload protection	108%~130% hiccup mode, auto-recovery		
Over voltage protection	113%~142% rated output voltage (116%~142% rated output voltage for PWM-60-KN)		
Over temp. protection	Shut down o/p voltage, re-power on to recover		
Setup time	500ms / 115VAC or 230VAC		
Total harmonic distortion	THD<20%		
PWM output frequency	1.47kHz (200~4000Hz user changable via ETS for PWM-60-KN)		
Withstand voltage	I/P-O/P: 3.75kVAC		
Working temperature	Tcase= -40~+85°C(-35~+85°C for PWM-60-KN) (refer to "OUTPUT LOAD vs TEMPERATURE")		Tcase= -40~+90°C
Safety standards	UL8750(except for DA-Type & PWM-60-KN), UL879(PWM-40/60-12/24 only), CSA C22.2 No.250.13-12 (except for PWM-60-KN); ENEC EN61347-1, EN61347-2-13 independent, EN62384, IP67 (except for PWM-60-KN), BIS IS 15885 (for 12, 24, 48, Blank Type only), EAC TP TC 004, GB19510.1, GB19510.14 approved; Design refer to EN60335-1(except for PWM-60-KN)		
EMC standards	EN55015, EN61000-3-2 Class C (@load≥60%) ; EN61000-3-3, GB17743 and GB17625.1, EAC TP TC 020, EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547, light industry level (surge immunity Line-Line 2KV)		
Connection	Input	UL rated, SJTW 18AWGx2C (30cm)	
	Output	UL2464 18AWG x2C (30cm)+ 22AWG x2C (30cm)	PWM-60(DA): UL2464 18AWG x2C (30cm)+22AWG x2C (30cm) PWM-60-KN: UL2464 18AWG x2C (30cm)+20AWG x2C (35cm) SJTW 16AWGx2C (30cm)+ UL2464 18AWGx2C (30cm)
Dimension (LxWxH) (mm)	150x 53x 35	150x 53x 35	171x 63x 37.5

PWM-40 Series

Model No.	Output	Tol.	Effi.
PWM-40-12	12V, 0~3.34A	±4%	86.0%
PWM-40-24	24V, 0~1.67A	±3%	89.0%
PWM-40-36	36V, 0~1.12A	±2%	90.0%
PWM-40-48	48V, 0~0.84A	±1%	90.0%

PWM-60 Series

Model No.	Output	Tol.	Effi.
PWM-60-12	12V, 0~5A	±4%	86.0%
PWM-60-24	24V, 0~2.5A	±3%	89.0%
PWM-60-36	36V, 0~1.67A	±2%	90.0%
PWM-60-48	48V, 0~1.25A	±1%	90.0%

PWM-60-KN Series

Model No.	Output	Tol.	Effi.
PWM-60-12	12V, 0~5A	±4%	86.0%
PWM-60-24	24V, 0~2.5A	±3%	89.0%

□ = KN, KNBST; KN: KNX control technology
KNBST: KNX control technology with BST14 connector

PWM-90 Series

Model No.	Output	Tol.	Effi.
PWM-90-12	12V, 0~7.5A	±4%	88.0%
PWM-90-24	24V, 0~3.75A	±3%	90.5%
PWM-90-36	36V, 0~2.5A	±2%	90.5%
PWM-90-48	48V, 0~1.88A	±1%	90.5%

○ = Blank, DA, BLE; Blank: with 3 in 1 dimming function, DA/BLE: with DALI/Bluetooth mesh function (12V/24V only)

PWM series 120~200W

Features

- Constant voltage PWM style output mode
- Universal AC input (90 to 305VAC) / Full range
- High efficiency up to 94%
- No load power consumption <0.5W
- Fully isolated plastic case with IP67 level
- Isolation class II, no F.G.
- Type HL LED Driver for use in Class I, Division 2 hazardous location luminaires
- Built-in 3 in 1 dimming function
- (0~10VDC, PWM signal or resistance)
- Built-in DALI/Push Dim/KNX/Bluetooth mesh Dimming
- Suitable for dry, damp, and wet location
- Suitable for LED strip lighting
- Protections: Short circuit / Overload / Over voltage / Over temp.
- 5 years warranty

		PWM-120(DA/BLE) NEW PWM-120-KN	PWM-200(DA/BLE) PWM-200-KN
INPUT 			 Coming Soon
OUTPUT (PWM-40/60) 	OUTPUT (PWM-90/120) 		
AC input voltage range		90~305VAC; 127~431VDC	100~305VAC; 141~431VDC
AC inrush current (max.)		Cold start, 60A at 230VAC	Cold start, 65A at 230VAC
Overload protection		PWM-120(DA): 108%~120% hiccup mode, auto-recovery PWM-120-KN: 108%~130% hiccup mode, auto-recovery	108%~135% hiccup mode, auto-recovery
Over voltage protection		113%~142% rated output voltage	
Over temp. protection		Shut down o/p voltage, re-power on to recover	
Setup time		500ms / 115VAC or 230VAC	500ms / 230VAC
Total harmonic distortion		THD<20%	THD<10%
PWM output frequency		1.47kHz PWM-KN Series: 200~4000Hz user changable via ETS for PWM-KN Series	2kHz
Withstand voltage		I/P-O/P: 3.75kVAC	
Working temperature		Tcase= -40~+90°C (refer to "OUTPUT LOAD vs TEMPERATURE")	
Safety standards		UL8750(except for PWM-120-12DA-Type & PWM-120-KN), CSA C22.2 No. 250.13-12(except for PWM-120-KN); ENEC EN61347-1,EN62384, EN61347-2-13 independent, IP67(except for PWM-120-KN),BIS IS15885(for PWM-120-12,24only), EAC TP TC 004, GB19510.1,GB19510.14 approved; Design refer to EN60335-1	
EMC standards		EN55015, EN61000-3-2 Class C (@load≥60%) ; EN61000-3-3,GB17743 and GB17625.1,EAC TP TC 020, EN61000-4-2,3,4,5,6,8,11; EN61547, light industry level (surge immunity Line-Line 2KV)	
Connection	Input	Blank-Type/PWM-KN Series: UL rated, SJTW 18AWGx2C (30cm) DA-Type: SJOW 17AWGx2C (30cm) & H05RN-F 1.0mm ²	SJOW 17AWGx2C (30cm) & H05RN-F 1.0mm ²
	Output	Blank-Type: SJTW 14AWGx2C (30cm)+ UL2464 18AWGx2C (30cm) DA-Type: SJOW 17AWGx2C (30cm) & H05RN-F 1.0mm ² +UL2464 18AWGx2C (30cm) PWM-KN Series: SJOW 17AWGx2C (30cm)+ UL2464 20AWGx2C (35cm)	UL2464 18AWGx2C (35cm)+SJOW 17AWGx2C (30cm) & H05RN-F 1.0mm ² for 24V/36V/48V UL2464 18AWGx2C (35cm)+SJOW 14AWGx2C (30cm) & H05RN-F 1.0mm ² for 12V
Dimension (LxWxH) (mm)		191x 63x 37.5	195x 68x 39.5

PWM-120 Series			
Model No.	Output	Tol.	Effi.
PWM-120-12 ○	12V, 0~10A	±4%	88.0%
PWM-120-24 ○	24V, 0~5A	±4%	90.0%
PWM-120-36	36V, 0~3.4A	±2%	90.0%
PWM-120-48	48V, 0~2.5A	±1%	90.5%

PWM-200 Series			
Model No.	Output	Tol.	Effi.
PWM-200-12 ○	12V, 0~16.6A	±4%	92.0%
PWM-200-24 ○	24V, 0~8.3A	±4%	93.0%
PWM-200-36	36V, 0~5.5A	±2%	93.5%
PWM-200-48 ○	48V, 0~4.16A	±1%	94%

○ = Blank, DA, BLE, KN, KNBST;
 Blank: with 3 in 1 dimming function, DA: with DALI function, BLE: with Bluetooth mesh, KN: KNX control technology, KNBST: KNX control technology with BST14 connector

ODLV series 45~65W

Features

· Constant voltage PWM style output mode

· ODLV-45: 90~295VAC input

ODLV-65: 180~295VAC input only

· No load power consumption<0.5W (Blank-Type)

· High efficiency up to 90%

· Fully encapsulated with IP67 level

· Isolation class II, no FG

· Built-in 2 in 1 dimming (0~10VDC or PWM signal)

· Built-in 12V/50mA auxiliary output (A-Type)

· Suitable for LED strip lighting

· Protection: Short circuit / Over current

· 3 years warranty

INPUT		ODLV-45(A)	ODLV-65(A)
			
OUTPUT (Blank-Type)	OUTPUT (A-Type)		
Vo-	AUX-		
Vo+	AUX+		
DIM-	Vo-		
DIM+	Vo+		
	DIM-		
	DIM+		
AC input voltage range		90 ~ 295VAC ; 127 ~ 417VDC	180 ~ 295VAC; 254~417VDC
AC inrush current (max.)		Cold start, 30A at 230VAC	
Setup time		500ms / 230VAC	
Short circuit protection		Shut down O/P voltage, re-power on to recovery	
PWM dimming signal		10V PWM signal, frequency range 300Hz~3kHz	
Total harmonic distortion		THD<20%	
Withstand voltage		I/P-O/P: 3.75KVAC	
Working temperature		Tcase= -20~+85°C (refer to "OUTPUT LOAD vs TEMPERATURE")	
Safety standards		UL8750, ENEC EN61347-1, EN61347-2-13, EN62384, GB19510.14, GB19510.1, BIS IS15885(for 12V, 24V, 48V only), EAC TP TC 004 approved	
EMC standards		EN55015, EN61000-3-2 Class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547, GB17743, GB17625.1, EAC TP TC 020	
Connection	Input	SVT 18AWGx2C (20cm)	
	Output	Blank-Type: UL1007 18AWGx2C(20cm) + UL1007 22AWGx2C(15cm) A-Type: UL1007 18AWGx2C(20cm) + UL1007 22AWGx2C(15cm) + UL1007 22AWGx2C(15cm)	
Dimension (LxWxH) mm		111 x 77 x 28.5	121 x 77 x 28.5

► PWM Series with Multi-Dimming Functions:



PWM-60/90/120/200 Series

Multi-Dimming Function LED Driver and Wireless IoT Solutions

- 0-10V
- PWM
- Resistance
- Push Dimming
- DALI / DALI 2.0
- KNX
- Bluetooth Mesh
- WiFi.....and so on





3rd Party APPs • APP

Gateway Router

Building Lighting with Bluetooth Mesh Solution

Note: Please refer to page 17-18 for PWM Series

ODLV-45/45A Series

Model No.	Output	Tol.	Effi.
ODLV-45□-12	12V, 0~3A	±10%	84%
ODLV-45□-24	24V, 0~1.88A	±10%	86%
ODLV-45□-36	36V, 0~1.25A	±10%	88%
ODLV-45□-48	48V, 0~0.94A	±10%	88%
ODLV-45□-60	60V, 0~0.75A	±10%	90%

□ = Blank/A; Blank: without auxiliary output, A: with auxiliary function

ODLV-65/65A Series

Model No.	Output	Tol.	Effi.
ODLV-65□-12	12V, 0~4.2A	±10%	85%
ODLV-65□-24	24V, 0~2.4A	±10%	87%
ODLV-65□-36	36V, 0~1.8A	±10%	88%
ODLV-65□-48	48V, 0~1.35A	±10%	89%
ODLV-65□-60	60V, 0~1.08A	±10%	90%

□ = Blank/A; Blank: without auxiliary output, A: with auxiliary function

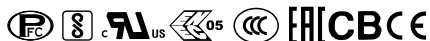
ODLC series 45~65W

Features

- Constant Current mode
- Flicker free design
- ODLC-45: 90~295VAC input, ODLC-65: 180~295VAC input
- No load power consumption <0.5W (Blank/DA-Type)
- Fully encapsulated with IP67 level
- Isolation class II, no FG
- Built-in DALI interface (ODLC-45/65-DA)
- Built-in 2 in 1 dimming (0~10VDC or PWM signal)
- Built-in 12V/50mA auxiliary output (A-Type)
- Suitable for LED lighting applications
- Protection: Short circuit / Over current
- 3 years warranty

INPUT		ODLC-45(A)&ODLC-45DA	ODLC-65(A)&ODLC-65DA
			
OUTPUT (Blank/DA-Type)	OUTPUT (A-Type)		
Vo- Vo+ DIM-/DA- DIM+/DA+	AUX- AUX+ Vo- Vo+ DIM- DIM+		
AC input voltage range		90 ~ 295VAC ; 127 ~ 417VDC	180 ~ 295VAC ; 254~417VDC
AC inrush current (max.)		Cold start, 30A at 230VAC	
Setup time		500ms / 230VAC	
PWM dimming signal		10V PWM signal, frequency range 300Hz~3kHz	
Total harmonic distortion		THD<20%	
Short circuit protection		Hiccup mode, auto-recovery	
Withstand voltage		I/P-O/P: 3.75KVAC	
Working temperature		Tcase= -20~+85°C	
Safety standards		UL8750, ENEC EN61347-1, EN61347-2-13, EN62384, GB19510.14, GB19510.1, EAC TP TC 004, BIS 15885 (refer to spec for models) approved	
DALI standards		IEC 62386-101, 102 (DA-Type only)	
EMC standards		EN55015, EN61000-3-2 Class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547, GB17743, GB17625.1, EAC TP TC 020	
Connection	Input	SVT 18AWGx2C (20cm)	
	Output	Blank/DA-Type: UL1007 18AWGx2C(20cm) + UL1007 22AWGx2C(15cm) A-Type: UL1007 18AWGx2C(20cm) + UL1007 22AWGx2C(15cm) + UL1007 22AWGx2C(15cm)	
Dimension (LxWxH) mm		111 x 77 x 28.5	121 x 77 x 28.5

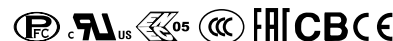
ODLC-45 Series



Model No.	Output	Tol.	Effi.
ODLC-45□-350○	57 ~ 95V, 350mA	±7%	86%
ODLC-45□-500○	54 ~ 90V, 500mA	±7%	85%
ODLC-45□-700○	38 ~ 64V, 700mA	±7%	85%
ODLC-45□-1050○	26 ~ 43V, 1050mA	±7%	84%
ODLC-45□-1400○	19 ~ 32V, 1400mA	±7%	83%

□ = Blank/A; Blank: without auxiliary output, A: with auxiliary function
○ = Blank or DA (without Auxiliary power)

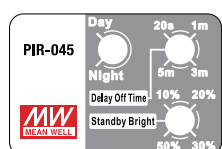
ODLC-65 Series



Model No.	Output	Tol.	Effi.
ODLC-65□-700○	69 ~ 93V, 700mA	±7%	88%
ODLC-65□-1050○	46 ~ 62V, 1050mA	±7%	86%
ODLC-65□-1400○	34 ~ 46V, 1400mA	±7%	85%
ODLC-65□-1750○	27 ~ 36V, 1750mA	±7%	85%

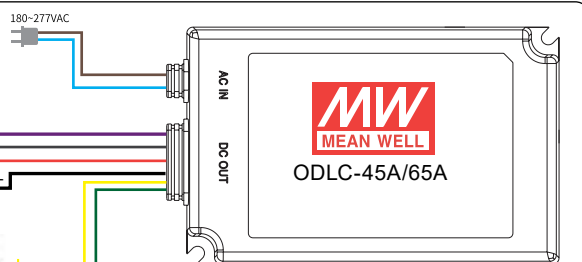
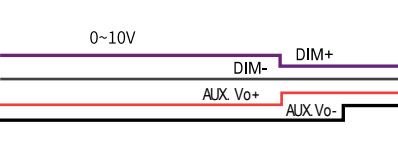
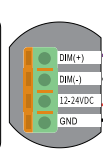
□ = Blank/A; Blank: without auxiliary output, A: with auxiliary function
○ = Blank or DA (without Auxiliary power)

