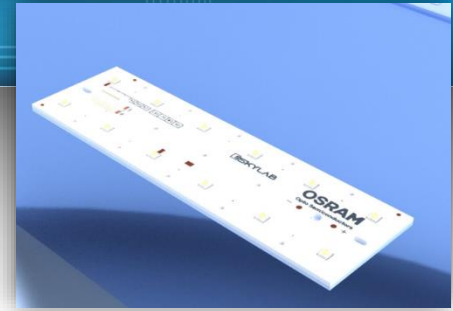


PCB 2X6 EVEREST



PCB 2 x 6 for Street Lighting Applications

Description

2x6 EVEREST is a PCB level II made especially for Street Lighting and High Bay lamps for outdoor and indoor luminaries. The module includes the best technology available in the market place with the best performance and price. The production in Mexico is key for projects in short notice. The local logistics decrease the services rate cost.

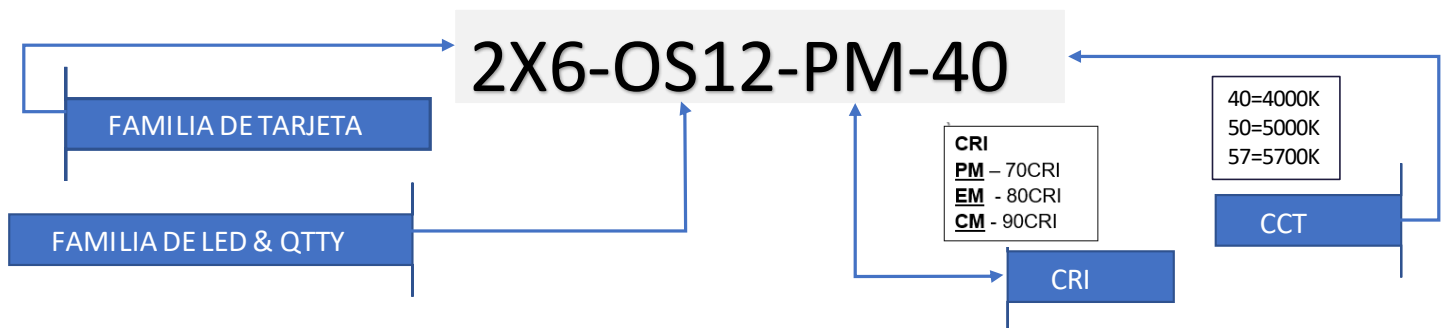
Features and Benefits

- Total Luminous Flux >3700 lm without losses *
- High module Nominal efficacy of up to 160LPW without losses *
- Design flexibility through two lumen packages
- Easy wiring with push-in connectors
- Standard and premium efficacy options
- Three CCT Options (4000K, 5000K and 5700K)
- Service life greater than 60,000 hours (L70); lifetime warranty depends on the SKYLAB testing to system level
- Easy to Install
- Compatible with dimming system
- Minimize maintenance due to long life
- Compatible with ASAHI and LEDIL lenses (sold separately)
- PCB and Components with UL certification by manufacturer.

Applications

- Road lighting
- Urban street lighting
- Flood and Area lighting
- Tunnel lighting
- High bay

