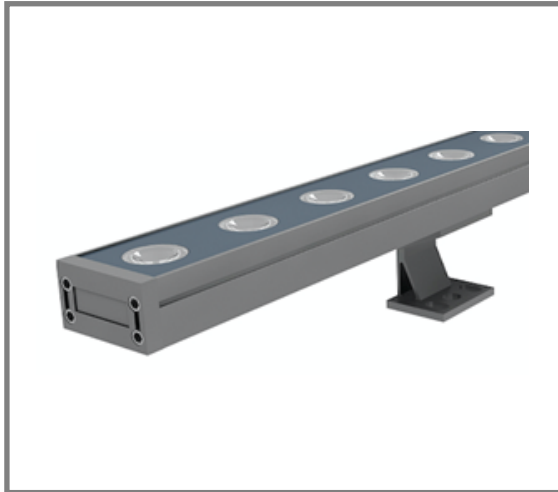
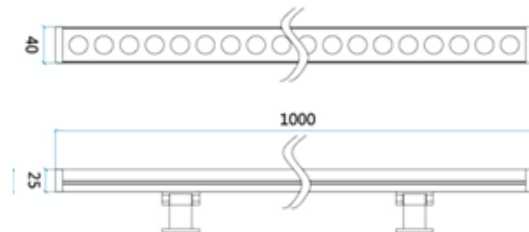


Image:



Dimension:



Technical data

Type	Linear Light
Installation position	Surface mounted
Installation environment	Outdoor
LED Chip	High Power SMDs
Beam Angle	10°/40°/60°
Light distribution	Symmetric
Power	12W LED
Source lumens	1240Lm
Frequency	50 - 60 Hz
CCT / Tone	2700K / 3000K / 4000K
Colour rendering index	80 Ra
AC / DC	AC 220V
Energy class	A++
Safety class	II
IP	IP66
Glow wire test	850°
Direct mounting on normally flammable surfaces	Yes
Operating temperature	-30°C / +55°C

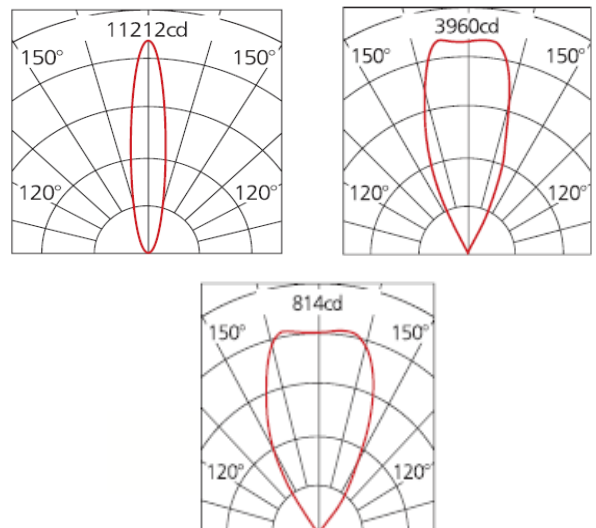
Finishing casing

Material	Die cast aluminium housing, and end cap, adjustable mounting brackets and external stainless steel screws
Colour	White / Black / Gray
Processing	Powder coating

Finishing diffuser

Material	Clear safety glass
Colour	Transparent
Accessories	Anti glare louver (available separately)

Photometric



IP68 Male Female
water proof connector





■ Features :

- Constant voltage design
- Universal AC input / Full range
- Fully encapsulated with IP67 level (Note.8)
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Overload / Over voltage
- Fully isolated plastic case
- Cooling by free air convection
- 100% full load burn-in test
- Low cost, high reliability
- Suitable for LED related fixture or appliance (such as LED Decoration or Advertisement devices)(Note 7.)

IS 15885(Part 2/Sec13)

R-41027766
(for 12V,24V only)