Intelligent dimming control



Photoelectric Motion Sensor

(Or please refer to page 31 for Wireless Dimming control)



PLD series 16~60W

Features

- **Constant current mode**
- PLD-16: 115VAC or 230VAC input
PLD-25: 90~295VAC input
PLD-40/60: 230VAC input only
- Fully isolated plastic case with IP42 level
- Isolation class II, no F.G.
- Class 2 power unit / Pass LPS (PLD-16/25)
- Suitable for indoor LED lighting applications
- Protections: Short circuit / Over temperature
- 3 years warranty

		PLD-16	PLD-25	PLD-40	PLD-60
INPUT A-Type B-Type PLD-25 ACN ACN ACN OUTPUT V+ V-					
AC input voltage range		115VAC (90~135VAC) or 230VAC (180~295VAC)		90~295VAC	
AC inrush current (max.)		Cold start, 20A at 230VAC		Cold start, 25A at 230VAC	
Setup time		500ms at full load and 230VAC			
Total harmonic distortion		THD<20%			
Withstand voltage		I/P - O/P: 3.75kVAC			
Short circuit protection		Hiccup mode, auto-recovery			
Over temp. protection		Shut down o/p voltage, re-power on to recover		Shut down o/p voltage, auto-recovery	
Working temperature		-30~+50°C		-30~+60°C	
Safety standards		-30~+50°C			
EMC standards		-30~+45°C			
Safety standards		UL8750 (PLD-16/25 only), ENEC EN61347-1, EN61347-2-13, EAC TP TC 040, BIS IS15885 (refer to sepc for models), EN62384 (except for PLD-16 A-Type) GB19510.14, GB19510.1 (except for PLD-60)			
EMC standards		EN55015 (except for PLD-16 A-Type), EN61000-3-2 Class C, EN61000-3-3, EN61000-4,2,3,4,5,6,8,11, EN61547, FCC part 18 non-consumer equipment (PLD-16 A-Type, PLD-25), GB17743, EAC TP TC 020, GB17625.1(except for PLD-60)			
Connection	Input	PLD-16 A-Type: UL1430 18AWGx2C (7.5cm) PLD-16 B-Type & PLD-25: NISPT-1 18AWGx2C (7.5cm) PLD-40/60: H03VVH2-F 0.75mm ² x2C (7.5cm)			
	Output	UL1430 18AWGx2C (15cm)			
Dimension (LxWxH)(mm)		84x 57x 29.5			128x 60x 31.5

PLD-16 Series



Model No.	Output	Io Tol.	R&N	Effi.
PLD-16-350 □	24~48V, 350mA	±5%	4.6V	84.5%
PLD-16-700 □	16~24V, 700mA	±5%	2.7V	84.5%
PLD-16-1050 □	12~16V, 1050mA	±5%	2.2V	84.0%
PLD-16-1400 □	8~12V, 1400mA	±5%	2.0V	82.5%

□ = A or B-Type ; A-Type: 90~135VAC, B-Type: 180~295VAC

PLD-25 Series



Model No.	Output	Io Tol.	R&N	Effi.
PLD-25-350	36~58V, 350mA	±5%	4.6V	85%
PLD-25-700	24~36V, 700mA	±5%	2.7V	86%
PLD-25-1050	16~24V, 1050mA	±5%	2.2V	85%
PLD-25-1400	12~18V, 1400mA	±5%	2.0V	84%

PLD-40 Series



Model No.	Output	Io Tol.	R&N	Effi.
PLD-40-350B	70~108V, 350mA	±5%	9.5V	88%
PLD-40-500B	45~80V, 500mA	±5%	5.0V	88%
PLD-40-700B	34~57V, 700mA	±5%	3.1V	87%
PLD-40-1050B	22~38V, 1050mA	±5%	2.6V	87%
PLD-40-1400B	17~29V, 1400mA	±5%	2.5V	86%
PLD-40-1750B	13~23V, 1750mA	±5%	2.4V	86%

PLD-60 Series



Model No.	Output	Io Tol.	R&N	Effi.
PLD-60-500B	70~108V, 500mA	±5%	10.2V	88%
PLD-60-700B	50~86V, 700mA	±5%	5.6V	87%
PLD-60-1050B	34~57V, 1050mA	±5%	3.8V	87%
PLD-60-1400B	25~43V, 1400mA	±5%	3.4V	86%
PLD-60-1750B	20~34V, 1750mA	±5%	3.3V	86%
PLD-60-2000B	18~30V, 2000mA	±5%	2.4V	86%
PLD-60-2400B	15~25V, 2400mA	±5%	2.4V	85%

PCD series 16~60W

Features

- **Constant current mode**
- PCD-16/25: 115VAC or 230VAC input
PCD-40/60: 230VAC input only
- **AC phase-cut dimming**, work with leading edge and trailing edge TRIAC dimmers
- Fully isolated plastic case with IP42 level
- Isolation class II, no F.G.
- Class 2 power unit / Pass LPS (PCD-16/25)
- Protections: Short circuit / Over temperature
- 3 years warranty

INPUT (A type)		PCD-16/25	PCD-40/60
ACN			
INPUT (B type)		OUTPUT	
ACN		Vo-	Vo+
AC input voltage range		115VAC (90~135VAC) or 230VAC (180~295VAC)	230VAC (180~295VAC)
AC inrush current (max.)		Cold start, 10A at 230VAC	PCD-40: Cold start, 11A at 230VAC PCD-60: Cold start, 13A at 230VAC
Setup time		500ms at full load and 230VAC	
Total harmonic distortion		THD<20%	
Withstand voltage		I/P - O/P: 3.75kVAC	
Working temperature		-30~+60°C (refer to output derating curve)	PCD-40: -30~+50°C ; PCD-60: -30~+45°C
Safety standards		UL8750 (PCD-16/25 only), ENEC EN61347-1, EN61347-2-13, EN62384 (except for PCD-16/25 A-Type), GB19510.14, GB19510-1, EAC TP TC 004, BIS ISI5885 (PCD-16/25-350B/700B)	
EMC standards		EN55015(except for PCD-16/25 A-Type), EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8, 11, EN61547; FCC part 18 non-consumer equipment (for PCD-16/25 A-Type), GB17743, GB17625.1, EAC TP TC 020	
Connection	Input	A-Type: UL1430 18AWGx2C (7.5cm); B-Type: NISPT-1 18AWGx2C (7.5cm)	H03VVH2-F 0.75mm ² x2C (7.5cm)
	Output	UL1430 18AWGx2C (15cm)	
Dimension (LxWxH)(mm)		84x 57x 29.5	128x 60x 31.5

PCD-16 Series		FC	CE	CB	CE
		(B-Type) (A-Type) (for 350B, 700B) (Optional)	(B-Type) (B-Type)		

Model No.	Output	Io Tol.	R&N	Effi.
PCD-16-350 □	24~48V, 350mA	±5%	4.6V	82.0%
PCD-16-700 □	16~24V, 700mA	±5%	2.7V	81.0%
PCD-16-1050 □	12~16V, 1050mA	±5%	2.2V	80.5%
PCD-16-1400 □	8~12V, 1400mA	±5%	2.0V	80.0%

□ = A or B-Type ; A-Type: 90~135VAC, B-Type: 180~295VAC

PCD-25 Series		FC	CE	CB	CE
		(B-Type) (A-Type) (for 350B, 700B) (Optional)	(B-Type) (B-Type)		

Model No.	Output	Io Tol.	R&N	Effi.
PCD-25-350 □	40~58V, 350mA	±5%	4.6V	82.0%
PCD-25-700 □	24~36V, 700mA	±5%	2.7V	81.0%
PCD-25-1050 □	16~24V, 1050mA	±5%	2.2V	80.5%
PCD-25-1400 □	12~18V, 1400mA	±5%	2.0V	80.0%

□ = A or B-Type ; A-Type: 90~135VAC, B-Type: 180~295VAC

PCD-40 Series		FC	CE	CB	CE
		(Optional)			

Model No.	Output	Io Tol.	R&N	Effi.
PCD-40-350B	70~108V, 350mA	±5%	9.5V	87%
PCD-40-500B	45~80V, 500mA	±5%	5.0V	87%
PCD-40-700B	34~57V, 700mA	±5%	3.1V	86%
PCD-40-1050B	22~38V, 1050mA	±5%	2.6V	86%
PCD-40-1400B	17~29V, 1400mA	±5%	2.5V	85%
PCD-40-1750B	13~23V, 1750mA	±5%	2.4V	85%

PCD-60 Series

Model No.	Output	Io Tol.	R&N	Effi.
PCD-60-500B	70~108V, 500mA	±5%	10.2V	87%
PCD-60-700B	50~86V, 700mA	±5%	5.6V	86%
PCD-60-1050B	34~57V, 1050mA	±5%	3.8V	86%
PCD-60-1400B	25~43V, 1400mA	±5%	3.4V	85%
PCD-60-1750B	20~34V, 1750mA	±5%	3.3V	85%
PCD-60-2000B	18~30V, 2000mA	±5%	2.4V	85%
PCD-60-2400B	15~25V, 2400mA	±5%	2.4V	84%

Dimmer Compatibility Chart

Manufacturer	Dimmer Model	
LUTRON	SKYLARK SF-12P-277	(277VAC / 60Hz)
LUTRON	DVF-103P-277	(277VAC / 60Hz)
LUTRON	SKYLARK SF-10P	(120VAC / 60Hz)
LUTRON	SKYLARK S-600P	(120VAC / 60Hz)
LUTRON	SKYLARK DVF-103P	(120VAC / 60Hz)
LEVITON	ILLUMATECH TM Cat.No.IP106	(120VAC / 60Hz)
LEVITON	SURESLIDE TM Cat.No.6633-P	(120VAC / 60Hz)
LEVITON	SURESLIDE TM Cat. No.6615-P	(120VAC / 60Hz)
JUNG	Licht-Management 225 T DE	(230VAC / 50Hz)
JUNG	Licht-Management 225 NV DE	(230VAC / 50Hz)
BERKER	Tronic-Drehdimmer 286710	(230-240VAC / 50Hz)
BE LICHTREGLER	T39.01	(230VAC / 50Hz)
BE LICHTREGLER	T46	(230VAC / 50Hz)
CLIPSAL	32E450UDM	(220-240VAC / 50Hz)
CLIPSAL	NO 32E450TM	(220-240VAC / 50Hz)

- ▶ Conduction angle: 30 degrees (min.) / 180 degrees (max.)
- ▶ For PCD-16/25/40/60 only

PLN series 20~96W

Features

- Constant current mode (PLN-20/30/45/60)
- Constant current + constant voltage (PLN-100)
- Universal AC input (90 to 295VAC) / Full range
- Fully isolated plastic case with IP64 level
- Isolation class II, no F.G. for PLN-20/30
- Class 2 power unit / Pass LPS
- User adjustable output voltage (except for PLN-20) and current protection level
- Suitable for LED lighting with independent applications
- Protections: Short circuit / Over current / Over voltage / Over temperature
- 2 years warranty

		PLN-20	PLN-30	PLN-45/60	PLN-100		
INPUT							
PLN-20	PLN-30	PLN-45/60/100					
							
OUTPUT							
PLN-20	PLN-30/45/60/100						
							
							
AC input voltage range		90~277VAC; 127~392VDC		90~295VAC ; 127~417VDC			
AC inrush current (max.)		Cold start, 35A at 230VAC				Cold start, 40A at 230VAC	
DC adjustment range		None		95%~108%		85%~100%	
Current adjustment range		75%~100%		75%~103%			
Over current protection		95%~110% constant current limiting, auto-recovery		100%~110% constant current limiting, auto-recovery		95%~110% constant current limiting, auto-recovery	95%~102% constant current limiting, auto-recovery
Over voltage protection		105%~142%		110%~155%		115%~140%	107%~135%
Setup time		500ms at full load and 230VAC					
Total harmonic distortion		THD<20%					
Withstand voltage		I/P-O/P: 3.75kVAC			I/P-O/P: 3.75kVAC I/P-FG: 2kVAC O/P-FG: 1.5kVAC		
Working temperature		-30~+60℃		-30~+50℃ (refer to output derating curve)			
Safety standards		TUV EN61347-1, EN61347-2-13, EAC TP TC 004 approved for PLN series; UL8750 approved for PLN-20/45/60, UL879, UL1310 approved for PLN-30/45/60/100					
EMC standards		EN55015, EN55032 class B (PLN-100 only), EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547, EAC TP TC 020					
Connection	Input	UL rated, UL1015 18AWGx2C (32cm)		UL rated, SVT 18AWGx2C (32cm)		UL rated, SVT 18AWGx3C (30cm)	UL rated, SVT 18AWGx3C (31cm)
	Output					UL rated, SVT 18AWGx2C (30cm)	UL rated, SVT 18AWGx2C (31cm)
Dimension (LxWxH) (mm)		148.5x 38.5x 28		145x 47x 30		181x 61.5x 35	200x 70.5x 35

PLN-20 Series

Model No.	Output	Tol.	R&N	Effi.
PLN-20-12	12V, 0~1.6A	±10%	2.5V	80.0%
PLN-20-18	18V, 0~1.1A	±10%	3.0V	81.0%
PLN-20-24	24V, 0~0.8A	±10%	3.0V	82.0%
PLN-20-36	36V, 0~0.55A	±10%	3.0V	83.0%
PLN-20-48	48V, 0~0.42A	±10%	3.8V	83.5%

PLN-30 Series

Model No.	Output	Tol.	R&N	Effi.
PLN-30-9	9V, 0~3.3A	±10%	2.6V	80.0%
PLN-30-12	12V, 0~2.5A	±10%	2.0V	82.5%
PLN-30-15	15V, 0~2.0A	±10%	2.6V	83.5%
PLN-30-20	20V, 0~1.5A	±10%	2.6V	84.0%
PLN-30-24	24V, 0~1.25A	±10%	2.6V	84.0%
PLN-30-27	27V, 0~1.12A	±10%	2.3V	84.5%
PLN-30-36	36V, 0~0.84A	±10%	4.5V	85.0%
PLN-30-48	48V, 0~0.63A	±10%	3.7V	85.5%

PLN-45 Series

Model No.	Output	Tol.	R&N	Effi.
PLN-45-12	12V, 0~3.8A	±10%	2.0V	83.5%
PLN-45-15	15V, 0~3.0A	±10%	2.4V	85.0%
PLN-45-20	20V, 0~2.3A	±10%	1.8V	86.5%

Model No.	Output	Tol.	R&N	Effi.
PLN-45-24	24V, 0~1.9A	±10%	2.7V	86.5%
PLN-45-27	27V, 0~1.7A	±10%	2.7V	86.5%
PLN-45-36	36V, 0~1.25A	±10%	3.6V	87.5%
PLN-45-48	48V, 0~0.95A	±10%	4.6V	87.5%

PLN-60 Series

Model No.	Output	Tol.	R&N	Effi.
PLN-60-12	12V, 0~5.0A	±10%	2.0V	85.0%
PLN-60-15	15V, 0~4.0A	±10%	2.4V	86.0%
PLN-60-20	20V, 0~3.0A	±10%	1.8V	87.5%
PLN-60-24	24V, 0~2.5A	±10%	2.7V	87.0%
PLN-60-27	27V, 0~2.3A	±10%	2.7V	88.0%
PLN-60-36	36V, 0~1.7A	±10%	3.6V	89.0%
PLN-60-48	48V, 0~1.3A	±10%	4.6V	89.0%

PLN-100 Series

Model No.	Output	Tol.	R&N	Effi.
PLN-100-12	12V, 0~5.0A	±3%	150mV	83.0%
PLN-100-15	15V, 0~5.0A	±3%	150mV	85.0%
PLN-100-20	20V, 0~4.8A	±3%	150mV	88.5%
PLN-100-24	24V, 0~4.0A	±3%	150mV	88.5%
PLN-100-27	27V, 0~3.55A	±3%	150mV	88.0%
PLN-100-36	36V, 0~2.65A	±2%	150mV	88.0%
PLN-100-48	48V, 0~2.0A	±2%	200mV	88.5%