*Typical current at 700mA



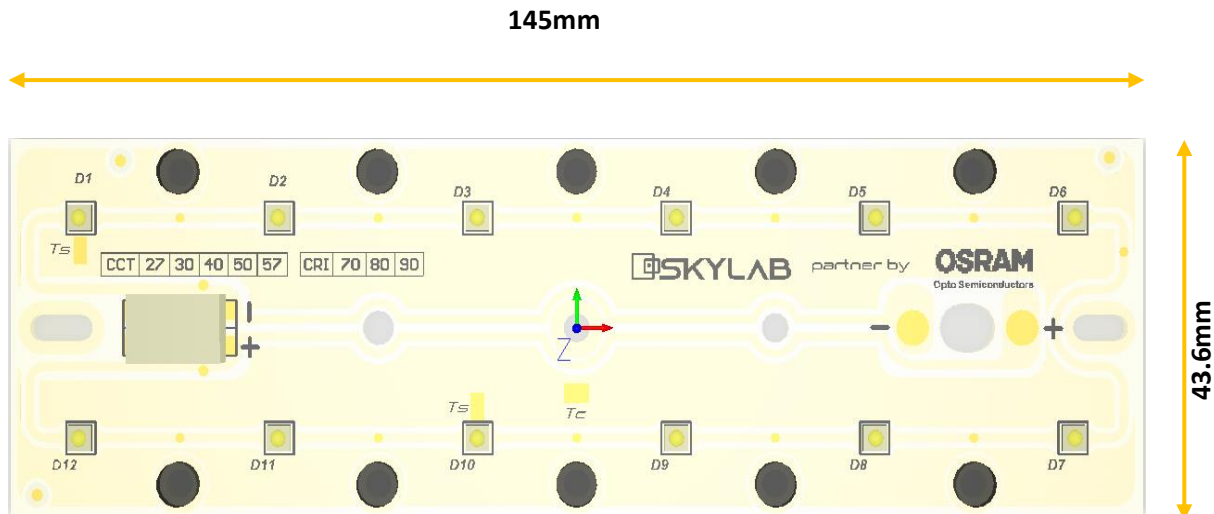
ORDERING INFORMATION

Item Number	CCT	CRI	Nom. (typ) Lumens (lm)	Nom (typ) LPW	Input Voltage (V)	Operating Current Nom (mA)	Nom WATAGE (W)	TEMPERATURE Tc (°C)	Dim inch (mm)	Box Qty
2X6-OS12-PM-40	4000K	70	1963	173	32.4	350	11.34	55°C	5,71" x 1,72" (145*43,6)	20
2X6-OS12-PM-50	5000K	70	2029	179	32.4	350	11.34	55°C	5,71" x 1,72" (145*43,6)	20
2X6-OS12-PM-57	5700K	70	2096	185	32.4	350	11.34	55°C	5,71" x 1,72" (145*43,6)	20
2X6-OS12-PM-40	4000K	70	3776	161	33.6	700	23.52	55°C	5,71" x 1,72" (145*43,6)	20
2X6-OS12-PM-50	5000K	70	3900	166	33.6	700	23.52	55°C	5,71" x 1,72" (145*43,6)	20
2X6-OS12-PM-57	5700K	70	4024	171	33.6	700	23.52	55°C	5,71" x 1,72" (145*43,6)	20
2X6-OS12-PM-40	4000K	70	5366	149	34.2	1050	35.91	55°C	5,71" x 1,72" (145*43,6)	20
2X6-OS12-PM-50	5000K	70	5542	154	34.2	1050	35.91	55°C	5,71" x 1,72" (145*43,6)	20
2X6-OS12-PM-57	5700K	70	5718	159	34.2	1050	35.91	55°C	5,71" x 1,72" (145*43,6)	20

NOTES:

- OSRAM LED GW CSSRM3 with 1.8A max
- Heatsink is required in order to decrease the Tc and reach these values, the lower the Tc the closer to the above values
- Even though LED drivers can go up to 1.6 A and that would be within LED spec (1.8 A max). It is critical to consider the Max Tj that would be at the LED at that current >75°C which will definitely affect performance
- All data is related to the entire module. Data reflects statistical mean values. Actual data may differ depending on variances in the manufacturing process
- Performance values were taken at steady state. Instant-on measurements may be higher.
- Recommended for outdoor and Indoor use.
- This calculation was made with a central Brightness BIN.
- Tolerance for flux data is ±7%, LPW ±10%
- Max ΔT (Tambient - Tcase) = or <50°C. (For higher performance)

Mechanical dimensions



Minimum and Maximum Ratings

Parameter	Values
Operating Temperature at Tc point	-20°C to 85°C
Storage Temperature Range	-40°C to 100°C

NOTES:

1. Exceeding maximum ratings may damage the LED light engine and cause potential safety hazards.
2. Elevated operating temperatures can be expected to negatively impact the service life in terms of lumen output.
3. Incorrect wiring may damage the LED light engine.

Wiring Diagram

