



## CH IPLITE CL-XMO-MODULE FOR MINI LETTERS FROM DEPTH OF 30 MM

The CL-XMO module replaced the highly successful CL-XM module and is fitted with two SMD LEDs including optical lenses and an IP65 rated housing. At only 26.8mm x 8.5mm in size and available in chains of 50, it can be used from a depth of 30mm. This module generates a luminous flux of 34 lumens using 0.30 watts of power (113 lumens per watt) making it the perfect choice for small letters.

### TECHNICAL FEATURES

- TWO SMD LEDs WITH OPTICAL LENSES AND AN IP65 RATED HOUSING
- LED CHIPS ARE CONSTANT CURRENT REGULATED
- SUPPLIED CHAIN LENGTH: 50 MODULES
- DIMENSIONS: 26.8MM X 8.5MM
- OPERATING VOLTAGE: 12 VOLTS
- POWER CONSUMPTION: 0.30 WATTS PER MODULE
- LUMENS PER MODULE: 34 (WHITE)
- EFFICIENCY: 113 LUMENS PER WATT (WHITE)
- 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	25	0,3	12	34	113	7.500 K
Warmwhite 3.5	25	0,3	12	14	46,7	3.500 K
Red	25	0,3	12	5	16	620 nm
Green	25	0,3	12	8	26,7	520 nm
Blue	25	0,3	12	2,4	8	465 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.