

Carbon

By Christo Logan

Description

Indoor Pendant Fixture

Fixture

Material: Acrylic + Polycarbonate Color: Clear + White Dims: 12.8 x 14.7 x 2.6 in

Dims: 324 x 373 x 66 mm

Cord

Color: White Length: 20 ft / 6 m

Driver

Fits in most Junction Boxes Dimming: Triac, ELV, 0-10V Input Voltage: 100-305V AC

LED

Input: 15W Output: 1000 lm User replaceable: No

Life Expectancy: 50,000 hours Color Accuracy: CRI 95+, R9 90+ Input: 12V Constant Voltage

Warranty

Fixture: 5 years Driver: 3 years

Certification

ETL Listed (UL + CSA Standards) Damp Location CE, RoHS

Download CAD, Revit, IES

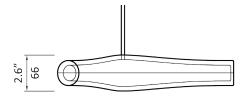
http://two.parts/carbon

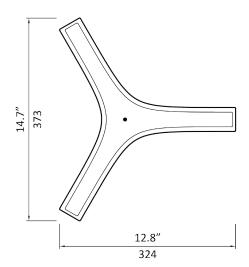
Light Temp

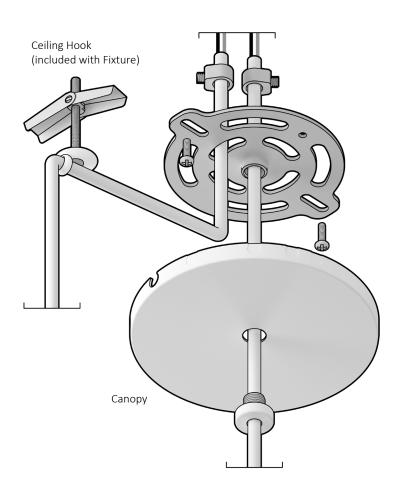
□ CAR-CW-27 : 2700K □ CAR-CW-30 : 3000K □ CAR-CW-35 : 3500K

Cluster Size: Driver

□ 1 : Two Parts 25W Driver
□ 2 : Two Parts 40W Driver
□ 3 : PWM-90-12 Driver
□ 4 : PWM-90-12 Driver
□ 5 : PWM-90-12 Driver
□ 6 : PWM-90-12 Driver
□ 7 : Any 110W+ 12V CV Driver

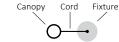






Center & Side Mounted Side Mounted Only

0

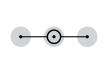


 \odot

2

1





3



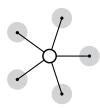


4





5



Canopy01

By Christo Logan

Part No

C01-W-7P

Canopy

Fixtures Supported: 1-7 Material: Steel

Color: White

Dims: Ø4 1/2 x H3/8 in Dims: Ø115 x H9 mm

Features

Low Profile No exposed screws Side port knockouts Center port cap

Ceiling Hook

Included with Fixture Screw size: #8 or M4 flathead

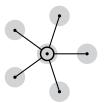
Material: Steel Color: White Dims: Ø0.8 x H0.4 in Dims: Ø20 x H11 mm

Certification

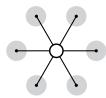
ETL Listed (UL & CSA Standards) Damp Location CE, RoHS