HLN series 40~80W

Features

- Constant voltage + constant current modes
- Universal AC input (90 to 305VAC) / Full range
- High efficiency up to 91%
- Fully isolated plastic case with IP64 level
- Class 2 power unit / Pass LPS
- Suitable for dry, damp location
- Suitable for LED lighting with independent applications

- Protections:
Short circuit / Over current / Over voltage / Over temperature
- Multiple models for choice:
A-Type: IP64 rated. Output voltage and constant current level can be adjusted through internal potentiometer
B-Type: IP64 rated and built-in 3 in 1 dimming function (1-10VDC, PWM signal, or resistance)
- 3 years warranty



AC input voltage range	90~305VAC; 127~431VDC		
AC inrush current (max.)	Cold start, 50A at 230VAC	Cold start, 55A at 230VAC	Cold start, 70A at 230VAC
DC adjustment range	±10% rated output voltage (A-Type only)		
Current adjustment range	60%~100%		
Over current protection	95%~108% constant current limiting, auto-recovery		
Over voltage protection	109%~150% rated output voltage		
Setup, rise, hold up time	500ms, 80ms, 16ms at full load and 230VAC		
Total harmonic distortion	THD<20%		
Withstand voltage	I/P-O/P: 3.75kVAC, I/P-FG: 2kVAC, O/P-FG:1.5kVAC		
Working temperature	-40~+50°C (refer to output derating curve)		
Safety standards	UL8750, TUV EN61347-1, EN61347-2-13, EAC TP TC 004 approved; Design refer to UL/EN60950-1, EN60335-1 for HLN-40H/60H		
EMC standards	EN55015, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547, EAC TP TC 020		
Connection	Input	UL rated, SVT 18AWGx3C (30cm)	
	Output	A-Type: UL rated, SVT 18AWGx2C (30cm) ; B-Type: UL rated, SVT 18AWGx4C (30cm)	
Dimension (LxWxH) (mm)	161x 61.5x 35		181x 61.5x 35

HLN-40H Series



Model No.	Output	Tol.	R&N	Effi.
HLN-40H-12(A)	12V, 0~3.33A	±2.5%	150mV	86.5%
HLN-40H-15(A)	15V, 0~2.67A	±2.0%	150mV	86.5%
HLN-40H-20(A)	20V, 0~2.00A	±1.0%	150mV	87.5%
HLN-40H-24(A)	24V, 0~1.67A	±1.0%	150mV	88.0%
HLN-40H-30(A)	30V, 0~1.34A	±1.0%	200mV	88.5%
HLN-40H-36(A)	36V, 0~1.12A	±1.0%	200mV	88.5%
HLN-40H-42(A)	42V, 0~0.96A	±1.0%	300mV	88.5%
HLN-40H-48(A)	48V, 0~0.84A	±1.0%	300mV	89.0%
HLN-40H-54(A)	54V, 0~0.75A	±1.0%	300mV	89.0%

○ = A or B

HLN-60H Series



Model No.	Output	Tol.	R&N	Effi.
HLN-60H-15(A)	15V, 0~4.0A	±2.0%	150mV	87.0%
HLN-60H-20(A)	20V, 0~3.0A	±1.0%	150mV	88.5%
HLN-60H-24(A)	24V, 0~2.5A	±1.0%	150mV	89.0%

Model No.	Output	Tol.	R&N	Effi.
HLN-60H-30(A)	30V, 0~2.0A	±1.0%	200mV	89.5%
HLN-60H-36(A)	36V, 0~1.70A	±1.0%	200mV	90.0%
HLN-60H-42(A)	42V, 0~1.45A	±1.0%	300mV	90.0%
HLN-60H-48(A)	48V, 0~1.30A	±1.0%	300mV	90.5%
HLN-60H-54(A)	54V, 0~1.15A	±1.0%	300mV	90.5%

○ = A or B

HLN-80H Series



Model No.	Output	Tol.	R&N	Effi.
HLN-80H-12(A)	12V, 0~5.0A	±2.5%	150mV	88.0%
HLN-80H-15(A)	15V, 0~5.0A	±2.0%	150mV	89.0%
HLN-80H-20(A)	20V, 0~4.0A	±1.0%	150mV	90.0%
HLN-80H-24(A)	24V, 0~3.4A	±1.0%	150mV	90.5%
HLN-80H-30(A)	30V, 0~2.7A	±1.0%	200mV	91.0%
HLN-80H-36(A)	36V, 0~2.3A	±1.0%	200mV	91.0%
HLN-80H-42(A)	42V, 0~1.95A	±1.0%	200mV	91.0%
HLN-80H-48(A)	48V, 0~1.7A	±1.0%	200mV	91.0%
HLN-80H-54(A)	54V, 0~1.5A	±1.0%	200mV	91.0%

○ = A or B

OWA series 60~120W

Features

- Constant voltage + constant current modes
- Universal AC input / Full range
- Built-in active PFC function (OWA-90/120)
- No load power consumption <0.15W
- Energy efficiency Level VI
- Fully encapsulated with IP67 level for power body
- Isolation class II, no F.G.
- Class 2 power unit (OWA-60 & OWA-90-20~54)
- Protections: Short circuit / Over current / Over voltage / Over temp.
- Suitable for dry and damp location
- 5 years warranty

INPUT		OWA-60	OWA-90	OWA-120
OWA-60/90/120				
U-Type	E-Type			
OUTPUT				
OWA-60				
U-Type	E-Type			
OWA-90/120				
U-Type	E-Type			

AC input voltage range			90~264VAC ; 127~370VDC (180~264VAC ; 254~370VDC for OWA-120E)		
AC inrush current (max.)			Cold start, 65A at 230VAC		Cold start, 60A at 230VAC
Over current protection			95%~108% constant current limiting, auto-recovery		
Over voltage protection			110%~140% rated output voltage		
Over temp. protection			Shut down output voltage, re-power on to recover		
Setup, rise, hold up time			500ms, 80ms, 16ms at full load and 230VAC		
Withstand voltage			I/P-O/P: 3.75KVAC		
Working temperature			-35~+70℃		-40~+70℃ (refer to output derating curve)
Safety standards		U-Type	UL8750 Listed approved		
		E-Type	DEKRA IEC/ EN60335-1 (except for 48~54V), IEC/EN61558-1, EN61558-2-16, EAC TP TC 040 approved	TUV EN60335-1 (except for 42~54V), EN61558-1, EN61558-2-16, EAC TP TC 040 approved	DEKRA IEC/ EN60335-1 (except for 48~54V), IEC/EN61558-1, EN61558-2-16, EAC TP TC 040 approved
EMC standards			U-Type: FCC Part 15; E-Type: EN55014, EN55032 class B, EN61000-3-2,-3, EAC TP TC 020		
Connection	Input	Plug	U-Type: NEMA 1-15P plug; E-Type: CEE 7/7 EU plug		
		Cable	U-Type: UL rated, SVT 18AWGx2C (150cm); E-Type: H05RN-F 1.0mm ² x2C (150cm)		
	Output	Plug	2.1φ x 5.5φ x 11mm / C+	U-Type: Power DIN 4P (with lock) type, or 2.5φ x 5.5φ x 11mm/C+, tuning fork type (20~54V only) E-Type : XLR 4P, male type	
		Cable	U-Type : UL1185 16AWG x 2C (30cm); E-Type : H05RN-F 1.0mm ² x 2C (30cm)	U-Type: UL2464 18AWGx4C (30cm) for Power DIN 4P type; UL246416AWGx2C (30cm) for tuning fork type; E-Type : H05RN-F 1.0mm ² x2C (30cm)	U-Type: UL2464 18AWGx4C (30cm); E-Type : H07RN-F 1.5mm ² x2C (30cm)
Dimension (LxWxH)(mm)			130× 53× 35	171× 63× 37.5	191× 63× 37.5

OWA-60 Series

Model No.	Output	Tol.	R&N	Effi.
OWA-60□-12	12V, 0~5A	±4%	150mV	88%
OWA-60□-15	15V, 0~4A	±4%	150mV	89%
OWA-60□-20	20V, 0~3A	±4%	150mV	89%
OWA-60□-24	24V, 0~2.5A	±3%	150mV	90%
OWA-60□-30	30V, 0~2A	±3%	200mV	90%
OWA-60□-36	36V, 0~1.67A	±2%	200mV	90%
OWA-60□-42	42V, 0~1.5A	±1%	250mV	90%
OWA-60□-48	48V, 0~1.25A	±1%	250mV	91%
OWA-60□-54	54V, 0~1.12A	±1%	350mV	91%

□ = U / E; U: American 2P, E: European 2P

OWA-90 Series

Model No.	Output	Tol.	R&N	Effi.
OWA-90□-12	12V, 0~7.5A	±4%	150mV	89%
OWA-90□-15	15V, 0~6A	±4%	150mV	90%
OWA-90□-20-△	20V, 0~4.5A	±4%	150mV	90%
OWA-90□-24-△	24V, 0~3.75A	±3%	150mV	90%

Model No.	Output	Tol.	R&N	Effi.
OWA-90□-30-△	30V, 0~3A	±3%	200mV	90%
OWA-90□-36-△	36V, 0~2.5A	±2%	200mV	91%
OWA-90□-42-△	42V, 0~2.15A	±1%	250mV	91%
OWA-90□-48-△	48V, 0~1.88A	±1%	250mV	91%
OWA-90□-54-△	54V, 0~1.67A	±1%	350mV	91%

□ = U / E; U: American 2P, E: European 2P
△ = Blank/P1M; Blank: Power DIN 4P with lock type, P1M: 2.5φx5.5φx11mm/C+, tuning fork type

OWA-120 Series

Model No.	Output	Tol.	R&N	Effi.
OWA-120□-12	12V, 0~10A	±4%	150mV	87.5%
OWA-120□-15	15V, 0~8A	±4%	150mV	89%
OWA-120□-20	20V, 0~6A	±4%	150mV	90%
OWA-120□-24	24V, 0~5A	±4%	150mV	90.5%
OWA-120□-30	30V, 0~4A	±3%	200mV	90%
OWA-120□-36	36V, 0~3.4A	±2%	200mV	90%
OWA-120□-42	42V, 0~2.9A	±1%	250mV	90.5%
OWA-120□-48	48V, 0~2.5A	±1%	250mV	90.5%
OWA-120□-54	54V, 0~2.3A	±1%	350mV	90.5%

□ = U / E; U: American 2P, E: European 2P

GSV series 30~60W

Features

- AC 100~264V Input with PFC(GSV30)
- Class II/2 power unit, no FG
- Meet EN61347 regulation
- Meet EN61000-3-2 harmonic current
- Constant voltage output
- No load power consumption<0.5W
- Dimmable with a PWM Dimmer
- Suitable for indoor LED lighting applications
- Protection: Short circuit / Over load / Over voltage
- 3 years warranty

			GSV30	GSV60
OUTPUT 			 EU typeInterchangeable	
AC input voltage range			100~264VAC; 141~373VDC	180~264VAC; 255~373VDC
AC inrush current (max.)			Cold start, 66A at 230VAC	
Setup time			500ms at full load and 230VAC	
Total harmonic distortion			THD<20%	
Short circuit protection			Hiccup mode, auto-recovery	
Withstand voltage			I/P-O/P: 3.75kVAC	
Working temperature			-20~+50°C (refer to output derating curve)	-20~+40°C (refer to output derating curve)
Safety standards			EN61347-1, EN61347-2-13 approved	
EMC standards			EN55015, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547	
Connection	Input	Fixed	European 2P	
		Interchangeable	Optional: Australian type / U.K type / European type / US type	
	Output	Plug	2.1ϕ x 5.5ϕ x 11mm, C+	
		Cable	UL2468 1500+150/-0mm	
Dimension (LxWxH)(mm)			75.5x32x47.5	

GSV30 Series



► GSV30/60 Application Diagram

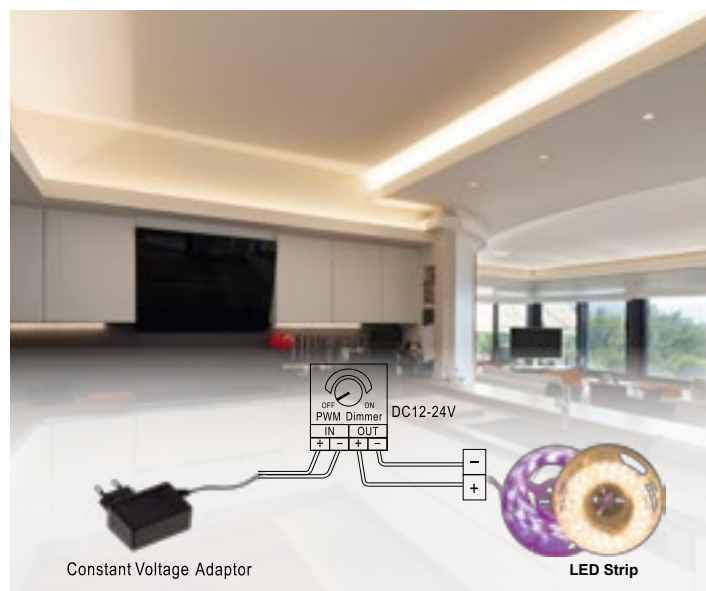
Model No.	Output	Vo Tol.	R&N	Effi.
GSV30□-12	12V, 0~2.5A	±1.5V	2.5V	82.0%
GSV30□-24	24V, 0~1.25A	±2.0V	3.5V	85.0%
GSV30□-48	48V, 0~0.625A	±4.0V	4.5V	88.0%

GSV60 Series



Model No.	Output	Vo Tol.	R&N	Effi.
GSV60□-12	12V, 0~4.16A	±1.5V	2.5V	81.0%
GSV60□-24	24V, 0~2.5A	±2.25V	4V	85.0%
GSV60□-48	48V, 0~0.125A	±4.5V	5.5V	91.0%

□ = E: European 2 pin;
Optional I: interchangeable type available by request.



Plastic Case

With PFC + Terminal block

- 28 SLD Series (50~80W)
- 29 LDC Series (35~80W)
- 30 LCM Series (25~60W)
- 31 LCM-U Series (40~60W)
- 32 LCM-KN Series (25~60W)
- 33 IDLV Series (25~65W)
- 34 IDLC Series (25~65W)
- 35 PLM Series (12~25W)
- 36 PLM-E Series (12~25W)
- 37 PLC Series (30~100W)



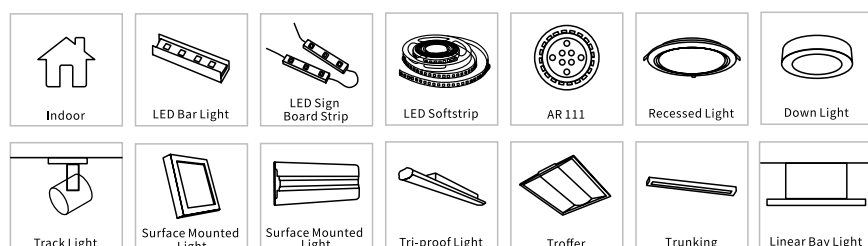
FEREKS

LED lighting solutions

MEAN WELL has a wide range terminal block type indoor LED driver for most Indoor LED lighting luminaires. The design as an independent control gear includes LCM, IDLC and PLM series, which accept full range input voltage and feature 0-10V or DALI dimming function with global safety approvals. Besides, IDLC and LCM series can provide auxiliary power for the IoT intelligent dimming application.

Other highlights for this category are the SLD and LDC series for linear fixtures. As a special shape design of the linear fixtures, slim and linear LED drivers are required. SLD and LDC series emphasizes the compact design with merely 16.8~21mm in height and 30mm in width.

