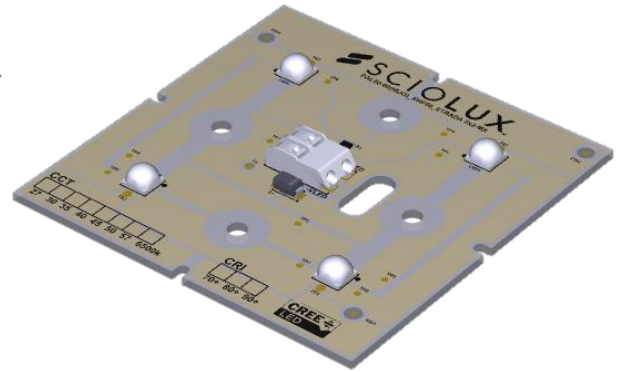


SCIOLUX

PAL-LX Family



PAL-LX module based on the technology of the CREE LEDs, XHP family, give us exceptional efficiency, breaking the barriers between medium and high-power technology.

This product is compatible with [STRADA 2X2 MX](#) and [HB 2X2 MX](#) secondary optics (sold separately); Secondary optics offers different distribution patterns, which will give us additional benefits to be able to develop different applications more efficiently, with excellent reliability and precision.



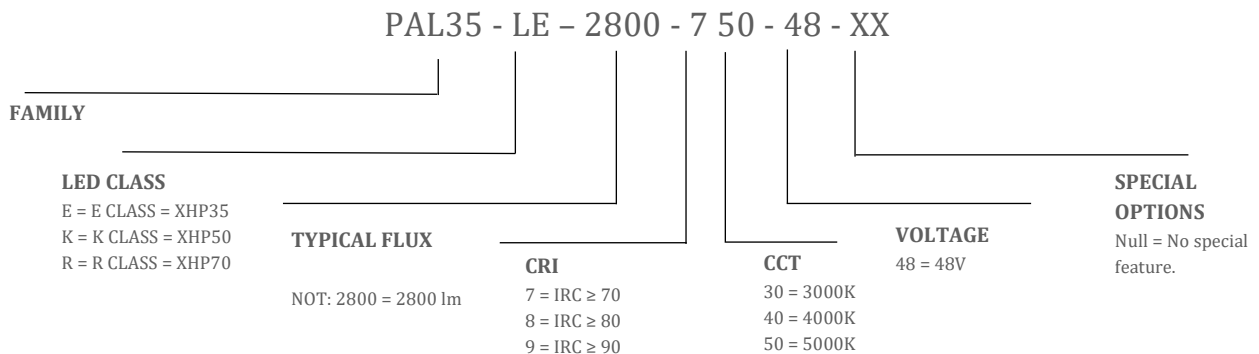
FEATURES

- Square module 7cm x 7cm (2.7559in x 2.7559in).
- PCB Aluminum 2wmk.
- Compact system compatible with different secondary optics of the LEDIL.
- Connectors compatible with 24 to 18AWG cables.
- Cable stripping length from .7cm to .9cm
- High projections of L90 and L70 service life, even in situations of thermal stress.

APPLICATIONS

- Streetlight
- High Bay Luminaire
- Sports luminaire
- Reflector

ORDER CODE



ELECTRICAL SPECIFICATIONS

Family	I _f Nom. (mA)	I _f Max. (mA)	V _f Nom. (V)	T _c Max. (°C)
PAL35-LE	350	1500	44.8	85
PAL50-LK	700	1500	44.8	85
PAL70-LR	1050	3600	44.8	85

PRODUCT SELECTION TABLE

PAL35 LE (XHP35.2)— Nominal conditions (T_{sp} = 25°C), Maximum conditions (T_{sp} = 85°C), CRI 70

ORDER CODE	CCT	CRI	48V@350mA				48V@1500mA	
			Min. Flux (lm)	Nom. Flux (lm)	Nom. Efficacy (LPW)	Nom. Power (W)	Max. Flux (lm)	Max. Power (W)
PAL35-LE-2800-750-48	5000K	70	2,526	2,831	176	16.1	7,570	78
PAL35-LE-2800-740-48	4000K	70	2,526	2,831	176	16.1	7,570	78
PAL35-LE-2600-730-48	3000K	70	2,347	2,631	164	16.1	7,033	78

PAL50 LK (XHP50.3) — Nominal conditions (T_{sp} = 25°C), Maximum conditions (T_{sp} = 85°C), CRI 70