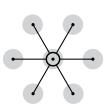
Download CAD, Revit, IES

http://two.parts/canopy01









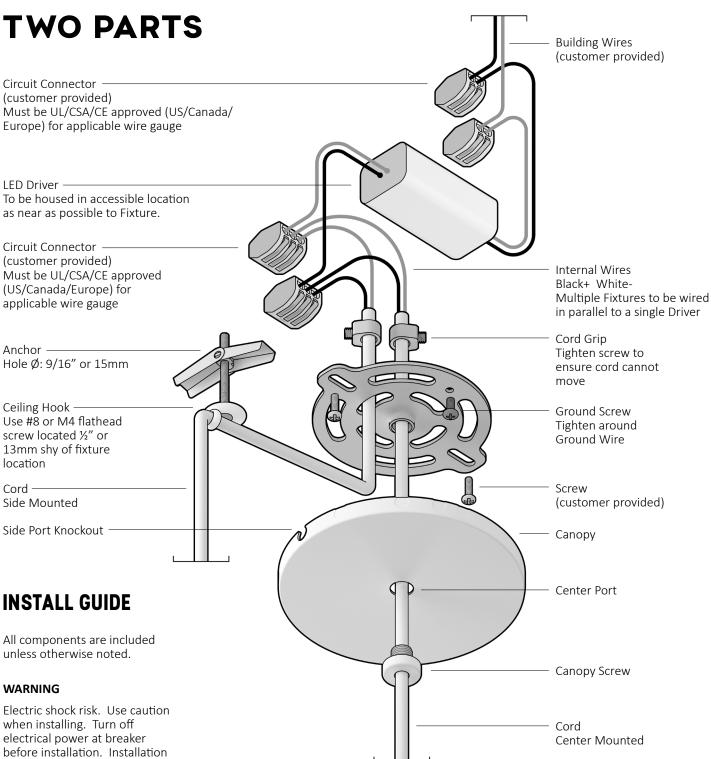
7 Fixtures

© 2023 Two Parts LLC http://two.parts two.parts@two.parts

tel +1 (323) 332 1233

@two_parts

Jan 28, 2023



should be performed by a qualified electrician only.

The installer must ensure that the ceiling can support fixture's weight and reinforce ceiling structure by adequate means if necessary.

MAINTENANCE

Wipe exposed surfaces with dry cloth as needed.

INSTRUCTIONS

1A Center Mount Remove cap from Canopy Screw.

1B Side Mount Install Ceiling Hook(s) with loop facing away from canopy. Knock out side port(s) according to cluster configuration.

2 Cut each Cord to desired length, leaving 3" (70mm) of exposed Internal Wires.

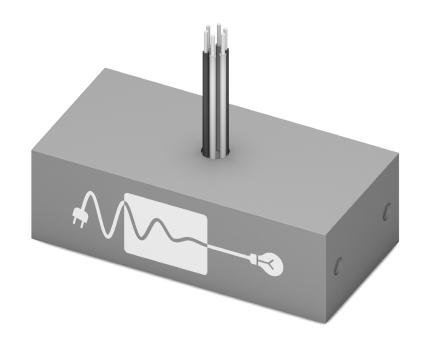
3A Center Mount Thread Cord through Canopy Screw, Canopy, Crossbar and Cord Grip.

3B Side Mount Thread Cord through Ceiling Hook, Crossbar and Cord Grip.

4 Secure Cord Grip onto each Cord with 1/2" (10mm) of Cord left above.

- **5** Using Circuit Connectors appropriate to local building code, connect Internal Wires to Driver and connect Driver to Building Wires.
- 6 Screw Crossbar to ceiling or outlet box.
- **7** Affix Canopy Screw to Crossbar with Canopy in between.

© 2023 Two Parts LLC http://two.parts two.parts@two.parts tel +1 (323) 332 1233 @two_parts Jan 28, 2023



Driver 25W

By LTF LLC

Part No

D25W12V-UI-UD

Description

Dimmable Low Voltage LED Driver

Manufacturer Part

LTF DS25W12VBF1UD

Features

Fits in most Junction Boxes Auto-reset, Short Circuit, Overload and Thermal Protection

Warranty

3 year limited warranty

Input

Voltage: 100-305V AC Frequency: 50/60Hz

Output

Type: Constant Voltage Power: 25W

Voltage: 12V DC Current: 2083mA

Specs

Dimming: Triac, ELV, 0-10V Class: Class 2 Power Supply

IP Rating: IP67

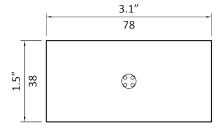
Humidity: 95% RH Max

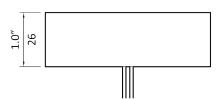
Certification

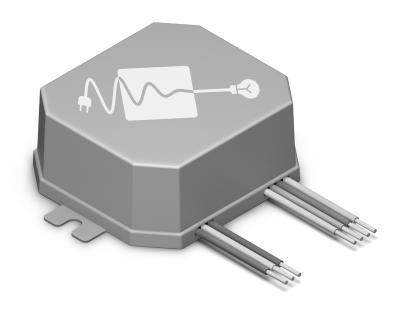
UL8750, UL1310 CE, ROHS FCC Part 15 Class B Compliant

Dimensions

3.1 x 1.5 x 1.0 in 78 x 38 x 26 mm







Driver 40W

By LTF LLC

Part No

D40W12V-UI-UD

Description

Dimmable Low Voltage LED Driver

Manufacturer Part

LTF DS40W12VOCUD

Features

Fits in most Junction Boxes Auto-reset, Short Circuit, Overload and Thermal Protection