Application



SLD series 50~80W

Features

- Constant voltage + Constant current mode output
- Universal AC input 110~305VAC input
- Plastic housing with Class II design
- SELV and Isolated Design
- Class 2 power unit (Except for SLD-80-12)
- Slim and Linear housing Design
- No load power consumption < 0.5W
- Protections: Short circuit / Over current / Over voltage / Over temp.
- Meet with EN61347 regulation
- Meet EN61000-3-2 Harmonic current
- 3 years warranty

	SLD-50	SLD-80
		
INPUT		
OUTPUT		
AC input voltage range	110~305VAC; 154~431VDC	
AC inrush current (max.)	Cold start, 50A at 230VAC	
Setup time	500ms at 230VAC	
Total harmonic distortion	THD < 10%	
Short circuit protection	Hiccup mode, recovers automatically after fault condition is removed	
Over temp. protection	Shut down output voltage, re-power on to recover	
Withstand voltage	I/P-O/P: 3.75KVAC	
Working temperature	Tcase = -20~+90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)	
Safety standards	UL8750(type"HL"), CSA C22.2 No. 250.13-12, ENEC EN61347-1, EN61347-2-13 independent, EN62384, EAC TP TC 004, GB19510.1, GB19510.14, BIS ISI5885 approved	
EMC standards	EN55015, EN61000-3-2 Class C (@load ≥ 60%) ; EN61000-3-3; GB17743 and GB17625.1, EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547, light industry level (surge immunity Line-Line 1KV), EAC TP TC 020	
Dimension (LxWxH)(mm)	280x 30x 16.8	320x 30x 16.8

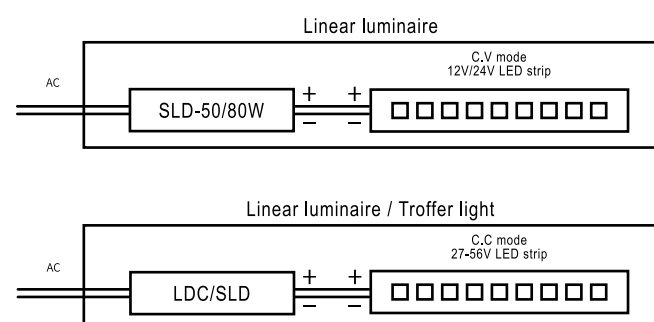
SLD-50 Series

Model No.	Output	Tol.	R&N	Effi.
SLD-50-12	7.2~12V, 4.2A	±4%	150mV	88%
SLD-50-24	14.4~24V, 2.1A	±3%	240mV	90%
SLD-50-56	30~56V, 0.9~1.4A	±1%	350mV	90%

SLD-80 Series

Model No.	Output	Tol.	R&N	Effi.
SLD-80-12	7.2~12V, 6.6A	±4%	150mV	88%
SLD-80-24	14.4~24V, 3.3A	±3%	240mV	90%
SLD-80-56	30~56V, 1.4~2.1A	±1%	350mV	90%

Application Diagram



SLD & LDC Linear series Selection guide

output Model	12V	24V	56V	0-10V	DALI	Push Dim	warranty
LDC-35			✓	✓	✓	✓	5
LDC-55			✓	✓	✓	✓	5
LDC-80			✓	✓	✓	✓	5
SLD-50	✓	✓	✓				3
SLD-80	✓	✓	✓				3

* 56V output is C.P mode output

LDC series 35~80W

Features

- Constant power mode (Full power at 70~100% current)
- Linear metal housing
- SELV and Isolated Design
- Flicker-Free
- No load power consumption < 0.5W
- Push terminal style I/O
- Protections: Short circuit / Over temperature / Over voltage
- 5 years warranty

- Multiple types for choice:

Blank-Type: Without dimming function

B-Type: Built-in 3 in 1 dimming function

(0~10VDC, PWM signal or resistance)

DA-Type: Built-in DALI interface, push dimming function

DA2-Type: DALI 2.0 (only for LDC-55)



- Output current level can be adjusted by resistance

- Built-in temperature compensation function by external NTC

	LDC-35(DA)	LDC-55(DA)	LDC-80(DA)
INPUT			
OUTPUT			
AC input voltage range	180~295VAC		
AC inrush current (max.)	Cold start, 30A at 230VAC	Cold start, 65A at 230VAC	Cold start, 55A at 230VAC
Setup time	500ms at 230VAC		
Short circuit protection	Constant current limiting or hiccup mode, auto-recovery		
Over temp. protection	Shut down o/p voltage with auto-recovery		
Withstand voltage	I/P-O/P:3.75KVAC, I/P-FG:2KVAC, O/P-FG:1.5KVAC		
Working temperature	Tcase=-25~+80°C		
Safety standards	UL8750, ENEC EN/AS/NZS61347-1, EN/AS/NZS61347-2-13, EN62384, GB19510.14, GB19510.1, EAC TP TC 004, BIS ISI5885		
DALI standards	Design refer to IEC62386-101, 102, 207 (DA-Type only)		
EMC standards	EN55015, EN61000-3-2 Class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547, GB/T17743, GB17625.1, EAC TP TC 020		
Dimension (LxWxH)(mm)	280x 30x 21	320x 30x 21	360x 30x 21

LDC-35(DA)



Model No.	Output	Io Tol.	Effi.
LDC-35□	27~56V, 300~1000mA	5%	88%

□ = Blank, B or DA

LDC-55(DA)



Model No.	Output	Io Tol.	Effi.
LDC-55□	27~56V, 500~1600mA	5%	90%

□ = Blank, B, DA or DA2

LDC-80(DA)

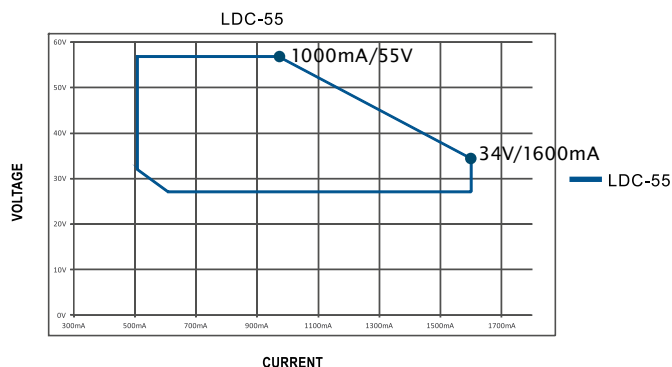


Model No.	Output	Io Tol.	Effi.
LDC-80□	27~56V, 700~2100mA	5%	90%

□ = Blank, B or DA

Note: DALI 2.0 is available, please consult MEAN WELL for details.

CP Curve



LCM series 25~60W

Features

- Constant current mode
- LCM-25(DA): 180~277VAC input only
LCM-40(DA)/60(DA): 180~295VAC input only
- Multiple-stage output current level selectable by DIP switch
- No load power consumption <0.5W (LCM-25/25DA/40DA/60DA)
- Class II power unit, no F.G.
- Built-in 3 in 1 dimming function, 0~10VDC, PWM signal, or resistance (non DA-Type)
- Wireless driver with integrated EnOcean for LCM-40EO/60EO (by request)
- Built-in DALI interface and push dimming function (DA-Type)
- 12V/50mA auxiliary output for LCM-40/60 (LCM-40DA/60DA by request)
- Temperature compensation function by external NTC (40W/60W only)
- Power supplies synchronization function up to 10 units
- Built-in Bluetooth mesh wireless dimming for BLE types
- Protections: Short circuit / Over voltage (40W/60W only) / Over temp.
- 3 years warranty

	LCM-25/40/60(DA/BLE)			LCM-40EO/60EO	
	INPUT	OUTPUT			
	25W/40W/60W	25W	40W/60W		
Non-DA Type					
DA-Type					

AC input voltage range	180~277VAC; 254~380VDC(LCM-25), 180~295VAC; 254~417VDC(LCM-40/60)	
AC inrush current (Typ.)	Cold start, 20A at 230VAC	
Short circuit protection	Constant current limiting, recovers automatically after fault condition is removed	
Over voltage protection	LCM-40/40DA: 110~130VDC, LCM-60/60DA: 105~125VDC	
Setup time	500ms / 230VAC	
Total harmonic distortion	THD<20%	
Wireless protocol	EnOcean standard 868MHz for European (EO-Type)	
Withstand voltage	I/P-O/P: 3.75kVAC	
Working temperature	Tcase= -30~+85°C	Tcase= -30~+90°C
Safety standards	UL8750, ENEC EN61347-1, EN61347-2-13, EN62384, GB19510.14, GB19510.1, BIS ISI5885, EAC TP TC 040 approved	
DALI standards	Comply with IEC62386-101, 102, 207 (DA-Type only)	
EMC standards	EN55015, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547, GB17625.1, GB17743, EAC TP TC 020	
Dimension (LxWxH)(mm)	105x 68x 23 (LCM-25), 123.5x 81.5x 23(LCM-40/60)	

LCM-25 Series

Output	Io Tol.	Io Ripple	Effi.
350mA, 6~54V	±5%	5% (max.)	86%
500mA, 6~50V			
600mA, 6~42V			
700mA, 6~36V (Factory setting)			
900mA, 6~28V			
1050mA, 6~24V			

LCM-40 Series

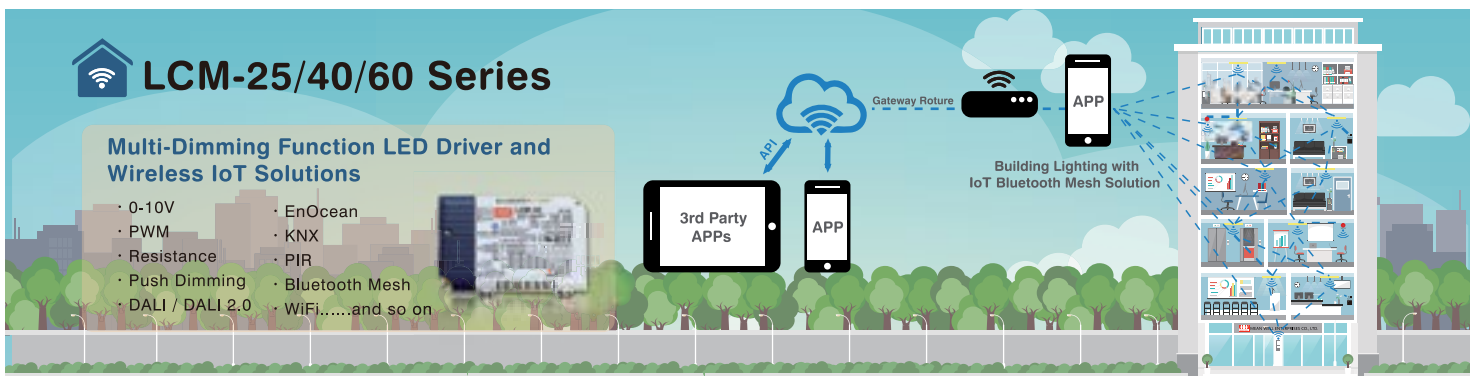
Output	Io Tol.	Io Ripple	Effi.
350mA, 2~100V	±5%	5% (max.)	91%
500mA, 2~80V			
600mA, 2~80V			
600mA, 2~67V			

LCM-40 Series

Output	Io Tol.	Io Ripple	Effi.
700mA, 2~57V (Factory setting)	±5%	5% (max.)	91%
900mA, 2~45V			
1050mA, 2~40V			

LCM-60 Series

Output	Io Tol.	Io Ripple	Effi.
500mA, 2~90V	±5%	5% (max.)	92%
600mA, 2~90V			
700mA, 2~86V (Factory setting)			
900mA, 2~67V			
1050mA, 2~57V			
1400mA, 2~42V			



LCM-U series 40~60W

Features

- Constant current mode
- 90~132VAC input only
- Multiple-stage output current level selectable by DIP switch
- Class II power unit, no F.G.
- Built-in 3 in 1 dimming function, 0~10VDC, PWM signal, or resistance (non DA-Type)
- Wireless driver with integrated EnOcean for LCM-40EO/60EO (by request)
- Built-in DALI interface and push dimming function (DA-Type)
- 12V/50mA auxiliary output for LCM-40U/60U (LCM-40UDA/60UDA by request)
- Temperature compensation function by external NTC
- Power supplies synchronization function up to 10 units
- Suitable for indoor LED lighting applications
- Protections: Short circuit / Over voltage / Over temp.
- 3 years warranty

			LCM-40U(DA)/60U(DA)	LCM-40UEO/60UEO
	INPUT	OUTPUT		 By request
Non-DA Type				
DA-Type				
AC input voltage range			90~132VAC ; 127~186VDC	
AC inrush current (Typ.)			Cold start, 15A at 230VAC	
Short circuit protection			Constant current limiting, recovers automatically after fault condition is removed	
Over voltage protection			LCM-40U(DA): 110~130VDC, LCM-60U(DA): 105~125VDC	
Over temperature protection			Shut down o/p voltage, auto-recovery or re-power on to recover	
Setup time			1000ms / 115VAC	
Total harmonic distortion			THD<20%	
Wireless protocol			EnOcean standard 902MHz for USA/Canada (EO-Type)	
Withstand voltage			I/P-O/P: 3.75kVAC	
Working temperature			Tcase= -30~+90°C	
Safety standards			UL8750 approved	
DALI standards			Comply with IEC62386-101, 102, 207 (DA-Type only)	
EMC standards			FCC part 15	
Dimension (LxWxH)(mm)			123.5x 81.5x 23	

LCM-40U Series

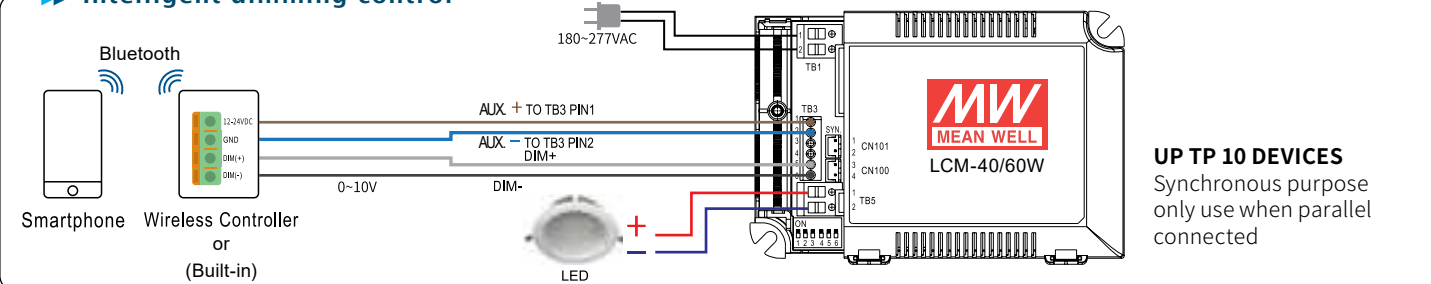
Output	Io Tol.	Io Ripple	Effi.	DIP Switch					
				1	2	3	4	5	6
350mA, 2~100V	±5%	5% (max.)	87.5%	----	----	----	----	----	----
500mA, 2~70V				ON	----	----	----	----	----
600mA, 2~59V				ON	ON	----	----	----	----
700mA, 2~50V (Factory setting)				ON	ON	ON	----	----	ON
900mA, 2~39V				ON	ON	ON	ON	----	ON
1050mA, 2~34V				ON	ON	ON	ON	ON	ON

LCM-60U Series

Output	Io Tol.	Io Ripple	Effi.	DIP Switch					
				1	2	3	4	5	6
500mA, 2~90V	±5%	5% (max.)	89%	----	----	----	----	----	----
600mA, 2~84V				ON	----	----	----	----	----
700mA, 2~72V (Factory setting)				ON	ON	----	----	----	----
900mA, 2~56V				ON	ON	ON	----	----	ON
1050mA, 2~48V				ON	ON	ON	ON	----	ON
1400mA, 2~36V				ON	ON	ON	ON	ON	ON

► LCM-40U/60U are primary models with 0~10VDC, PWM or resistance signal dimming function.

