

CHIPLITE

XSERIES 4.0



chiplite[®]

GENERATION 4.0

HIGHER EFFICIENCY - MORE LUMEN
LESS POWER CONSUMPTION



The new Chiplite Generation 4.0 modules from the X-Series come with a higher efficiency. That means that we have increased the lumens per Watt for some modules to 120 lm/W. Also we have added some new lenses to the modules, which will give you a bigger grid than before. So the advantage for you: Higher brightness with less power consumption and also less modules on a square metre.

We have a 5 year warranty to our modules from the X-Series.

■ FOR CHANNEL LETTER ILLUMINATION

CL-XOL

THE CHIPLITE CL-XOL MODULE



STANDARD MODULE FROM
50 MM DEPTH

The XOL module is the best choice to illuminate letters from a depth of 50 mm. With the new lumen package of 58 lm at 0,48 Watt power consumption (120 lm/W) and the 100 modules per chain it will give you a perfect illumination.



57x15.6 58 0.48 100 100 1 50

CL-XO

THE CHIPLITE CL-XO MODULE



FOR LETTERS AND BOXES
FROM **30 MM DEPTH**

For letters with a low depth from 30 mm the XO module with the wide angle lense and 58 lumens at 0,48 Watt (120 lm/W) is the perfect choice. It will be delivered in chains of 100 modules.



50x10 58 0.48 100 100 1 30

CL-XMO

THE CHIPLITE CL-XMO MODULE



FOR MINI LETTERS FROM
A DEPTH OF **30 MM**

The XMO replaced the successful XM module. It has now a better efficiency and will have lenses to get a more even and better illumination. The module will have 34 lumen at 0,3 Watt (113lm/W) and come in chains of 50 modules. It will be the right choice for Mini letters and serifes.



26x8.5 34 0,3 50 50 1 30



SIZE
IN MM



LUMINOUS
FLUX
LUMENS



EN POWER
CONSUMPTION
WATT



NUMBER OF
MODULES
PER CHAIN



MAX.
MODULES
IN SERIES



CUTTABLE



MINIMUM
DEPTH

CL-XOM

THE CHIPLITE CL-XOM MODULE



FOR **SMALL LETTERS** AND
FULL ACRYLIC LETTERS

The small XOM module with the measurements 15,3 x 10,3 mm is the ideal module for small letters or 33 mm deep full acrylic letters. It is fitted with one 2835 LED with optic and comes in chains of 50 modules. The module provides 32 lumens with 0,24 Watt power (133 lm/W).



15.3x10.3 32 0.24 50 50 1 30

FOR LIGHTBOXES OR BIG CHANNEL LETTER ILLUMINATION

CL-XOH2

THE CHIPLITE CL-XOH2 MODULE



FOR BOXES FROM
100 MM DEPTH

The XOH2 module now has new lenses and brighter LEDs with 120 lumen at 0,96 Watt (125 lm/W). Due to that we are able to illuminate lightboxes now from a depth of 100 mm. At 100 mm depth you can use a grid of 150 x 150 mm and at 120 mm a grid of 180 x 180 mm. The module comes in chains of 60 pcs.



51.5x21.5 120 0.96 60 60 1 100

CL-XOH4

THE CHIPLITE CL-XOH4 MODULE



FOR BOXES FROM
180 MM DEPTH

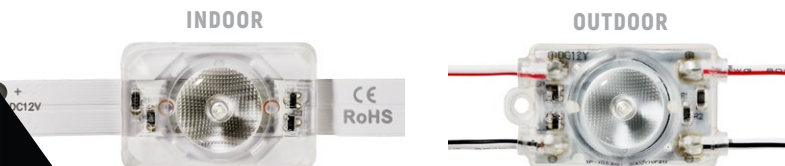
The enhanced XOH4 module has been developed for the illumination of lightboxes and flexfaceboxes from a depth of 180mm. The 2,7 Watt module with 280 lumens (104 lm/W) can be used in a grid of 350 x 350 mm, so only 9 modules on a square metre. It will be delivered in chains of 25 modules.



46.5x46.5 280 2.7 25 25 1 180

CL-FLEX-O

THE CHIPLITE CL-FLEX-O MODULE



FOR BOXES FROM
40 MM DEPTH

This module with a special optical lense of 170° degrees, makes it possible to have a shadow free illumination of lightboxes from 40 mm depth. The distance from module to module on the circuit board is fixed at 80mm, so it is very easy to install the modules with double sided tape in the lightbox.