Warranty

3 year limited warranty

Input

Voltage: 100-305V AC Frequency: 50/60Hz

Output

Type: Constant Voltage

Power: 40W Voltage: 12V DC Current: 3333mA

Specs

Dimming: Triac, ELV, 0-10V Class: Class 2 Power Supply

IP Rating: IP67

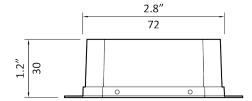
Humidity: 95% RH Max

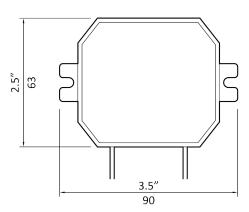
Certification

UL8750, UL1310 CE, RoHS FCC Part 15 Class B Compliant

Dimensions

3.5 x 2.5 x 1.2 in 90 x 63 x 30 mm









	LTF Drivers Dimmer Compatibility List			
	Dimmer brand: Lutron, Crestron, Leviton			
1	Lutron DIVA CL	DVCL-153P-WH		
2	Lutron DIVA ELV	DVELV-303P		
3	Lutron Home Works	HQRD-6A		
4	Lutron Home Works	HQRD-6NA		
5	Leviton	Model 6615		
6	Leviton	Model 6672		
7	Leviton	Model 6674/IPL06		
8	Leviton	Model IPE04		
9	Leviton	Model IPI06		
10	Leviton	Model VP106		
11	Leviton	Model VPE04		
12	Leviton	VPM06		
13	Leviton	VRE04		
14	Leviton	Model VRM10		
15	Lutron MAESTRO	MRF2-6ELV-120-WH		
16	Lutron NOVA T	NTELV-600-WH		
17	Lutron NOVA	NVELV-600-WH		
18	Lutron SKYLARK	SELV-600-WH		
19	Lutron	MRF2-6ELV-120-WH		
20	Lutron Vierti	VTELV-600-XXX		
21	Lutron NOVA T	NTELV-300		
22	Lutron MAESTRO	MAELV-600		
23	Lutron MAESTRO	MSCELV-600M		
24	Lutron MAESTRO IR	MIRELV-600		
25	Lutron MAESTRO WIRELESS	MRF2-6ELV-120		





26	Lutron CASETA WIRELESS	PD-6WCL		
27	Lutron MAESTRO RF	RRA-6D		
28	Lutron MAESTRO RF	RRA-6NA		
29	Lutron MAESTRO RF	RRA-6ND		
30	Skylark Contour	CTELV-303P		
31	CRESTON	SELV-300P		
32	CRESTON	CLS-C6		
33	CRESTON	CLS-C6M		
34	CRESTON	CLS-C6EX		
35	CRESTON	CLS-C6MEX		
36	CRESTON	CLS-C6MRF		
37	CRESTON	CLS-C6RF		
38	CRESTON	CLS-EXP-DIM		
39	CRESTON	CLS-EXP-DIMU		
40	CRESTON	CLX-1DIM4		
41	CRESTON	CLX-1DIM8		
42	CRESTON	CLX-2DIM2		
43	CRESTON	CLX-2DIM8		
44	CRESTON	CLX-1DELV4		
45	CRESTON	DIN-1DIM4		
46	CRESTON	DIN-1DIMU4		
47	CRESTON	CLW-DIMEX-E		
48	CRESTON	CLW-DIMEX-P		
49	CRESTON	CLW-DIMSWEX-E		
50	CRESTON	CLW-DIMSWEX-P		





51	CRESTON	P-DIMEX		
52	CRESTON	GLX-DIM6		
52	CRESTON	GLX-DIIVIO		
53	CRESTON	GLXX-2DIM8		
54	CRESTON	CLW-DELVEX-E		
55	CRESTON	CLW-DELVEX-P		
56	Lutron Diva	0-10V DVSTV		
57	Lutron Diva	0-10V DVTV		
58	Leviton	IP710		
59	Leviton	DS710		
60	Leviton	DD710		
61	Crestron	CLX-2DIMFLV8		
62	Crestron	DIN-4DIMFLV4		
63	Crestron	CLS-EXP-DIMFLV		
64	Crestron	GLX-DIMFLV8		

^{*} These are a few examples of dimmers tested for compatability.