► Intelligent dimming control



LCM-KN series 25~60W

Features

- Constant current mode output
- KNX protocol
- Multiple-stage output current level selectable by DIP switch
- support emergency lighting(EL)
- Integrated constant light output
- Integrated KNX push button interface
- synchronization up to 10units

- Multiple models for choice:
Blank-Type: KNX and push dimming, with standby power consumption<0.5W
AUX-Type: KNX and push dimming, with standby power consumption<1.2W and Auxiliary DC output
- Protections: Short circuit / Over voltage / Over temp.
- 3 years warranty

		LCM-25KN	LCM-40KN	LCM-60KN
INPUT				
	OUTPUT			
AC input voltage range		180 ~ 277VAC; 220 ~ 417VDC	180 ~ 295VAC; 220 ~ 417VDC	
AC inrush current (Typ.)		COLD START, 20A at 230VAC; Per NEMA 410		
Short circuit protection		Constant current limiting, recovers automatically after fault condition is removed		
Over voltage protection		---	110 ~ 130V	105 ~ 125V
Over temperature protection		Shutdown o/p voltage, re-power on to recover		
Setup time		500ms / 230VAC		
Total harmonic distortion		THD< 20%		
Withstand voltage		I/P-O/P:3.75KVAC		
Working temperature		Tcase= -30~+85°C(Please refer to “OUTPUT LOAD vs TEMPERATURE” section)	Tcase=-30~+90°C(Please refer to “ OUTPUT LOAD vs TEMPERATURE” section)	
Safety standards		CSA C22.2 No.250.13-12(LCM-25KN only); ENEC EN61347-1, EN61347-2-13, EN62384 independent, GB19510.14,GB19510.1, EAC TP TC 004 approved		
KNX standards		Certified protocol		
EMC standards		EN55015, EN61000-3-2 Class C(@load≥40%) ; EN61000-3-3; GB17625.1,GB17743,EN61000-4-2,3,4,5,6,8,11, EN61547, light industry level(surge immunity Line-Line 2KV), EAC TP TC 020		
Dimension (LxWxH)(mm)		105x 68x 23	123.5x 81.5x 23	

LCM-25KN Series



Output	Io Tol.	Io Ripple	Effi.	DIP Switch					
				1	2	3	4	5	6
350mA, 6~54V	±5%	5% (max.)	86%	----	----	----	----	----	----
500mA, 6~50V				ON	----	----	----	----	----
600mA, 6~42V				ON	ON	----	----	----	----
700mA, 6~36V (Factory setting)				ON	ON	ON	----	----	ON
900mA, 6~28V				ON	ON	ON	ON	----	ON
1050mA, 6~24V				ON	ON	ON	ON	ON	ON

LCM-40KN Series



Output	Io Tol.	Io Ripple	Effi.	DIP Switch					
				1	2	3	4	5	6
350mA, 2~100V	±5%	5% (max.)	90%	----	----	----	----	----	----
500mA, 2~80V				ON	----	----	----	----	----
600mA, 2~67V				ON	ON	----	----	----	----
700mA, 2~57V (Factory setting)				ON	ON	ON	----	----	ON
900mA, 2~45V				ON	ON	ON	ON	----	ON
1050mA, 2~40V				ON	ON	ON	ON	ON	ON

LCM-60KN Series

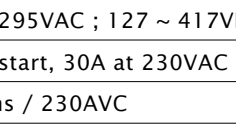
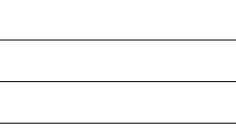


Output	Io Tol.	Io Ripple	Effi.	DIP Switch					
				1	2	3	4	5	6
500mA, 2~90V	±5%	5% (max.)	91%	----	----	----	----	----	----
600mA, 2~90V				ON	----	----	----	----	----
700mA, 2~86V (Factory setting)				ON	ON	----	----	----	----
900mA, 2~67V				ON	ON	ON	----	----	ON
1050mA, 2~57V				ON	ON	ON	ON	----	ON
1400mA, 2~42V				ON	ON	ON	ON	ON	ON

IDLV series 25~65W

Features

- Constant voltage PWM style output mode
- IDLV-25/45: 90~295VAC input
IDLV-65: 180~295VAC input only
- High efficiency up to 90%
- No load power consumption <0.5W (Blank-Type)
- Fully isolated plastic case with IP20 level
- Isolation class II, no F.G.
- Built-in 2 in 1 dimming function (0~10VDC or PWM signal)
- Built-in 12V/50mA auxiliary output (A-Type)
- Suitable for indoor LED strip lighting
- Protection: Short circuit / Over current
- 3 years warranty

	IDLV-25(A)	IDLV-45(A)	IDLV-65(A)
INPUT			
OUTPUT (Blank-Type)			
OUTPUT (A-Type)			
AC input voltage range	90 ~ 295VAC ; 127 ~ 417VDC		180 ~ 295VAC; 254 ~ 417VDC
AC inrush current (max.)	Cold start, 30A at 230VAC		
Setup time	500ms / 230AVC		
PWM dimming signal	10V PWM signal, frequency range 300Hz~3kHz		
Total harmonic distortion	THD<20%		
Short circuit protection	Shut down o/p voltage, repower on to recover		
Withstand voltage	I/P-O/P: 3.75KVAC		
Working temperature	Tcase= -20~+90°C		Tcase= -20~+85°C (refer to "OUTPUT LOAD vs TEMPERATURE")
Safety standards	UL8750, ENEC EN/AS/NZS61347-1, EN/AS/NZS61347-2-13, EN62384, GB19510.14, GB19510.1, EAC TP TC 004, BIS IS15885(for 12V,24V,48V only) approved		
EMC standards	EN55015, EN61000-3-2 Class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547, GB17743, GB17625.1, EAC TP TC 020		
Connection (Input/Output)	4+4P push-in terminal block for Blank-Type, 4+6P for A-Type		
Dimension (LxWxH) mm	110 x 75 x 22	120 x 75 x 25	130 x 75 x 25

IDLV-25/25A Series

Model No.	Output	Tol.	Effi.
IDLV-25□-12	12V, 0~1.8A	±10%	80%
IDLV-25□-24	24V, 0~1.05A	±10%	81%
IDLV-25□-36	36V, 0~0.7A	±10%	82%
IDLV-25□-48	48V, 0~0.52A	±10%	83%
IDLV-25□-60	60V, 0~0.42A	±10%	84%

□ = Blank/A; Blank: without auxiliary output, A: with auxiliary function

IDLV-45/45A Series

Model No.	Output	Tol.	Effi.
IDLV-45□-12	12V, 0~3A	±10%	84%
IDLV-45□-24	24V, 0~1.88A	±10%	86%
IDLV-45□-36	36V, 0~1.25A	±10%	88%
IDLV-45□-48	48V, 0~0.94A	±10%	88%
IDLV-45□-60	60V, 0~0.75A	±10%	90%

□ = Blank/A; Blank: without auxiliary output, A: with auxiliary function

IDLV-65/65A Series

Model No.	Output	Tol.	Effi.
IDLV-65□-12	12V, 0~4.2A	±10%	85%
IDLV-65□-24	24V, 0~2.4A	±10%	87%
IDLV-65□-36	36V, 0~1.8A	±10%	88%
IDLV-65□-48	48V, 0~1.35A	±10%	89%
IDLV-65□-60	60V, 0~1.08A	±10%	90%

□ = Blank/A; Blank: without auxiliary output, A: with auxiliary function

IDL / IDP / ODL Series Difference

Series	Type	AC Input Range	IP	Output Mode
IDLC IDLV	Plastic case with T.B.	90~295VAC	IP20	IDLC/IDPC/ ODLC: C.C. mode
IDPC IDPV	PCB Type			IDLV/IDPV/ ODLV: C.V. mode
ODLC ODLV	Plastic case with lead wire	180~295VAC	IP67	

IDLC series 25~65W

Features

- Constant current mode
- Flicker free design
- IDLC-25/45: 90~295VAC input
IDLC-65: 180~295VAC input only
- No load power consumption <0.5W (Blank/DA-Type)
- Fully isolated plastic case with IP20 level
- Isolation class II, no F.G.
- Built-in DALI interface (IDLC-45/65-DA)
- Built-in 2 in 1 dimming function (0~10VDC or PWM signal)
- Built-in 12V/50mA auxiliary output (A-Type)
- Suitable for indoor LED lighting applications
- Protection: Short circuit
- 3 years warranty

	IDLC-25(A)	IDLC-45(A) IDLC-45-DA	IDLC-65(A) IDLC-65-DA
INPUT			
OUTPUT (Blank-Type) (DA-Type)			
OUTPUT (A-Type)			
AC input voltage range	90 ~ 295VAC ; 127 ~ 417VDC		180 ~ 295VAC ; 254~417VDC
AC inrush current (max.)	Cold start, 30A at 230VAC		
Setup time	500ms / 230VAC		
PWM dimming signal	10V PWM signal, frequency range 300Hz~3kHz		
Total harmonic distortion	THD<20%		
Short circuit protection	Hiccup mode, auto-recovery		
Withstand voltage	I/P-O/P: 3.75KVAC		
Working temperature	Tcase= -20~+90°C		Tcase= -20~+85°C (refer to "OUTPUT LOAD vs TEMPERATURE")
Safety standards	UL8750, ENEC EN/AS/NZS61347-1(except for DA-Type), EN/AS/NZS61347-2-13(except for DA-Type), EN62384, GB19510.14, GB19510.1, EAC TP TC 004; BIS 15885 (refer to spec for models) approved		
DALI standards	IEC 62386-101, 102 (DA-Type only)		
EMC standards	EN55015, EN61000-3-2 Class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547, GB17743, GB17625.1, EAC TP TC 020		
Connection (Input/Output)	4+4P push-in terminal block for Blank/DA-Type, 4+6P for A-Type		
Dimension (LxWxH) mm	110 x 75 x 22	120 x 75 x 25	130 x 75 x 25

IDLC-25(A) Series

Model No.	Output	Tol.	Effi.
IDLC-25□-350	49 ~ 70V, 350mA	±7%	82%
IDLC-25□-500	35 ~ 50V, 500mA	±7%	81.5%
IDLC-25□-700	25 ~ 36V, 700mA	±7%	82%
IDLC-25□-1050	17 ~ 24V, 1050mA	±7%	81.5%

□ = Blank/A; Blank: without auxiliary output, A: with auxiliary function

IDLC-45(A) Series IDLC-45-DA Series

Model No.	Output	Tol.	Effi.
IDLC-45□-350○	57 ~ 95V, 350mA	±5%	86%
IDLC-45□-500○	54 ~ 90V, 500mA	±5%	85%
IDLC-45□-700○	38 ~ 64V, 700mA	±5%	85%
IDLC-45□-1050○	26 ~ 43V, 1050mA	±5%	84%
IDLC-45□-1400○	19 ~ 32V, 1400mA	±5%	83%

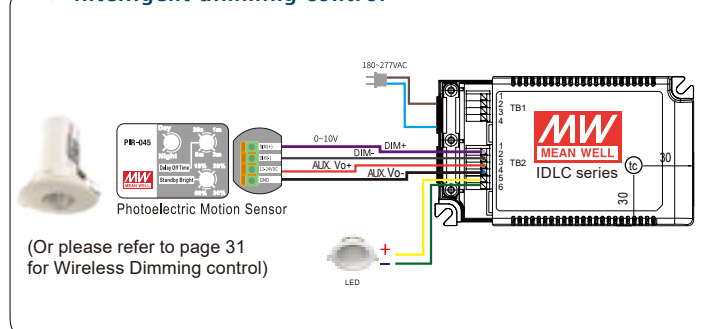
□ = Blank/A; Blank: without auxiliary output, A: with auxiliary function
○ = Blank/DA; Blank: 2 in 1 dimming, DA: DALI

IDLC-65(A) Series IDLC-65-DA Series

Model No.	Output	Tol.	Effi.
IDLC-65□-700○	69 ~ 93V, 700mA	±5%	89%
IDLC-65□-1050○	46 ~ 62V, 1050mA	±5%	87%
IDLC-65□-1400○	34 ~ 46V, 1400mA	±5%	86%
IDLC-65□-1750○	27 ~ 36V, 1750mA	±5%	86%

□ = Blank/A; Blank: without auxiliary output, A: with auxiliary function
○ = Blank/DA; Blank: 2 in 1 dimming, DA: DALI

Intelligent dimming control



PLM series 12~25W

Features

- Constant current mode
- 110~295VAC input
- No load power consumption <0.5W
- Fully isolated plastic case with push terminal style I/O
- IP30 design
- Isolation class II, no F.G.
- Class 2 power unit (except for PLM-25-350)
- Low cost, high reliability
- Suitable for indoor LED lighting applications
- Protections: Short circuit
- 2 years warranty

		PLM-12	PLM-25
INPUT  OUTPUT 			
AC input voltage range	110~295VAC; 156~417VDC		
AC inrush current (max.)	Cold start, 15A at 230VAC		
Setup time	500ms at full load and 230VAC		
Total harmonic distortion	THD<20%		
Short circuit protection	Hiccup mode, auto-recovery		
Withstand voltage	I/P-O/P: 3.75kVAC		
Working temperature	-30~+50°C	-30~+45°C	
Safety standards	UL8750, ENEC EN61347-1, EN61347-2-13, EN62384, GB19510.14, GB19510.1, EAC TP TC 004 approved		
EMC standards	EN55015, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547, GB17743, GB17625.1, EAC TP TC 020		
Connection (Input / Output)	2+2P push terminal block		
Dimension (LxWxH)(mm)	145x 38x 22		

PLM-12 Series



Model No.	Output	Io Tol.	R&N	Effi.
PLM-12-350	22~36V, 350mA	±5%	3.6V	85%
PLM-12-500	15~24V, 500mA	±5%	2.4V	84%
PLM-12-700	11~18V, 700mA	±5%	2.4V	83%
PLM-12-1050	7~12V, 1050mA	±5%	1.8V	81%

PLM-25 Series



Model No.	Output	Io Tol.	R&N	Effi.
PLM-25-350	42~72V, 350mA	±5%	7.2V	87%
PLM-25-500	30~50V, 500mA	±5%	5.0V	86%
PLM-25-700	21~36V, 700mA	±5%	3.6V	86%
PLM-25-1050	14~24V, 1050mA	±5%	2.4V	85%

PLM-E series 12~25W

Features

- Constant current mode
- 180~295VAC input
- No load power consumption <0.5W
- Fully isolated plastic case with push terminal style I/O
- IP30 design
- Isolation class II, no F.G.
- Low cost, high reliability
- Suitable for indoor LED lighting applications
- Protections: Short circuit
- 2 years warranty

		PLM-12 E	PLM-25 E
INPUT  OUTPUT 			
AC input voltage range		180~295VAC; 254~417VDC	
AC inrush current (max.)		Cold start, 15A at 230VAC	
Setup time		500ms at full load and 230VAC	
Total harmonic distortion		THD<20%	
Short circuit protection		Hiccup mode, auto-recovery	
Withstand voltage		I/P-O/P: 3.75kVAC	
Working temperature		-30~+50°C	-30~+45°C
Safety standards		ENEC EN61347-1, EN61347-2-13, EN62384, GB19510.14, GB19510.1, EAC TP TC 004 approved	
EMC standards		EN55015, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547, GB17743, GB17625.1, EAC TP TC 020	
Connection (Input / Output)		2+2P push terminal block	
Dimension (LxWxH)(mm)		145x 38x 22	

PLM-12E Series



Model No.	Output	Io Tol.	R&N	Effi.
PLM-12E-350	22~36V, 350mA	±5%	5.5V	84%
PLM-12E-500	15~24V, 500mA	±5%	3.6V	83%
PLM-12E-700	11~18V, 700mA	±5%	3.6V	82%
PLM-12E-1050	7~12V, 1050mA	±5%	2.7V	78%

PLM-25E Series



Model No.	Output	Io Tol.	R&N	Effi.
PLM-25E-350	42~72V, 350mA	±5%	9V	86%
PLM-25E-500	30~50V, 500mA	±5%	7.5V	85%
PLM-25E-700	21~36V, 700mA	±5%	5.4V	85%
PLM-25E-1050	14~24V, 1050mA	±5%	3.6V	82%