35x23 69 0.72 60 60 1 40

FOR EDGELIGHT ILLUMINATED DOUBLE SIDED OR SINGLE SIDED LIGHTBOXES

CL-EL1 THE CHIPLITE CL-EL1 MODULE



LIGHTING FOR THE EDGES OF
SINGLE- AND DOUBLE-SIDED BOXES

The standard module for edge lighting is the EL1. Due to its size of 43 x 36 mm it can be used also in doublesided circular projecting signs. The new higher lumen output of 150 lumens at 1,5 watt (100 lm/W) now gives a brighter illumination. The EL1 can be used in lightboxes from a depth of 80mm and will be supplied in chains of 30 modules.



43x36 150 1.5 30 30 1 80

CL-EL2 THE CHIPLITE CL-EL2 MODULE



LIGHTING FOR THE EDGES OF
**SINGLE- AND DOUBLE-SIDED
BOXES OVER 1,8M**

The EL2 is the right module if the brightness of the CL-EL1 is not enough. The module with 250 lumens at 2,8 Watt (89 lm/W) will be delivered in a chain of 20 modules. The CL-EL2 can illuminate single and doublesided lightboxes up to 2,5 x 2,5m.



63x34 250 2.8 20 20 1 80

CL-EL3 THE CHIPLITE CL-EL3 MODULE



EFFECTIVELY ILLUMINATES THE EDGES
OF **SINGLE- AND DOUBLE-SIDED LIGHT
BOXES FROM 60 MM DEPTH**

The CL-EL3 module measures 100 x 26 mm and is fitted with three LEDs as well as a specially designed elliptical optic, making it a good solution for illuminating edges of 60 mm in depth. The module provides 240 lumens of luminous flux with 2.8 watts of power (86 lm/W) and is wired to form a 20-piece chain.



100x26 240 2.8 20 20 1 60

CL-EL4 THE CHIPLITE CL-EL4 MODULE



ILLUMINATION FOR THE EDGES OF
**LARGE SINGLE- AND DOUBLE-SIDED
LIGHT BOXES**

For the edge illumination of large single and doublesided lightboxes the CL-EL4 with 400 lumens at 4,5 Watt (89 lm/W) will be the right module. This module can illuminate lightboxes up to 3 x 3 metres. It is wired to form a 15-piece chain and has to be installed in groups of three modules.



68x34 400 4.5 15 15 3 120

TECHNICAL FEATURES

Colour	Current mA	Input in watts	Voltage DC	Luminous flux in lumens	Lumens per watt (lm/ W)	Dom. wavelength (nanometer) Colour temperature in kelvin
THE CHIPLITE CL-XOL MODULE						
White 7,5	40	0,48	12	58	120	7,500 K
Warm white 3,5	40	0,48	12	50	104	3,500 K
Red	40	0,48	12	12	25	620 nm
Green	40	0,48	12	28	58	520 nm
Blue	40	0,48	12	6	12,5	465 nm
Yellow	40	0,48	12	10	21	590 nm
THE CHIPLITE CL-XO MODULE						
White 7,0	40	0,48	12	58	120	7,000 K
Warm white 3,5	40	0,48	12	55	114	3,500 K
White 4,5	40	0,48	12	55	114	4,500 K
White 5,5	40	0,48	12	55	114	5,500 K
Red	40	0,48	12	12	25	620 nm
Green	40	0,48	12	36	75	520 nm
Blue	40	0,48	12	7	14,5	465 nm
THE CHIPLITE CL-XMO MODULE						
White 7,5	25	0,3	12	34	113	7,500 K
THE CHIPLITE CL-XOM MODULE						
White 7,0	25	0,24	12	32	133	7,000 K
THE CHIPLITE CL-XOH2 MODULE						
White 7,0	80	0,96	12	120	125	7,000 K
THE CHIPLITE CL-XOH4 MODULE						
White 7,0	250	2,7	12	280	104	7,000 K
THE CHIPLITE CL-FLEX-O MODULE (INDOOR/OUTDOOR)						
White 7,0	80	0,72	12	69	95	7,000 K
THE CHIPLITE CL-EL1 MODULE						
White 7,0	125	1,5	12	150	100	7,000 K
THE CHIPLITE CL-EL2 MODULE						
White 7,0	233	2,8	12	250	89	7,000 K
THE CHIPLITE CL-EL3 MODULE						
White 7,0	233	2,8	12	240	86	7,000 K
THE CHIPLITE CL-EL4 MODULE						
White 7,0	375	4,5	12	400	89	7,000 K

ALL MODULES CAN BE MANUFACTURED IN SPECIAL COLOURS.

chiplite[®]

MAJERT GMBH & CO. KG

LANDSBERGER STR. 80
45219 ESSEN

T +49 (0) 2054 . 87 88 215
F +49 (0) 2054 . 87 88 245

info@chiplite.de

www.chiplite.de