ORDER CODE	CCT	CRI	48V@700mA				48V@1500mA	
			Min. Flux (lm)	Nom. Flux (lm)	Nom. Efficacy (LPW)	Nom. Power (W)	Max. Flux (lm)	Max. Power (W)
PAL50-LK-5350-750-48	5000K	70	4,769	5,375	167	32.3	8,634	70.9
PAL50-LK-5350-740-48	4000K	70	4,769	5,375	167	32.3	8,634	70.9
PAL50-LK-5000-730-48	3000K	70	4,451	5,016	156	32.3	8,058	70.9

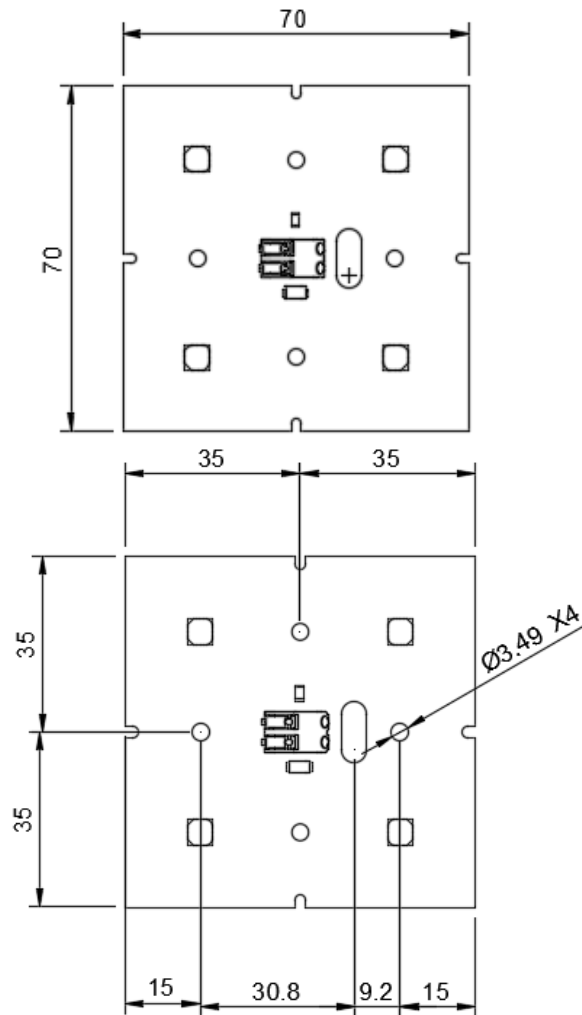
PAL70 LR (XHP70.3) — Nominal conditions (T_{sp} = 25°C), Maximum conditions (T_{sp} = 85°C), CRI 70

ORDER CODE	CCT	CRI	48V@1050mA				48V@3600mA	
			Min. Flux (lm)	Nom. Flux (lm)	Nom. Efficacy (LPW)	Nom. Power (W)	Max. Flux (lm)	Max. Power (W)
PAL70-LR-8750-750-48	5000K	70	7,822	8,772	182	48.2	20,259	178
PAL70-LR-8750-740-48	4000K	70	7,822	8,772	182	48.2	20,259	178
PAL70-LR-8150-730-48	3000K	70	7,285	8,170	169	48.2	18,867	178

Notes:

- Flux and power conditions shown for reference.
- Available in existing color temperatures.

MECHANICAL DIMENSIONS (mm)



Notes:

- Measurements represented in millimeters.
- You can request the mechanical file to the following email: ingenieria@idc-componentes.com or to your sales executive.

ACCEPTABLE TERMS OF USE

- These products are electronic components designed to be used exclusively in complete end products. They must not be used as autonomous elements or for purposes other than those previously mentioned.
- The installation of this product in the final product is subject to any additional requirements that may be applicable in accordance with the rules and regulations governing the final product. These requirements shall be verified during the evaluation of the final product and shall be met to ensure the safety and functionality of the final product.
- These components must be installed in the final product according to the requirements of enclosure, accessibility, wiring, segregation, assembly, and space indicated in the specifications of the final product. The suitability of the facility will be determined during the certification assessment of the final product.
- When these components are installed in a final product that is designed for use in wet or wet places, the applicable requirements and tests (e.g. rain test, moisture test, etc.) must be met in accordance with the rules and regulations governing the final product. These tests should be performed after the components have been installed in the final product. The suitability of the components will be determined during the certification evaluation of the final product.
- The use of these products implies acceptance of the terms and conditions established by the manufacturer. Failure to comply with these terms and conditions may invalidate the product warranty and exempt the manufacturer from any liability for damages.
- Products must be stored in a suitable place, free of moisture, dust, direct sunlight and corrosive chemicals. Improper storage can affect the performance and shelf life of products.