PLC series 30~100W

Features

- Constant current mode
(Constant voltage + constant current modes for PLC-100)
- Universal AC input / Full range
- Fully isolated plastic case with screw terminal style I/O
- Adjustable output voltage and current level
- Class 2 power unit / Pass LPS
- Isolation class II, no F.G. for PLC-30
- Suitable for LED lighting and LED sign applications
- Protections: Short circuit / Over current / Over voltage / Over temperature
- Cooling by free air convection
- 2 years warranty

		PLC-30	PLC-45/60	PLC-100
				
INPUT	OUTPUT			
				
AC input voltage range	90~264VAC ; 127~370VDC			
AC inrush current (max.)	Cold start, 35A at 230VAC		Cold start, 40A at 230VAC	
DC adjustment range	95%~110% rated output voltage	90%~110% rated output voltage	85%~100% rated output voltage	
Current adjustment range	75%~103%		75%~100%	
Over current protection	100%~110% constant current limiting, auto-recovery	95%~110% constant current limiting, auto-recovery	95%~102% constant current limiting, auto-recovery	
Over voltage protection	110%~155% rated output voltage	115%~140% rated output voltage	107%~135% rated output voltage	
Setup time	500ms at full load and 230VAC			
Withstand voltage	I/P-O/P: 3.75kVAC	I/P-O/P: 3.75kVAC, I/P-FG: 2kVAC, O/P-FG: 1.5kVAC		
Working temperature	-30~+50°C (refer to output derating curve)			
Safety standards	UL1310, TUV EN61347-1, EN61347-2-13, EAC TP TC 004 approved; TUV EN62368-1 approved for PLC-100 only			
EMC standards	EN55015, EN61000-3-2 class C, EN61000-3-3, EAC TP TC 020, EN61000-4-2,3,4,5,6,8,11, EN61547			
Connection (Input / Output)	2+2P screw terminal block	3+2P screw terminal block		
Dimension (LxWxH)(mm)	160x 46x 30	181.5x 62x 35	200.5x 69.5x 35	
Packing	0.2kg ; 70pcs / 15kg	0.41kg ; 30pcs / 13.3kg	0.52kg ; 25pcs / 14kg	

PLC-30 Series



Model No.	Output	Tol.	R&N	Effi.
PLC-30-9	9V, 0~3.3A	±10%	2.6V	80.0%
PLC-30-12	12V, 0~2.5A	±10%	2.0V	82.5%
PLC-30-15	15V, 0~2.0A	±10%	2.6V	83.5%
PLC-30-20	20V, 0~1.5A	±10%	2.6V	84.0%
PLC-30-24	24V, 0~1.25A	±10%	2.4V	84.0%
PLC-30-27	27V, 0~1.12A	±10%	2.3V	84.5%
PLC-30-36	36V, 0~0.84A	±10%	3.6V	85.0%
PLC-30-48	48V, 0~0.63A	±10%	3.7V	85.5%

PLC-60 Series



Model No.	Output	Tol.	R&N	Effi.
PLC-60-12	12V, 0~5.0A	±10%	2.0V	85.0%
PLC-60-15	15V, 0~4.0A	±10%	2.4V	86.0%
PLC-60-20	20V, 0~3.0A	±10%	1.8V	87.5%
PLC-60-24	24V, 0~2.5A	±10%	2.4V	87.0%
PLC-60-27	27V, 0~2.3A	±10%	2.7V	88.0%
PLC-60-36	36V, 0~1.7A	±10%	3.6V	89.0%
PLC-60-48	48V, 0~1.3A	±10%	4.6V	89.0%

PLC-45 Series



Model No.	Output	Tol.	R&N	Effi.
PLC-45-12	12V, 0~3.8A	±10%	2.0V	83.5%
PLC-45-15	15V, 0~3.0A	±10%	2.4V	85.0%
PLC-45-20	20V, 0~2.3A	±10%	1.8V	86.5%
PLC-45-24	24V, 0~1.9A	±10%	2.7V	86.5%
PLC-45-27	27V, 0~1.7A	±10%	2.7V	86.5%
PLC-45-36	36V, 0~1.25A	±10%	3.6V	87.5%
PLC-45-48	48V, 0~0.95A	±10%	4.6V	87.5%

PLC-100 Series

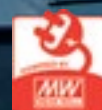


Model No.	Output	Tol.	R&N	Effi.
PLC-100-12	12V, 0~5.0A	±3%	150mV	83.0%
PLC-100-15	15V, 0~5.0A	±3%	150mV	85.0%
PLC-100-20	20V, 0~4.8A	±3%	150mV	88.5%
PLC-100-24	24V, 0~4.0A	±3%	150mV	88.5%
PLC-100-27	27V, 0~3.55A	±3%	150mV	88.0%
PLC-100-36	36V, 0~2.65A	±2%	150mV	88.0%
PLC-100-48	48V, 0~2.0A	±2%	200mV	88.5%

Metal Case

with PFC

- 39 XLG Series (25~240W)
- 42 ELG Series (75~300W)
- 45 ELG-C Series (75~300W)
- 49 HLG Series (40~600W)
- 54 HLG-C Series (60~480W)
- 57 HVG Series (65~480W)
- 60 HVG-C Series (65~1000W)
- 64 FDL Series (65~100W)



StrongLED®

A complete outdoor LED driver solutions for outdoor luminaires are well-displayed in this category. The best cost-performance ratio and compact size design are XLG series and the ELG(C) series design with DALI /Timer/Programmable dimming functions. A high-efficiency design HLG(C) series with 7 years warranty and HVG(C) series with the high-voltage input 180-528V AC is able to be used with general 230V/347V mains supply or 1 phase 380V AC voltage from 3 phase input. All models are listed for choices. Most of the models can offer to dim with 0-10V dimming function, which can be integrated into smart city lighting control.

MEAN WELL has launched brand new XLG series which design with compact size and constant power mode, output wattage covers a wide range 25/50/75/100/150/200/240W, wide choices for any indoor or outdoor luminaire applications.

Application



Selection guide

Series	Features	Remark
XLG	Constant Power Mode Compact size Surge protection with 10kv/6kv (Optional)	Design with Input Over Voltage Protection and India(EESL)version
ELG(C)	DALI/Timer/Programmable dimming	ELGT-150 with class II
HLG(C)	High reliability/ 7 years warranty	UP to 600W
HVG(C)	High Voltage Input 180~528 VAC	UP to 1000W
FDL	Entry level with 3 Years warranty	UP to 100W

XLG series 25~50W

Features

- Constant power mode output
- Wide input range 100~305VAC (Class I)
- Metal housing design with functional ground
- Built-in active PFC function, Class 2 power unit
- Surge protection with 6KV/4KV
- India (EESL) version with Input Over Voltage Protection can survive input voltage stress of 440Vac for 48 hours
- 5 years warranty

- Multiple models for choice:
A-Type: IP67 rated. Io adjustable through built-in potentiometer
AB-Type: IP67 rated. Io adjustable through built-in potentiometer & 3 in 1 dimming function.
- Protections: Over power/Short circuit / Over temperature / Input over voltage(only for India version)
- IP67 rating for indoor or outdoor installations

	XLG-25	XLG-50
INPUT ACL ACN FG OUTPUT (Non-Dimming Models) Vo- Vo+ OUTPUT (Dimming Models) DIM- DIM+ Vo+ Vo-		A AB 

AC input voltage range	100~305VAC; 142~431VDC	
AC inrush current (max.)	Cold start, 50A at 230 VAC	
Over power protection	110-150% Over Power Protection, recovers automatically after fault condition is removed	
Over temp. protection	Hiccup mode, recovers automatically after fault condition is removed	
Setup, rise time	500ms, 100ms/115VAC, 230VAC	
Withstand voltage	I/P-O/P:3.75KVAC I/P-FG:2.0KVAC O/P-FG:1.5KVAC	
Working temperature	Tcase= -40~+85°C	Tcase=-40 ~ +90°C
Safety standards	UL8750(type"HL"), CSA C22.2 No. 250.13-12; ENEC AS/NZS IEC EN61347-1, AS/NZS EN61347-2-13 independent, EN62384;IP67; GB19510.1, GB19510.14, EAC TP TC 004, J61347-1(H29), J61347-2-13(H29), KC61347-1, KC61347-2-13, IS15885(Part2/Sec13)(for XLG-25I/50I type only), NOM-058-SCFI-2017	
EMC standards	EN55015, EN61000-3-2 Class C (@load≥50%); EN61000-3-3; GB17743, GB17625.1, EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547, (surge immunity Line-Earth 6KV, Line-Line 4KV)	
Connection	Input	SJOW 17AWGx3C & H05RN-F 3x1.0mm ² (30cm)
	Output	A-Type: SJOW 17AWGx2C & H05RN-F 2x1.0mm ² (30cm) AB-Type: SJOW 17AWGx2C & H05RN-F 2x1.0mm ² (30cm)+UL2517 20AWGx2C(35cm)
Dimension (LxWxH) (mm)	105x 63x 30	

XLG-25 Series










Model No.	Output	I _o Ripple	Effi.
XLG-25□-○	22~54V, 0.25 ~ 1.05A	5%(max.)	88%

XLG-50 Series










Model No.	Output	I _o Ripple	Effi.
XLG-50□-○	22~54V, 0.53 ~ 2.1A	5%(max.)	90%

□ = Blank, I; Blank: For standard version, I: For India version
○ = A, AB

Note: Products sourced from the Americas regions may not have the PSE/CCC/BIS/KC logo. Please contact your MEAN WELL sales for more information

XLG family selection guide

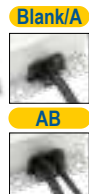
output Model	12V	24V	L type	M type	H type
XLG-25					250~1050 mA
XLG-50					530~2100 mA
XLG-75	5A	3.1A	350~1050 mA		650~2100 mA
XLG-100	8A	4A	350~1050 mA		875~2780 mA
XLG-150	12.5 A	6.25A	350~1050 mA	700~2100 mA	1400~4100 mA
XLG-200	16A	8.3A	350~1050 mA		1750~5500 mA
XLG-240			350~1050 mA	700~2100 mA	2200~6600 mA

* 12V/24V with C.V+C.C mode

XLG series 75~150W

Features

- Full power output at 70~100% Constant power mode operation
- Wide input range 100~305V AC (Class I)
- Built-in active PFC function, Class 2 power unit
- Metal case with IP67, suitable for outdoor application
- Surge protection with 6K V/4K V (10K V/6K V optional)
- India (EESL) version with Input Over Voltage Protection can survive input voltage stress of 440Vac for 48 hours
- 5 years warranty
- Multiple models for choice:
 - Blank-Type: Io and Vo fixed. (For harsh environment)
 - A-Type: IP67 rated. Io adjustable via built-in potentiometer
 - AB-Type: IP67 rated. Io adjustable through built-in potentiometer & 3 in 1 dimming function
- Protections: Over current (for 12, 24V) / Over power (for L, M, H-Type) / Over temperature / Short circuit / Input over voltage (for India version)

		XLG-75	XLG-100	XLG-150
INPUT		 		
OUTPUT (Non-Dimming Models)				
OUTPUT (Dimming Models)				
AC input voltage range		100~305VAC ; 142~431VDC		
AC inrush current (max.)		Cold start, 50A at 230VAC		
Over current protection (for 12,24V)		95%~ 108% Constant current limiting, recovers automatically after fault condition is removed		
Over power protection (for L,M,H-Type)		110% ~ 150% Hiccup mode, recovers automatically after fault condition is removed	105% ~ 150% Hiccup mode, recovers automatically after fault condition is removed	105% ~ 130% Hiccup mode, recovers automatically after fault condition is removed
Over temp. protection		Shut down output voltage, re-power on to recover		
Input over voltage (for India version)		320~370VAC (Shut down output voltage , recovers automatically after fault condition is removed)	320~390VAC (Shut down output voltage , recovers automatically after fault condition is removed)	
Set up time		500ms/230VAC, 1200ms/115VAC		
Withstand voltage		I/P-O/P:4.2KVAC I/P-FG:2.1KVAC O/P-FG:1.5KVAC		
Working temperature		Tcase= -40~+90°C		
Safety standards		UL8750(type"HL"), UL879(For 12V, 24V) , CSA C22.2 No. 250.13-12; ENEC EN61347-1, EN61347-2-13 independent, EN62384; GB19510.1,GB19510.14; IP67, EAC TP TC 004, J61347-1(H29), J61347-2-13(H29), KC61347-1, KC61347-2-13, ISI 5885(Part2/Sec13)(for XLG-75I/100I/150I type only), NOM-058-SCFI-2017		
EMC standards		EN55015,EN61000-3-2 Class C (@load≥50%) ; EN61000-3-3;EN61000-4-2,3,4,5,6,8,11; EN61547, (surge immunity Line-Earth 6KV, Line-Line 4KV)(10K/6K option, except for XLG-75)		
Connection	Input	SJOW 17AWGx3C & H05RN-F 1.0mm² (30cm)		
	Output	Blank/A-Type: SJOW 17AWGx2C & H05RN-F 2x1.0mm²(30cm) AB-Type: SJOW 17AWGx2C & H05RN-F 2x1.0mm²(30cm)+UL2517 20AWGx2C(35cm)	Blank/A-Type: SJOW 17AWG/14AWG(for XLG-100-12 and XLG-150-12/24V) x2C & H05RN-F 2x1.0mm²(30cm) AB-Type: SJOW 17AWGx2C & H05RN-F 2x1.0mm²(30cm)+UL2517 20AWGx2C(35cm)	
Dimension (LxWxH) (mm)		140x 63x 32		180x 63x 35.5

XLG-75 Series









Model No.	Output	I _o Ripple	Effi.
XLG-75□-12○	8.4~12V, 5A	---	89%
XLG-75□-24○	16.8~24V, 3.1A	---	90%
XLG-75□-L ○	53~107V, 350~1050mA	3%	91%
XLG-75□-H ○	27~56V, 650~2100mA	3%	90%

XLG-100 Series









Model No.	Output	I _o Ripple	Effi.
XLG-100 □-12 ○	8.4~12V, 4 ~ 8A	---	92%
XLG-100 □-24 ○	16.8~24V, 2 ~ 4A	---	92%
XLG-100 □-L ○	71~142V, 350~1050mA	3%	92.5%
XLG-100 □-H ○	27~56V, 875~2780mA	3%	91%

XLG-150 Series









Model No.	Output	I _o Ripple	Effi.
XLG-150 □-12○	8.4~12V, 6.5~ 12.5A	---	91.5%
XLG-150 □-24○	16.8~24V, 3.2~ 6.25A	---	93%
XLG-150 □-L ○	120~214V, 350~1050mA	3%	93%
XLG-150 □-M ○	60~107V, 700~2100mA	3%	92.5%
XLG-150 □-H ○	27~56V, 1400~4170mA	4%	92%

□ = Blank, I: Blank; For standard version, I: For India version
 ○ = A, AB, Blank

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XLG series 200~240W

Features

- Full power output at 70~100% Constant power mode operation
- Wide input range 100~305V AC (Class I)
- Built-in active PFC function
- Metal case with IP67, suitable for outdoor application
- Surge protection with 6K V/4K V (10K V/6K V optional)
- India (EESL) version with Input Over Voltage Protection can survive input voltage stress of 440Vac for 48 hours
- 5 years warranty
- Multiple models for choice:
 - Blank-Type: Io and Vo fixed. (For harsh environment)
 - A-Type: IP67 rated. Io adjustable via built-in potentiometer
 - AB-Type: IP67 rated. Io adjustable through built-in potentiometer & 3 in 1 dimming function
- Protections: Over current (for 12, 24V) / Over power (for L, M, H-Type) / Over temperature / Short circuit / Input over voltage (for India version)