There are many other dimmers that are compatable on the market.























Features

- · Constant Voltage PWM style output
- Emergency lighting application is available according to IEC61347-2-13
- Built-in active PFC function and class II design
- Class 2 power unit(except PWM-90-12)
- No load power consumption <0.5W
- Fully encapsulated with IP67 level
- Function: 3 in 1 dimming (dim-to-off); DALI/DALI-2
- · Minimum dimming level 0.2% for DALI type
- Typical lifetime>50000 hours and 5 years warranty

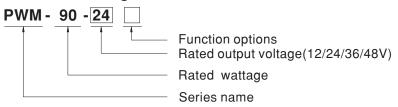
Applications

- · LED strip lighting
- Indoor LED lighting
- LED decorative lighting
- · LED architecture lighting
- · Industrial lighting

Description

PWM-90 series is a 90W LED AC/DC LED driver featuring the constant voltage mode with PWM style output, which is able to maintain the brightness homogeneity when driving all kinds of LED strips.PWM-90 operates from 90~305VAC and offers models with different rated voltage ranging between 12V and 48V. Thanks to the high efficiency up to 90.5%, with the fanless design, the entire series is able to operate for -40 °C ~ +85 °C case temperature under free air convection. The entire series is rated with IP67 ingress protection level and is suitable to work for dry, damp or wet locations. PWM-90 is equipped with dimming function that varies the duty cycle of the output, providing great flexibility for LED strips applications.

■ Model Encoding



Туре	IP Level	Function	Note
Blank	IP67	3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	In Stock
DA	IP67	DALI control technology(for 12V/24V with DA type only)	In Stock
DA2	IP67	DALI-2 control technology(for 12V/24V/48V with DA2 type only)	In Stock

