



CH IPLITE CL-XOL MODULE FOR LETTERS AND LIGHTBOXES FROM 50 MM DEPTH

The CL-XOL module is fitted with two SMD LEDs including optical lenses and an IP65 rated housing. At only 57mm x 15.6mm in size and available in chains of 100, it can be used from a depth of 50mm. This module generates a luminous flux of 58 lumens using 0.48 watts of power (120 lumens per watt) making it suitable for use in lettering and light boxes of practically any size.

TECHNICAL FEATURES

- TWO SMD LEDs WITH OPTICAL LENSES AND AN IP65 RATED HOUSING
- LED CHIPS ARE CONSTANT CURRENT REGULATED
- SUPPLIED CHAIN LENGTH: 100 MODULES
- DIMENSIONS: 57MM X 15.6MM
- OPERATING VOLTAGE: 12 VOLTS
- POWER CONSUMPTION: 0.48 WATTS PER MODULE
- LUMENS PER MODULE: 58
- EFFICIENCY: 120 LUMENS PER WATT
- BEAM ANGLE: 160 DEGREES
- CE IN ACCORDANCE WITH EN 55015

SAFETY AND ASSEMBLY INFORMATION

- The components on the circuit board should not be subjected to mechanical stress
- The conductors should not be damaged or interrupted
- Only power supplies approved by Chiplite may be used to operate our modules
- Avoid electrostatic charges and discharges

ELECTRICAL AND OPTICAL OPERATING DATA

COLOUR	CURRENT (MA)	INPUT (WATTS)	VOLTAGE (DC)	LUMINOUS FLUX (LUMENS)	LUMENS PER WATT (LM/W)	COLOUR TEMPERATURE (KELVIN)
White 7.5	40	0,48	12	58	120	7.500 K
Warmwhite 3.5	40	0,48	12	38	80	3.500 K
Red	40	0,48	12	9	18	620 nm
Green	40	0,48	12	22	46	520 nm
Blue	40	0,48	12	8	16	465 nm
Yellow	40	0,48	12	9	18	590 nm

LIMIT VALUES

TYPE	VOLTAGE (DC)		OPERATING TEMPERATURE °C		STORAGE TEMPERATURE °C	
	V MIN.	V MAX.	°C MIN.	°C MAX.	°C MIN.	°C MAX.
All Types	11	13	-20	70	-40	85

Exceeding the limit values can result in a significant shortening of the service life or destruction of the module.