		XLG-200	XLG-240
INPUT		  	   
OUTPUT (Non-Dimming Models)			
OUTPUT (Dimming Models)			
AC input voltage range		100~305VAC ; 142~431VDC	
AC inrush current (max.)		Cold start, 65A at 230VAC	Cold start, 75A at 230VAC
Over current protection (for 12,24V)		95%~ 108% Constant current limiting, recovers automatically after fault condition is removed	
Over power protection (for L,M,H-Type)		105% ~ 130% Hiccup mode, recovers automatically after fault condition is removed	
Over temp. protection		Shut down O/P voltage, recovers automatically after temperature goes down	
Input over voltage (for India version)		320 ~ 390VAC (Shut down output voltage when the input voltage exceeds protection voltage)	320 ~ 370VAC (Shut down output voltage when the input voltage exceeds protection voltage)
Set up time		500ms/230VAC, 1200ms/115VAC	
Withstand voltage		I/P-O/P:4.2KVAC I/P-FG:2.1KVAC O/P-FG:1.5KVAC	I/P-O/P:3.75KVAC I/P-FG:2.0KVAC O/P-FG:1.5KVAC
Working temperature		Tcase= -40~+90°C	
Safety standards		UL8750(type"HL"), CSA C22.2 No. 250.13-12; ENEC EN61347-1, EN61347-2-13 independent, EN62384; GB19510.1,GB19510.14; IP67 approved,EAC TP TC 004; J61347-1(H29), J61347-2-13(H29), KC61347-1, KC61347-2-13, IS15885(Part2/Sec13)(for XLG-200 only), NOM-058-SCFI-2017	
EMC standards		EN55015,EN61000-3-2 Class C (@load≥50%) ; EN61000-3-3;EN61000-4-2,3,4,5,6,8,11; EN61547(surge immunity Line-Earth 6KV, Line-Line 4KV)(10K/6KV option);	
Connection	Input	SJOW 17AWGx3C & H05RN-F 3x1.0mm ² (30cm)	
	Output	Blank/A-Type: SJOW 17AWGx2C/14AWGx2C(12V) & H05RN-F 2x1.0mm ² (30cm) AB-Type: SJOW 17AWGx2C & H05RN-F 2x1.0mm ² (30cm) + UL2517 20AWGx2C(35cm)	Blank/A-Type: SJOW 17AWGx2C & H05RN-F 2x1.0mm ² for H&M type (30cm);SJOW 14AWGx2C for 12/24V type(30cm);SOOW 17AWGx2C&H07RN-F 2x1.0mm for L type(30cm) AB-Type: SJOW 17AWGx2C & H05RN-F 2x1.0mm ² for H&M type / SOOW 17AWGx2C&H07RN-F 2x1.0mm ² for L type(30cm) + UL2517 20AWGx2C(35cm)
Dimension (LxWxH) (mm)		199x 63x 35.5mm	219x 63x 35.5mm

XLG-200 Series			
Model No.	Output	I _o Ripple	Effi.
XLG-200 □-12○	8.4~12V, 8 ~ 16A	---	92%
XLG-200 □-24○	16.8~24V, 4.15 ~ 8.3A	---	94%
XLG-200 □-L○	142~285V, 350~1050mA	3%	94%
XLG-200 □-H○	27~56V, 1750~5550mA	3%	93%

XLG-240 Series			
Model No.	Output	I _o Ripple	Effi.
XLG-240 □-L○	178~342V, 350~1050mA	5%	93%
XLG-240 □-M○	90~171V, 700~2100mA	5%	92.5%
XLG-240 □-H○	27~56V, 2400~6660mA	5%	91%

□ = Blank, I: Blank: For standard version, I: For India only
 ○ = A, AB, Blank

Note: Products sourced from the Americas regions may not have the PSE/CCC/BIS/KC logo. Please contact your MEAN WELL sales for more information

ELG series 75~100W

Features

- Constant voltage+constant current modes
- Universal AC input (100 to 305VAC) / Full range
- High efficiency up to 91%
- No load / Standby power consumption <0.5W
- Meet 6KV surge immunity level (IEC61000-4-5)
- Class 2 power unit (ELG-75/100 only)
- Type HL LED Driver for use in Class I, Division 2 hazardous location luminaires
- Suitable for dry / damp / wet locations with IP67
- Suitable for outdoor LED lighting applications
- Protections:
Short circuit / Over current / Over voltage / Over temp.

- Multiple models for choice:

Blank-Type: IP67 rated. Cable for I/O connection (For harsh environment)

A-Type: IP65 rated. Io and Vo adjustable through built-in potentiometer

B-Type: IP67 rated. 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)

AB-Type: IP65 rated. Io adjustable through built-in potentiometer & 3 in 1 dimming function.

D2-Type: IP67 rated. Smart timer dimming function*, contact MEAN WELL for details

DA-Type: IP67 rated. DALI control technology

- 5 years warranty

	ELG-75	ELG-100
INPUT ACN ACL		
INPUT (3Y Models) ACL ACN FG		
OUTPUT (Non-Dimming Models) Vo- Vo+		
OUTPUT (Dimming Models) DIM-/DA DIM+/DA Vo+ Vo-		

AC input voltage range	100~305VAC ; 142~431VDC	
AC inrush current (max.)	Cold start, 50A at 230VAC	Cold start, 60A at 230VAC
DC adjustment range	±10% rated output voltage (A-Type only)	
Current adjustment range	50%~100% via potentiometer (A-Type only)	
Over current protection	95%~108% constant current limiting, auto-recovery	
Over voltage protection	110%~140% rated output voltage	
Over temp. protection	Shut down o/p voltage, re-power on to recover	
Setup, rise, hold up time	500ms, 100ms, 10ms at full load and 230VAC	
Withstand voltage	I/P-O/P: 3.75kVAC I/P-FG: 2kVAC O/P-FG: 1.5kVAC	
Working temperature	Tcase= -40~+85°C	Tcase= -40~+90°C (refer to "OUTPUT LOAD vs TEMPERATURE")
Safety standards	UL8750, IEC/EN/AS/NZ61347-1,-2-13, EN62384, GB19510.1, GB19510.14, EAC TP TC 004, BIS ISI 5885(refer to spec for models), KC61347-1, KC61347-2-13 approved	
EMC standards	EN55015, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547, GB17743, GB17625.1, EAC TP TC 020, KC KN15, KN61547	
Connection	Please refer to page 48	
Dimension (LxWxH) (mm)	180x 63x 35.5	199x 63x 35.5

ELG-75 Series				
Model No.	Output	Tol.	R&N	Effi.
ELG-75-12 Δ -□	12V, 0~5A	±3.0%	150mV	85%
ELG-75-24 Δ -□	24V, 0~3.15A	±3.0%	200mV	88%
ELG-75-36 Δ -□	36V, 0~2.1A	±2.5%	250mV	89%
ELG-75-42 Δ -□	42V, 0~1.8A	±2.5%	250mV	90%
ELG-75-48 Δ -□	48V, 0~1.6A	±2.0%	250mV	90%

○ = Blank, A, B, AB, D2 or DA ; □ = Blank, 3Y

□ = Blank, 2-wire input for standard mode ; □ = 3Y, 3-wire input for standard mode.

ELG-100 Series				
Model No.	Output	Tol.	R&N	Effi.
ELG-100-24 Δ -□	24V, 0~4A	±3%	200mV	88%
ELG-100-36 Δ -□	36V, 0~2.66A	±2.5%	250mV	89%
ELG-100-42 Δ -□	42V, 0~2.28A	±2.5%	250mV	90%
ELG-100-48 Δ -□	48V, 0~2A	±2%	300mV	90%
ELG-100-54 Δ -□	54V, 0~1.78A	±2%	350mV	91%

○ = Blank, A, B, AB, D2 or DA ; □ = Blank, 3Y

*MEAN WELL Smart timer dimming primarily provides the adaptive proportion dimming profile for the output constant current level.

ELG series 150~200W

Features

- Constant voltage+constant current modes
- Universal AC input (100 to 305VAC) / Full range
- High efficiency up to 93%
- No load / Standby power consumption <0.5W
- Meet 6KV surge immunity level (IEC61000-4-5)
- Type HL LED Driver for use in Class I, Division 2 hazardous location luminaires
- Suitable for dry / damp / wet locations
- Suitable for outdoor LED lighting applications
- Protections:
Short circuit / Over current / Over voltage / Over temp.
- 5 years warranty

- Multiple models for choice:

Blank-Type: IP67 rated. Cable for I/O connection (For harsh environment)

A-Type: IP65 rated. Io and Vo adjustable through built-in potentiometer

B-Type: IP67 rated. 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)

AB-Type: IP65 rated. Io adjustable through built-in potentiometer & 3 in 1 dimming function.

D2-Type: IP67 rated. Smart timer dimming function*, contact MEAN WELL for details

DA-Type: IP67 rated. DALI control technology

BE-Type: IP67 rated. 3 in 1 dimming function and 15V/400mA auxiliary output (ELG-150 only)

INPUT	ACN ACL	ELG-150	ELG-200
INPUT (3Y Models)	ACL ACN FG		
OUTPUT (Non-Dimming Models)	Vo- Vo+		
OUTPUT (Dimming Models)	DIM+ DIM- Vo+ Vo-		

AC input voltage range	100~305VAC ; 142~431VDC	
AC inrush current (max.)	Cold start, 65A at 230VAC	Cold start, 75A at 230VAC
DC adjustment range	±10% rated output voltage (A-Type only)	
Current adjustment range	50%~100% via potentiometer (A-Type only)	
Over current protection	95%~108% constant current limiting, auto-recovery	
Over voltage protection	110%~140% rated output voltage	
Setup, rise, hold up time	500ms, 100ms, 10ms at full load and 230VAC	
Withstand voltage	I/P-O/P: 3.75kVAC I/P-FG: 2kVAC O/P-FG: 1.5kVAC	
Working temperature	Tcase= -40~+90°C (refer to "OUTPUT LOAD vs TEMPERATURE")	Tcase= -40~+85°C (refer to "OUTPUT LOAD vs TEMPERATURE")
Safety standards	UL8750, ENEC/AS/NZS/EN61347-1,-2-13, EN62384, GB19510.14, GB19510.1, EAC TP TC 004, BIS IS15885(refer to spec for models), KC61347-1, KC61347-2-13 approved	
EMC standards	EN55015, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547, GB17743, GB17625.1, EAC TP TC 020, KC KN15, KN61547	
Connection	Please refer to page 48	
Dimension (LxWxH) (mm)	219x 63x 35.5	244x 71x 37.5



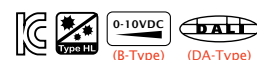
ELG-150 Series



Model No.	Output	Tol.	R&N	Effi.
ELG-150-12(A)-□	12V, 0~10A	±3.0%	150mV	88%
ELG-150-24(A)-□	24V, 0~6.25A	±3.0%	200mV	89%
ELG-150-36(A)-□	36V, 0~4.17A	±2.5%	250mV	90%
ELG-150-42(A)-□	42V, 0~3.57A	±2.5%	250mV	90%
ELG-150-48(A)-□	48V, 0~3.13A	±2.0%	250mV	90%
ELG-150-54(A)-□	54V, 0~2.8A	±2.0%	350mV	91%

○ = Blank, A, B, AB, D2, DA or BE ; □ = Blank, 3Y

□ = Blank, 2-wire input for standard mode ; □ = 3Y, 3-wire input for standard mode.



ELG-200 Series



Model No.	Output	Tol.	R&N	Effi.
ELG-200-12(A)-□	12V, 0~16A	±3%	150mV	90.0%
ELG-200-24(A)-□	24V, 0~8.4A	±2%	200mV	92.0%
ELG-200-36(A)-□	36V, 0~5.55A	±2%	250mV	92.0%
ELG-200-42(A)-□	42V, 0~4.76A	±2%	250mV	92.5%
ELG-200-48(A)-□	48V, 0~4.16A	±2%	250mV	93.0%
ELG-200-54(A)-□	54V, 0~3.72A	±2%	350mV	93.0%

○ = Blank, A, B, AB, D2 or DA ; □ = Blank, 3Y

*MEAN WELL Smart timer dimming primarily provides the adaptive proportion dimming profile for the output constant current level.

ELG series 240~300W

Features

- Constant voltage+constant current modes
- Wide input range 100~305VAC
- High efficiency up to 94%
- No load / Standby power consumption <0.5W(for ELG-240 only)
- Meet 6KV surge immunity level (IEC61000-4-5)
- Type HL LED Driver for use in Class I, Division 2 hazardous location luminaires
- Suitable for dry / damp / wet locations
- Suitable for outdoor LED lighting applications
- Protections:
 - Short circuit / Over current / Over voltage / Over temp.
- Multiple models for choice:(ELG-240)
 - Blank-Type:** IP67 rated. Io and Vo fixed(For harsh environment)
 - A-Type:** IP65 rated. Io and Vo adjustable through built-in potentiometer
 - B-Type:** IP67 rated. 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)
 - AB-Type:** IP65 rated. Io and Vo adjustable through built-in potentiometer & 3 in 1 dimming function.
 - D2-Type:** IP67 rated. Smart timer dimming function*, contact MEAN WELL for details
 - DA-Type:** IP67 rated. DALI control technology
- 5 years warranty

	ELG-240	ELG-300
INPUT ACN ACL INPUT (3Y Models) ACL ACN FG OUTPUT (Non-Dimming Models) Vo- Vo+ OUTPUT (Dimming Models) DIM- DIM+ Vo+ Vo-		
AC input voltage range	100~305VAC ; 142~431VDC	
AC inrush current (max.)	Cold start, 60A at 230VAC	Cold start, 45A at 230VAC
DC adjustment range	±8% rated output voltage (A/AB-Type only)	
Current adjustment range	50%~100% via potentiometer (A/AB-Type only)	
Over current protection	95%~108% constant current limiting, auto-recovery	
Over voltage protection	110%~140% rated output voltage	
Setup, rise, hold up time	500ms, 100ms, at 230VAC	
Withstand voltage	I/P-O/P: 3.75kVAC I/P-FG: 2.0kVAC O/P-FG: 1.5kVAC	
Working temperature	-40~+90°C (refer to "OUTPUT LOAD vs TEMPERATURE")	-40~+85°C (refer to "OUTPUT LOAD vs TEMPERATURE")
Safety standards	UL8750(type"HL"), CSA C22.2 No. 250.13-12, EN61347-1,-2-13, IEC/AS/NZS 61347-1, IEC/AS/NZS 61347-2-13 independent, EN62384, EAC TP TC 004, BIS ISI5885(Note 1), GB19510.14, GB19510.1, IP65 or IP67 approved, KC61347-1, KC61347-2-13	
EMC standards	EN55015, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547, GB17743, GB17625.1, EAC TP TC 020, KC KN15, KN61547	
Connection	Please refer to page 48	
Dimension (LxWxH) (mm)	244x 71x 37.5	246x 77x 39.5

ELG-240 Series

Model No.	Output	Tol.	R&N	Effi.
ELG-240-24(A)-□	24V, 0~10A	±2%	200mV	92.0%
ELG-240-36(A)-□	36V, 0~6.66A	±2%	250mV	92.0%
ELG-240-42(A)-□	42V, 0~5.71A	±2%	250mV	92.5%
ELG-240-48(A)-□	48V, 0~5.0A	±2%	250mV	93.0%
ELG-240-54(A)-□	54V, 0~4.45A	±2%	350mV	93.0%

ELG-300 Series

Model No.	Output	Tol.	R&N	Effi.
ELG-300-12A	12V, 11~22A	±3%	150mV	91.0%
ELG-300-24A	24V, 6.25~12.5A	±2%	240mV	94.0%

○ = Blank, A, B, AB, D2 or DA ; □ = Blank, 3Y

□ = Blank, 2-wire input for standard mode ; □ = 3Y, 3-wire input for standard mode.

Note 1:ELG-240 for 24/24B/36/36A/42/42A/54/54A only, ELG-300(Part2/Sec13)

*MEAN WELL Smart timer dimming primarily provides the adaptive proportion dimming profile for the output constant current level.