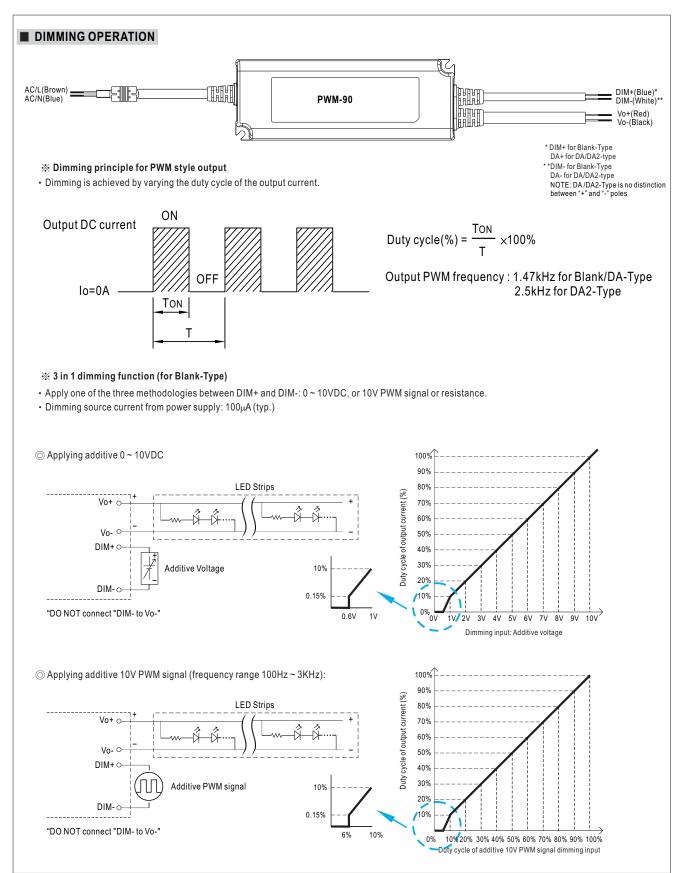




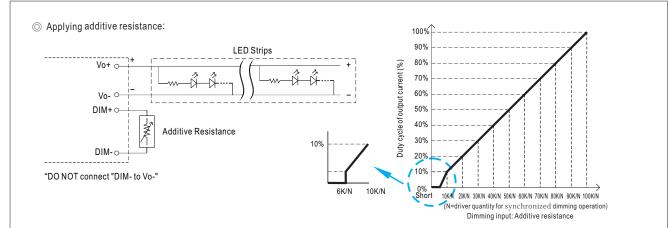
SPECIFICATION

MODEL		PWM-90-12□	PWM-90-24□	PWM-90-36□	PWM-90-48□	
	DC VOLTAGE	12V	24V	36V	48V	
	RATED CURRENT	7.5A	3.75A	2.5A	1.88A	
	RATED POWER	90W	90W	90W	90.24W	
OUTPUT	DIMMING RANGE	0 ~ 100%				
301FUI	PWM FREQUENCY (Typ.)	1.47kHz for Blank/DA-Type, 2.5kHz for DA2-Type				
	SETUP, RISE TIME Note.2	500ms, 80ms/ 115VAC or 230VAC				
	HOLD UP TIME (Typ.)	16ms/115VAC or 230VAC				
	VOLTAGE RANGE Note.3	90 ~ 305VAC 127 ~ 431VDC				
	VULTAGE RANGE Note.3	(Please refer to "STATIC CHARACTERISTIC" section)				
	FREQUENCY RANGE	47 ~ 63Hz				
	POWER FACTOR (Typ.)	PF>0.98/115VAC, PF>0.96/230VAC, PF>0.92/277VAC @ full load (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)				
	TOTAL HARMONIC DISTORTION	THD< 20%(@load≧60%/115 (Please refer to "TOTAL HAR				
INPUT	EFFICIENCY (Typ.)	88%	90.5%	90.5%	90.5%	
	AC CURRENT (Typ.)	0.95A / 115VAC 0.5A / 23	30VAC 0.4A / 277V	\C		
	INRUSH CURRENT (Typ.)	COLD START 60A(twidth=550	μs measured at 50% lpea	k) at 230VAC; Per NEMA 410		
	MAX. NO. of PSUs on 16A CIRCUIT BREAKER	3 units (circuit breaker of type B) / 6 units (circuit breaker of type C) at 230VAC				
	LEAKAGE CURRENT	<0.25mA / 277VAC				
	NO LOAD POWER CONSUMPTION	<0.5W				
	OVEDI OAD	108 ~ 130% rated output power	er			
	OVERLOAD	Hiccup mode, recovers autom	atically after fault conditi	on is removed		
PROTECTION	SHORT CIRCUIT	Shut down o/p voltage, re-po Hiccup mode, recovers autor	ower on to recover(exce	ot for DA2-type)	12 tuno)	
PROTECTION		15 ~ 17V	28 ~ 34V	41 ~ 46V	54 ~ 60V	
	OVER VOLTAGE	Shut down o/p voltage, re-po		41 7 40 0	34 - 00 0	
	OVER TEMPERATURE	Shut down o/p voltage, re-po				
	WORKING TEMP.	Tcase=-40 ~ +85°C (Please re		rs TEMPERATURE" section)		
	MAX. CASE TEMP.	Tcase=+85°C	CICI TO TO TECHE	3 TEIWII EINATOINE SCOUOTI)		
	WORKING HUMIDITY	20 ~ 95% RH non-condensing				
ENVIRONMENT	STORAGE TEMP., HUMIDITY					
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)				
	VIBRATION	, ,	e period for 72min each	along X Y 7 axes		
	SAFETY STANDARDS Note.5	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes UL8750(except for DA-Type), CSA C22.2 No. 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61347-2-13 independent, BS EN/EN62384, IP67,BIS IS15885(for 12,24,48 Blank Type only), EAC TP TC 004,GB19510.1, GB19510.14 approved; Design refer to BS EN/EN60335-1;According to BS EN/EN61347-2-13 appendix J suitable for emergency installations				
	DALI STANDARDS	IEC62386-101, 102, 207,251 for DA/DA2-Type only, Device type 6(DT6)				
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC; I/P-DA:1.5KVAC; O/P-DA:1.5KVAC				
EMC	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH				
	EMC EMISSION Note.6	Compliance to BS EN/EN55015, BS EN/EN61000-3-2 Class C (@load ≥ 60%) ; BS EN/EN61000-3-3,GB17743 and GB17625.1,EAC TP TC 020				
	EMC IMMUNITY	Compliance to BS EN/EN6100 EAC TP TC 020	00-4-2,3,4,5,6,8,11; BS E	N/EN61547, light industry lev	vel (surge immunity Line-Line 2KV),	
	MTBF		SR-332 (Bellcore);	24.2K hrs min. MIL-HDBK	(-217F (25°C)	
OTHERS	DIMENSION	171*63*37.5mm (L*W*H)				
	PACKING	0.77Kg; 18pcs/14.9Kg/0.97Cl				
NOTE	 All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25℃ of ambient temperature. De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details. Length of set up time is measured at first cold start. Turning ON/OFF the driver may lead to increase of the set up time. The driver is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again. This series meets the typical life expectancy of >50,000 hours of operation when Tcase, particularly (c) point (or TMP, per DLC), is about 75℃ or less. Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com The ambient temperature derating of 3.5℃/1000m with fanless models and of 5℃/1000m with fan models for operating altitude higher than 2000m(6500f For any application note and IP water proof function installation caution, please refer our user manual before using. https://www.meanwell.com//Upload//PDF/LED_EN.pdf Based on IEC 62386-101/102 DALI power on timing and interruption regulations, the set up time needs to test with a DALI controller which 					
	can support for DALI power on function, otherwise the set up time will be higher than 0.5 second for DA type. X Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx					







