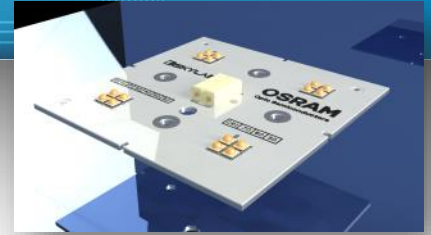


## PCB K2 2X2



## PCB 2 x 2 for Street Lighting Applications

### Description

K2 2x2 is a PCB level II made especially for Street Lighting and High Bay lamps for outdoor and indoor luminaires. 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

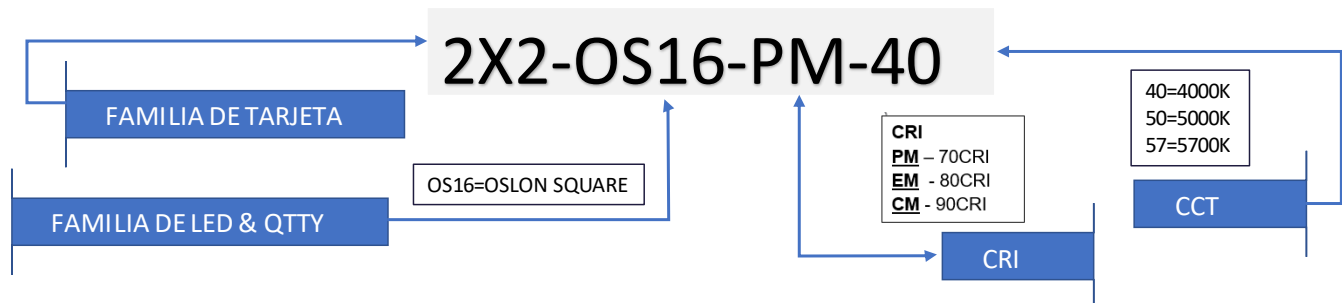
- Total Luminous Flux >5000 lm without losses\*
- High module Nominal efficacy of up to 163LPW\*
- Design flexibility through two lumen packages
- Easy wiring with push-in connectors
- Standard and premium efficacy options
- Three CCT Options (4000K, 5000K and 5700K)
- Service life greater than 60,000 hours (L70); lifetime warranty depends on the SKYLAB testing to system level
- Easy to Install
- Compatible with dimming systems
- Minimize maintenance due to long life
- Compatible with ASAHI and LEDIL lenses (sold separately)
- PCB UL certified by manufacturer.

### Applications

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

\*Typical current at 700mA

### PART NUMBER NOMENCLATURE



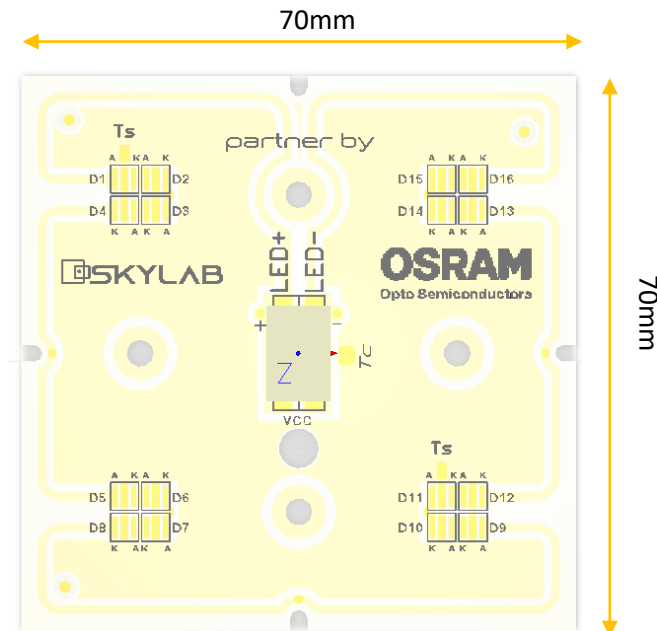
## ORDERING INFORMATION

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
2X2-OS16-PM-40	4000K	70	2614	173	43.2	350	15.12	55°C	2,76" x 2,76" (70*70)	20
2X2-OS16-PM-50	5000K	70	2700	179	43.2	350	15.12	55°C	2,76" x 2,76" (70*70)	20
2X2-OS16-PM-57	5700K	70	2786	184	43.2	350	15.12	55°C	2,76" x 2,76" (70*70)	20
2X2-OS16-PM-40	4000K	70	4927	157	44.8	700	31.36	55°C	2,76" x 2,76" (70*70)	20
2X2-OS16-PM-50	5000K	70	5089	162	44.8	700	31.36	55°C	2,76" x 2,76" (70*70)	20
2X2-OS16-PM-57	5700K	70	5250	167	44.8	700	31.36	55°C	2,76" x 2,76" (70*70)	20
2X2-OS16-PM-40	4000K	70	6707	138	46.4	1050	48.72	55°C	2,76" x 2,76" (70*70)	20
2X2-OS16-PM-50	5000K	70	6927	142	46.4	1050	48.72	55°C	2,76" x 2,76" (70*70)	20
2X2-OS16-PM-57	5700K	70	7147	147	46.4	1050	48.72	55°C	2,76" x 2,76" (70*70)	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