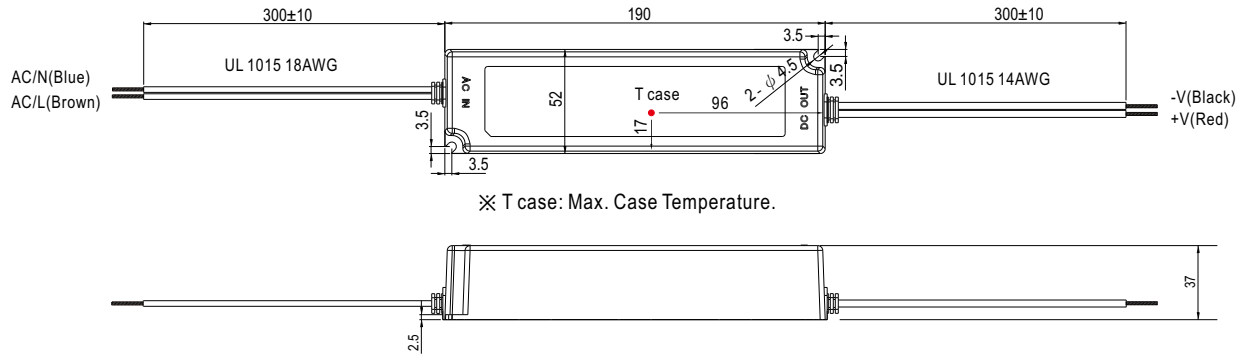
IP67

SPECIFICATION

MODEL		LPV-100-5	LPV-100-12	LPV-100-15	LPV-100-24	LPV-100-36	LPV-100-48
OUTPUT	DC VOLTAGE	5V	12V	15V	24V	36V	48V
	RATED CURRENT	12A	8.5A	6.7A	4.2A	2.8A	2.1A
	CURRENT RANGE	0 ~ 12A	0 ~ 8.5A	0 ~ 6.7A	0 ~ 4.2A	0 ~ 2.8A	0 ~ 2.1A
	RATED POWER	60W	102W	100.5W	100.8W	100.8W	100.8W
	RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p	120mVp-p	150mVp-p	150mVp-p	150mVp-p
	VOLTAGE TOLERANCE Note.3	±8.0%	±5.0%				
	LINE REGULATION	±1.0%					
	LOAD REGULATION	±6.0%	±2.0%				
	SETUP, RISE TIME Note.6	2000ms, 25ms / 230VAC 2000ms, 25ms / 115VAC					
HOLD UP TIME (Typ.)	50ms/230VAC	14ms/115VAC at full load					
INPUT	VOLTAGE RANGE Note.4	90 ~ 264VAC	127 ~ 370VDC				
	FREQUENCY RANGE	47 ~ 63Hz					
	EFFICIENCY (Typ.)	80%	85%	87%	88%	88%	89%
	AC CURRENT	2.2A/115VAC 1.2A/230VAC					
	INRUSH CURRENT(Typ.)	COLD START 75A(twidth=700μs measured at 50% Ipeak) at 230VAC					
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	2 units (circuit breaker of type B) / 3 units (circuit breaker of type C) at 230VAC					
	LEAKAGE CURRENT	0.25mA / 240VAC					
PROTECTION	OVERLOAD	110 ~ 150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed					
	OVER VOLTAGE	5.75 ~ 6.75V	13.8 ~ 16.2V	17.25 ~ 20.25V	27.6 ~ 32.4V	41.4 ~ 48.6V	55.2 ~ 64.8V
		Protection type : Shut down o/p voltage, re-power on to recover					
ENVIRONMENT	WORKING TEMP.	-25 ~ +70℃ (Refer to "Derating Curve")					
	WORKING HUMIDITY	20 ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-40 ~ +80℃, 10 ~ 95% RH					
	TEMP. COEFFICIENT	±0.03%/℃ (0 ~ 50℃)					
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes					
SAFETY & EMC	SAFETY STANDARDS	UL8750, CSA C22.2 No 250.13-12, UL879, CSA C22.2 No.207-M89, BIS IS15885(for LPV-100-12, LPV-100-24 only), EAC TP TC 004, IP67; IEC/EN 62368-1 approved.					
	WITHSTAND VOLTAGE	I/P-O/P: 3KVAC					
	ISOLATION RESISTANCE	I/P-O/P: >100M Ohms / 500VDC / 25℃ / 70% RH					
	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2 Class A(≤ 80% load), EN61000-3-3, EAC TP TC 020					
	EMC IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11; EN55024, light industry level, criteria A, EAC TP TC 020					
OTHERS	MTBF	703Khrs min. MIL-HDBK-217F (25℃)					
	DIMENSION	190*52*37mm (L*W*H)					
	PACKING	0.63Kg; 20pcs/13.6Kg/0.55CUFT					

Mechanical Specification

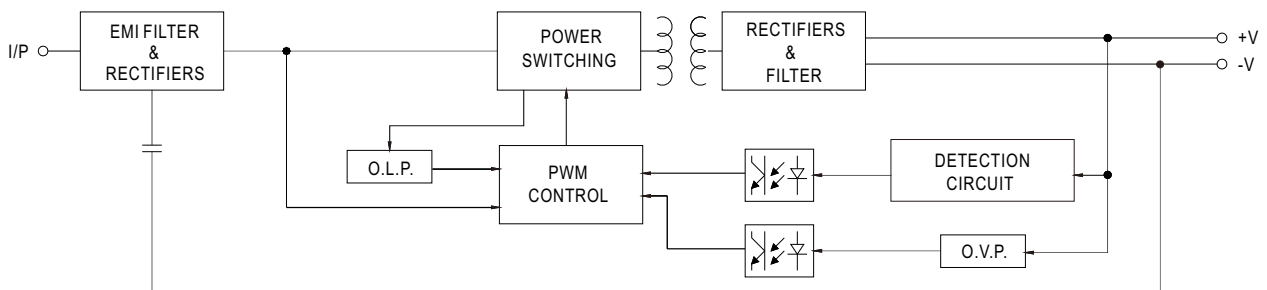
Case No. LPC-100A Unit:mm



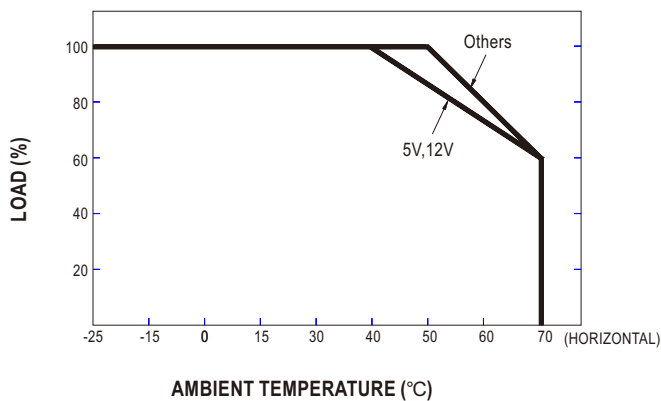
Recommend Mounting Direction



Block Diagram



Derating Curve



Static Characteristics