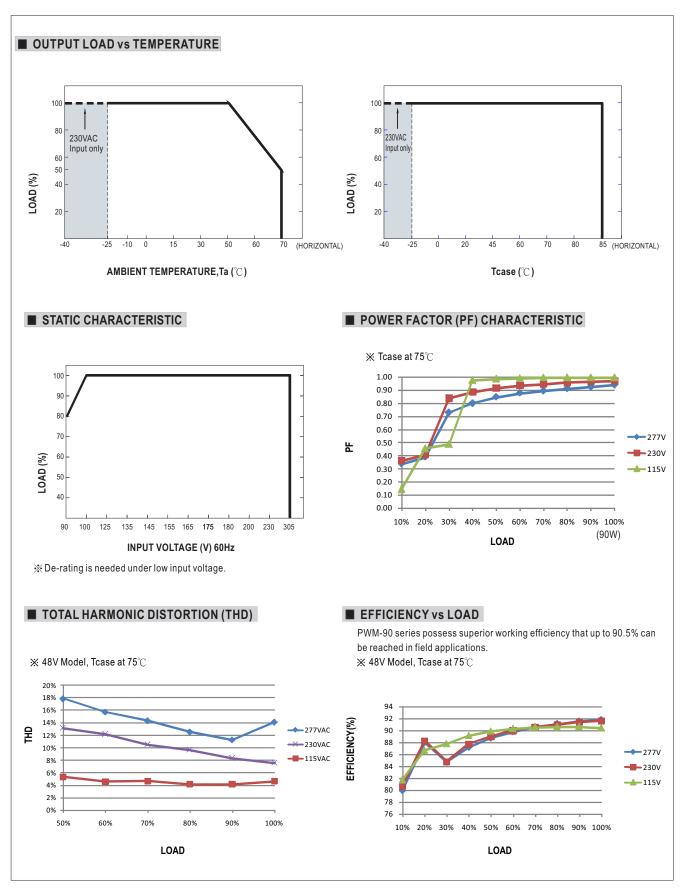


Note: 1. Min. duty cycle of output current is about 0.15%, and the dimming input is about $6K\Omega$ or 0.6VDC, or 10V PWM signal with 6% duty cycle. 2. The duty cycle of output current could drop down to 0% when dimming input is less than $6K\Omega$ or less than 0.6VDC, or 10V PWM signal with duty cycle less than 6%.

※ DALI Interface (primary side; for DA/DA2-Type)

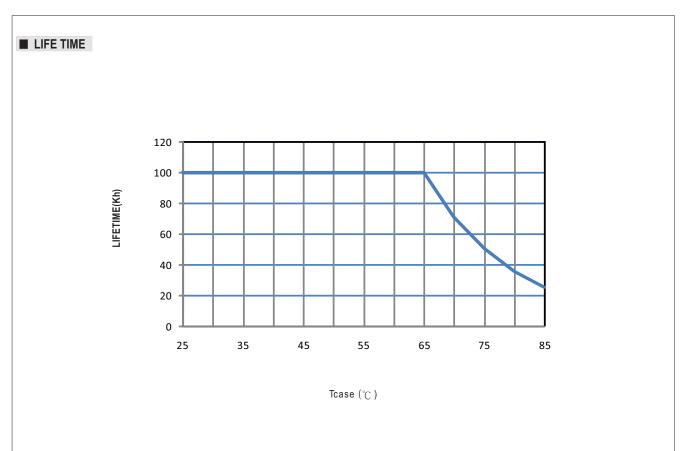
- \bullet Apply DALI signal between DA+ and DA-.
- DALI protocol comprises 16 groups and 64 addresses.
- First step is fixed at 0.2% of output



