



PCB 2 x 8 for Street Lighting Applications

Description

2x8 ACONCAGUA 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.

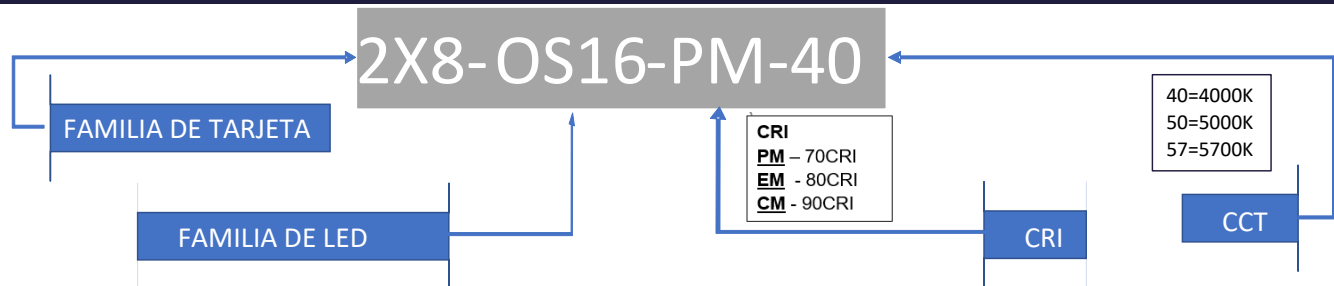
Features and Benefits

- Total Luminous Flux >5000 lm without losses *
- High module Nominal efficacy of up to 163LPW 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 optics (sold separately).
- PCB and components with UL certification by manufacturer.

Applications

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

PART NUMBER NOMENCLATURE



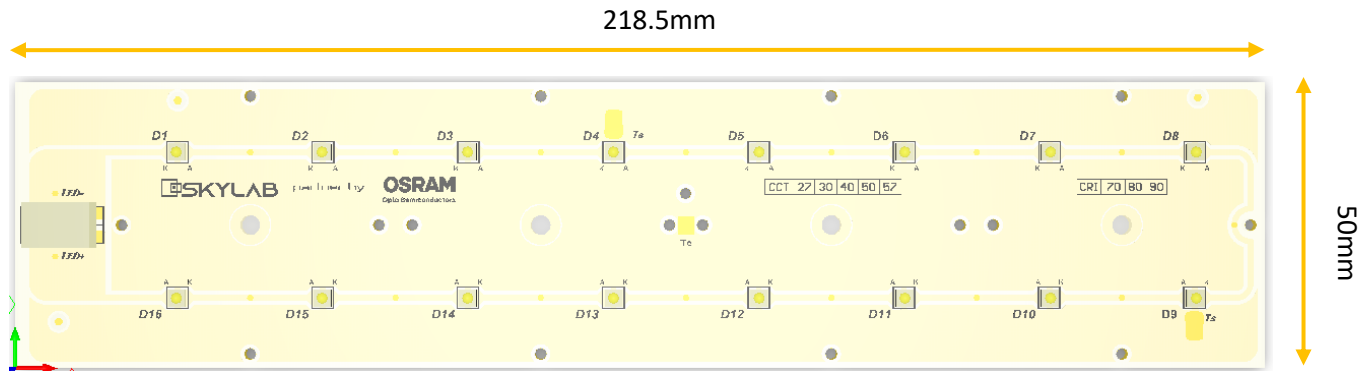
ORDERING INFORMATION

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
2X8-OS16-PM-40	4000K	70	2720	180	43.2	350	15.12	55°C	8.58" x 2" (218*50)	20
2X8-OS16-PM-50	5000K	70	2752	182	43.2	350	15.12	55°C	8.58" x 2" (218*50)	20
2X8-OS16-PM-57	5700K	70	2784	184	43.2	350	15.12	55°C	8.58" x 2" (218*50)	20
2X8-OS16-PM-40	4000K	70	5120	163	44.8	700	31.36	55°C	8.58" x 2" (218*50)	20
2X8-OS16-PM-50	5000K	70	5184	165	44.8	700	31.36	55°C	8.58" x 2" (218*50)	20
2X8-OS16-PM-57	5700K	70	5248	167	44.8	700 <td 31.36	55°C	8.58" x 2" (218*50)	20	
2X8-OS16-PM-40	4000K	70	6918	142	46.4	1050	48.72	55°C	8.58" x 2" (218*50)	20
2X8-OS16-PM-50	5000K	70	7016	144	46.4	1050	48.72	55°C	8.58" x 2" (218*50)	20
2X8-OS16-PM-57	5700K	70	7113	146	46.4	1050	48.72	55°C	8.58" x 2" (218*50)	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