ELG-C series 75~100W

Features

- **Constant current mode**
- Universal AC input (100 to 305VAC) / Full range
- High efficiency up to 92%
- **No load / Standby power consumption <0.5W**
- **Meet 6KV surge immunity level (IEC61000-4-5)**
- **Type HL LED Driver for use in Class I, Division 2 hazardous location luminaires**
- Suitable for dry / damp / wet locations
- Suitable for outdoor LED lighting applications
- Protections:
Short circuit / Over voltage / Over temperature

- Multiple models for choice:

Blank-Type: IP67 rated. Cable for I/O connection (For harsh environment)

A-Type: IP65 rated. Io and Vo adjustable through built-in potentiometer

B-Type: IP67 rated. 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)

AB-Type: IP65 rated. Io adjustable through built-in potentiometer & 3 in 1 dimming function.

D2-Type: IP67 rated. **Smart timer dimming function***, contact MEAN WELL for details

DA-Type: IP67 rated. **DALI control technology**

- **5 years warranty**

	ELG-75-C	ELG-100-C
INPUT	ACN ACL	
INPUT (3Y Models)	ACL ACN FG	
OUTPUT (Non-Dimming Models)	Vo- Vo+	
OUTPUT (Dimming Models)	DIM- DIM+ Vo+ Vo-	

AC input voltage range	100~305VAC; 142~431VDC	
AC inrush current (max.)	Cold start, 50A at 230VAC	Cold start, 40A at 230VAC
Current adjustment range	50%~100% via potentiometer (A-Type only)	
Over voltage protection	105%~145% rated output voltage	
Over temperature protection	Shut down o/p voltage, re-power on to recover	
Setup time	500ms at 230VAC	
Withstand voltage	I/P-O/P: 3.75kVAC I/P-FG: 2kVAC O/P-FG: 1.5kVAC	
Working temperature	Tcase=-40~+90°C	Tcase=-40~+85°C (refer to "OUTPUT LOAD vs TEMPERATURE")
Safety standards	UL8750, ENEC/AS/NZS/EN61347-1,-2-13, EN62384, GB19510.1, GB19510.14, EAC TP TC 004, BIS IS15885(refer to spec for models), KC61347-1, KC61347-2-13 approved	
EMC standards	EN55015, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547, GB17743, GB17625.1, EAC TP TC 020, KC KN15, KN61547	
Connection	Please refer to page 48	
Dimension (LxWxH) (mm)	180x 63x 35.5	199x 63x 35.5

ELG-75-C Series	         
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Model No.	Output	Tol.	Io Ripple	Effi.
ELG-75-C350(A)-□	107~214V, 350mA	±5%	5%	91%
ELG-75-C500(A)-□	75~150V, 500mA	±5%	5%	91%
ELG-75-C700(A)-□	53~107V, 700mA	±5%	5%	90%
ELG-75-C1050(A)-□	35~71V, 1050mA	±5%	5%	90%
ELG-75-C1400(A)-□	27~54V, 1400mA	±5%	5%	90%

○ = Blank, A, B, AB, D2 or DA ; □ = Blank, 3Y

□ = Blank, 2-wire input for standard mode ; □ = 3Y, 3-wire input for standard mode.

ELG-100-C Series	         
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Model No.	Output	Tol.	Io Ripple	Effi.
ELG-100-C350(A)-□	143~286V, 350mA	±5%	5%	92%
ELG-100-C500(A)-□	100~200V, 500mA	±5%	5%	91%
ELG-100-C700(A)-□	71~143V, 700mA	±5%	5%	90%
ELG-100-C1050(A)-□	48~95V, 1050mA	±5%	5%	90%
ELG-100-C1400(A)-□	35~72V, 1400mA	±5%	5%	90%

○ = Blank, A, B, AB, D2 or DA ; □ = Blank, 3Y

*MEAN WELL Smart timer dimming primarily provides the adaptive proportion dimming profile for the output constant current level.

ELG-C series 150~200W

Features

- Constant current mode
- Compliant with class II design (ELGT-150-C only)
- Universal AC input (up to 305VAC) / Full range
- High efficiency up to 93%
- No load / Standby power consumption <0.5W
- Meet 6KV surge immunity level (IEC61000-4-5)
- Type HL LED Driver for use in Class I, Division 2 hazardous location luminaires
- Suitable for dry / damp / wet locations with IP67
- Suitable for outdoor LED lighting applications
- Protections: Short circuit / Over voltage / Over temperature
- 5 years warranty

- Multiple models for choice:

Blank-Type: IP67 rated. Cable for I/O connection (For harsh environment)

A-Type: IP65 rated. Io and Vo adjustable through built-in potentiometer

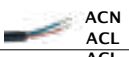
B-Type: IP67 rated. 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)

AB-Type: IP65 rated. Io adjustable through built-in potentiometer & 3 in 1 dimming function.

D2-Type: IP67 rated. Smart timer dimming function*, contact MEAN WELL for details

DA-Type: IP67 rated. DALI control technology

BE-Type: IP67 rated. 3 in 1 dimming function and 15V/400mA auxiliary output (ELG-150-C only)

ELG-150-C/ELGT-150-C		ELG-200-C
INPUT  INPUT (3Y Models)  OUTPUT (Non-Dimming Models)  OUTPUT (Dimming Models) 		
AC input voltage range	100~305VAC; 142~431VDC	
AC inrush current (max.)	Cold start, 65A at 230VAC	
Current adjustment range	50%~100% via potentiometer (A-Type only)	
Over voltage protection	105%~145% rated output voltage	
Over temperature protection	Shut down o/p voltage, re-power on to recover	
Setup time	500ms at 230VAC	
Withstand voltage	I/P-O/P: 3.75kVAC I/P-FG: 2kVAC O/P-FG: 1.5kVAC for ELG-150/200-C; I/P-CASE: 3.75kVAC for ELGT-150-C	
Working temperature(Tcase)	-40~+90°C (refer to "OUTPUT LOAD vs TEMPERATURE") -40~+85°C (refer to "OUTPUT LOAD vs TEMPERATURE")	
Safety standards	UL8750, ENEC EN61347-1, EN61347-2-13, EN62384, GB19510.14, GB19510.1, EAC TP TC 004 approved, BIS ISI 5885(ELG-150-C700A/1050A, 700DA only), KC61347-1, KC61347-2-13	
EMC standards	EN55015, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547, GB17743, GB17625.1, EAC TP TC 020, KC KN15, KN61547	
Connection	Please refer to page 48	
Dimension (LxWxH) (mm)	219x 63x 35.5	244x 71x 37.5

ELG-150-C Series



Model No.	Output	Tol.	Io Ripple	Effi.
ELG-150-C500(A)-□	150~300V, 500mA	±5%	5%	92%
ELG-150-C700(A)-□	107~214V, 700mA	±5%	5%	92%
ELG-150-C1050(A)-□	72~143V, 1050mA	±5%	5%	92%
ELG-150-C1400(A)-□	54~107V, 1400mA	±5%	5%	91%
ELG-150-C1750(A)-□	43~86V, 1750mA	±5%	5%	91%
ELG-150-C2100(A)-□	36~72V, 2100mA	±5%	5%	91%

○ = Blank, A, B, AB, D2, DA or BE ; □ = Blank, 3Y

□ = Blank, 2-wire input for standard mode ;

□ = 3Y, 3-wire input for standard mode.

*MEAN WELL Smart timer dimming primarily provides the adaptive proportion dimming profile for the output constant current level.

ELGT-150-C Series



Model No.	Output	Tol.	Io Ripple	Effi.
ELGT-150-C700(A)	107~214V, 700mA	±5%	5%	92%
ELGT-150-C1050(A)	72~143V, 1050mA	±5%	5%	92%
ELGT-150-C1400(A)	54~107V, 1400mA	±5%	5%	91%

ELG-200-C Series



Model No.	Output	Tol.	Io Ripple	Effi.
ELG-200-C700(A)-□	142~286V, 700mA	±5%	5%	93%
ELG-200-C1050(A)-□	95~190V, 1050mA	±5%	5%	93%
ELG-200-C1400(A)-□	71~142V, 1400mA	±5%	5%	92%
ELG-200-C1750(A)-□	57~114V, 1750mA	±5%	5%	92%
ELG-200-C2100(A)-□	48~96V, 2100mA	±5%	5%	92%

○ = Blank, A, B, AB, D2 or DA ; □ = Blank, 3Y

ELG-C & ELGC series 240~300W

Features

- Constant power mode (for ELGC-300)
- Constant current mode output (for ELG-240-C)
- Universal AC input (100 to 305VAC) / Full range
- High efficiency up to 94.5%
- Standby power consumption<0.5W(for ELG-240-C)
- Meet 6KV surge immunity level (IEC61000-4-5)
- Type HL LED driver for use in Class I, Division 2 hazardous location luminaires
- Suitable for dry / damp / wet locations
- Suitable for outdoor LED lighting applications
- Protections: Short circuit / Over voltage / Over temperature
- 5 years warranty

- Multiple models for choice:

Blank-Type: IP67 rated. Cable for I/O connection(For harsh environment)

A-Type: IP65 rated. Io and Vo adjustable through built-in potentiometer

B-Type: IP67 rated. 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)

AB-Type: IP65 rated. Io adjustable through built-in potentiometer
& 3 in 1 dimming function.

D2-Type: IP67 rated. **Smart timer dimming function***, contact MEAN WELL for details

DA-Type: IP67 rated. DALI control technology

ADA-Type: IP67 rated. DALI 2.0 control technology

INPUT	ACN
	ACL
INPUT (3Y Models)	ACN
	FG
OUTPUT (Non-Dimming Models)	Vo-
	Vo+
OUTPUT (Dimming Models)	DIM-
	DIM+
	Vo+
	Vo-



AC input voltage range	100~305VAC; 142~431VDC	
AC inrush current (max.)	Cold start 75A at 230VAC	Cold start 45A at 230VAC
Current adjustment range	50%~100% via potentiometer(A/AB-Type only)	32.5%~100% via potentiometer(A/AB-Type only)
Over voltage protection	105%~145% rated output voltage	
Over temperature protection	Shut down o/p voltage, re-power on to recover	Tcase>85°C±5°C, derate power automatically by 6%/°Cmax
Setup time	800ms/115VAC, 500ms/230VAC	500ms at 230VAC and 115VAC
Withstand voltage	I/P-O/P:3.75kVAC I/P-FG: 2kVAC O/P-FG: 1.5kVAC	
Working temperature	Tcase=-40~+85°C (refer to "OUTPUT LOAD vs TEMPERATURE")	
Safety standards	UL8750(type"HL"), CSA C22.2 No. 250.13-12, ENEC EN61347-1, EN61347-2-13 independent; AS/NZS 61347-1,AS/NZS 61347-2-13 independent,EN62384, EAC TP TC 004,KC61347-1, KC61347-2-13, GB19510.14,GB19510.1	
EMC standards	EN55015, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,6,8,11, EN61547; GB17743, GB17625.1, EAC TP TC 020,KC KN15, KN61547	
Connection	Please refer to page 48	
Dimension (LxWxH) (mm)	244x 71x 37.5	246x 77x 39.5

ELG-240-C Series

UL US (for 700A, 1050A only) ENEC CB CE

0-10VDC (B-Type) (DA-Type)

Model No.	Output	Tol.	Io Ripple	Effi.
ELG-240-C700(A)-□	172~343V, 700mA	±5.0%	5%	93%
ELG-240-C1050(A)-□	114~228V, 1050mA	±5.0%	5%	93%
ELG-240-C1400(A)-□	86~171V, 1400mA	±5.0%	5%	93%
ELG-240-C1750(A)-□	69~137V, 1750mA	±5.0%	5%	93%
ELG-240-C2100(A)-□	57~115V, 2100mA	±5.0%	5%	93%

○ = Blank, A, B, AB, D2 or DA ; □ = Blank, 3Y

ELGC-300 Series

UL US ENEC CB CE

0-10VDC (DA-Type) (B-Type)

Model No.	Vout	Iout(mA)		Tol.	Io Ripple	Effi.
		100~180VAC	200~305VAC			
ELGC-300-L-□	116~232V	650~1700	650~2000	±5%	5%	94.5%
ELGC-300-M-□	58~116V	1300~3400	1300~4000	±5%	5%	93.5%
ELGC-300-H-□	29~58V	2600~6800	2600~8000	±5%	5%	92.5%

□ = Blank, A, AB, D2 or ADA

*MEAN WELL Smart timer dimming primarily provides the adaptive proportion dimming profile for the output constant current level.

Globally Certified Cable Adoption for ELG

ELG-75/100 Series

Connection	Input	SJOW 17AWGx2C & H05RN-F 1.0mm ² (30cm)
	Output	- Blank/A-Type: SJOW 17AWGx2C & H05RN-F 1.0mm² (30cm) - B/AB/D2/DA-Type: SJOW 17AWGx2C & H05RN-F 1.0mm² (30cm) + SJOW 17AWGx2C & H05RN-F 1.0mm² (30cm)

ELG-150 Series

Connection	Input	SJOW 17AWGx2C & H05RN-F 1.0mm ² (30cm)
	Output	- Blank/A-Type: SJOW 17AWGx2C & H05RN-F 1.0mm² (30cm) - B/AB/D2/DA-Type: SJOW 17AWGx2C & H05RN-F 1.0mm² (30cm) + SJOW 17AWGx2C & H05RN-F 1.0mm² (30cm) - BE-Type: SJOW 17AWGx4C & H05RN-F 1.0mm² (30cm)+ SJOW 17AWGx2C & H05RN-F 1.0mm² (30cm)

ELG-200/240 Series

Connection	Input	SJOW 17AWGx2C & H05RN-F 1.0mm ² (30cm)
	Output	- Blank/A-Type: SJTW 14AWGx2C (30cm) for 12V SJOW 17AWGx2C & H05RN-F 1.0mm² (30cm) for others - B/AB/D2/DA-Type: SJTW 14AWGx2C (30cm) + SJOW 17AWGx2C & H05RN-F 1.0mm² (30cm) for 12V SJOW 17AWGx2C & H05RN-F 1.0mm² (30cm) + SJOW 17AWGx2C & H05RN-F 1.0mm² (30cm) for others

ELG-75/100-C Series

Connection	Input	SJOW 17AWGx2C & H05RN-F 1.0mm ² (30cm)
	Output	- Blank/A-Type: SJOW 17AWGx2C & H05RN-F 1.0mm² (30cm) - B/AB/D2/DA-Type: SJOW 17AWGx2C & H05RN-F 1.0mm² (30cm) + SJOW 17AWGx2C & H05RN-F 1.0mm² (30cm)

ELG-150-C Series

Connection	Input	SJOW 17AWGx2C & H05RN-F 1.0mm ² (30cm)
	Output	- Blank/A-Type: SJOW 17AWGx2C & H05RN-F 1.0mm² (30cm) - B/AB/D2/DA-Type: SJOW 17AWGx2C & H05RN-F 1.0mm² (30cm) + SJOW 17AWGx2C & H05RN-F 1.0mm² (30cm) - BE-Type: SJOW 17AWGx4C & H05RN-F 1.0mm² (30cm)+ SJOW 17AWGx2C & H05RN-F 1.0mm² (30cm)

ELG-200/240-C Series

Connection	Input	SJOW 17AWGx2C & H05RN-F 1.0mm ² (30cm)
	Output	- Blank/A-Type: SJOW 17AWGx2C & H05RN-F 1.0mm² (30cm) - B/AB/D2/DA-Type: SJOW 17AWGx2C & H05RN-F 1.0mm² (30cm) + SJOW 17AWGx2C & H05RN-F 1.0mm² (30cm)

ELGC-300 / ELG-300 Series

Connection	Input	SJOW 17AWGx3C & H05RN-F 1.0mm ² (30cm)
	Output	- Blank/A-Type: SJOW 17AWGx2C & H05RN-F 1.0mm² (30cm) / ELG-300: SJOW 14AWGx2C & H05RN-F 1.0mm² (30cm) - AB/D2/DA-Type: SJOW 17AWGx2C & H05RN-F 1.0mm² (30cm) + SJOW 17AWGx2C & H05RN-F 1.0mm² (30cm) - Dimming cable: UL2517 20AWGx2C(30cm)