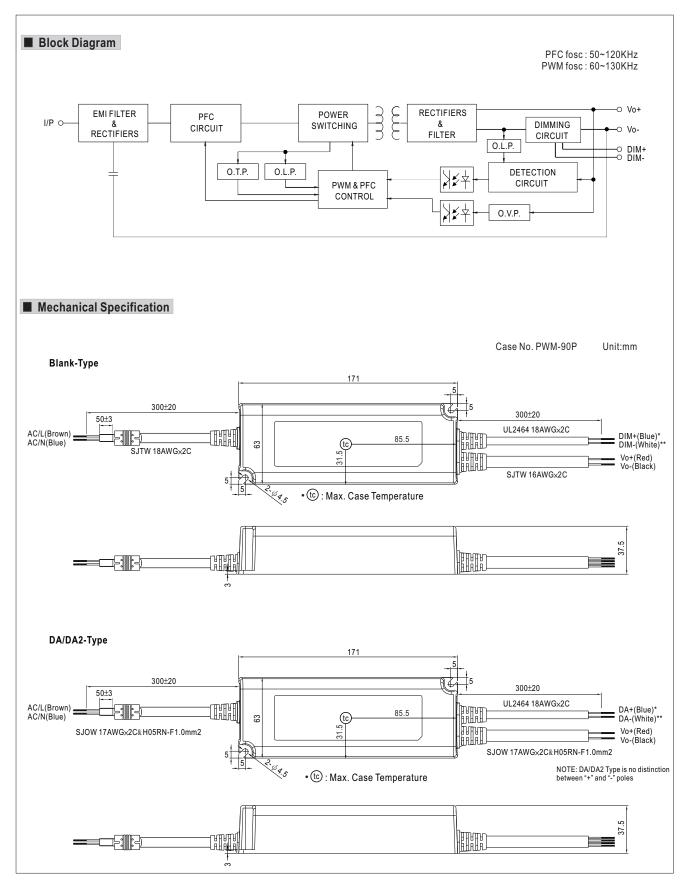




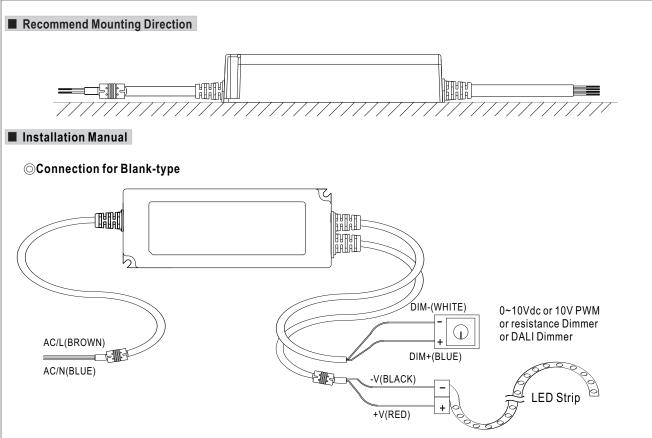












Cautions

- · Before commencing any installation or maintenance work, please disconnect the power supply from the utility. Ensure that it cannot be re-connected inadvertently!
- Keep proper ventilation around the unit and do not stack any object on it. Also a 10-15 cm clearance must be kept when the adjacent device is a heat source.
- · Mounting orientations other than standard orientation or operate under high ambient temperature may increase the internal component temperature and will require a de-rating in output current.
- · Current rating of an approved primary /secondary cable should be greater than or equal to that of the unit. Please refer to its specification.
- · For LED drivers with waterproof connectors, verify that the linkage between the unit and the lighting fixture is tight so that water cannot intrude into the system.
- For dimmable LED drivers, make sure that your dimming controller is capable of driving these units.PWM series require 0.15mA each unit.
- Tc max. is identified on the product label. Please make sure that temperature of Tc point will not exceed limit.
- DO NOT connect "DIM- to Vo-".
- Suitable for indoor use or outdoor use without direct sunlight exposure. Please avoid immerse in the water over 30 minutes.
- The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.

