

# LED-PRODUCTS

SOLUTION FOR  
ALMOST EVERY  
APPLICATION

FEBRUARY 2025

CHIPLETE X- SERIES MODULES

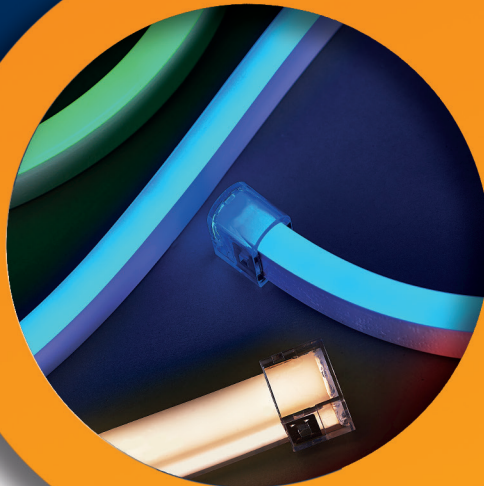
CHIPLETE NEON FLEX CURVED

CHIPLETE NEON FLEX FLAT

CHIPLETE NEON FLEX EASY

LED POWER CONVERTERS

**chiplite**®



## FROM A SMALL LIGHT IN THE DARKNESS TO A MULTI MILLION SELLER

Founded in 1982, Hermann Majert GmbH & Co. KG has been at the forefront of light-emitting diode (LED) technology since the early 1990s. The original Chiplite LED system was developed in 1999. Majert has resolutely continued developing the system and turned it into a global brand name. Over 45 million LED modules have been sold and supply contracts with numerous companies throughout the World are evidence of both the market success and the great reputation the Chiplite brand enjoys amongst the LED community.

## FOCUS ON PRECISION

All Chiplite modules carry the CE seal of quality and are RoHS-certified. Production is constantly monitored: the production plants, production sites and the raw materials used are all continuously examined. Furthermore, our modules are thoroughly inspected in a comprehensive testing process. During 1,000 hours of permanent use in a climatic chamber under extreme conditions and temperature fluctuations from  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ , they have to prove their ability to withstand extremes of both heat and cold.

## EVERYTHING ACCORDING TO PLAN

Do you need an LED system for some lettering or for another lighting project? All we need from you is a plan or a scale drawing of the structure to be illuminated with information regarding the profile, the depth and the colour of the acrylic face. Within a very short time – usually no longer than 24 hours – you will receive an offer for the corresponding quantity of the LED module type, adapted to suit the form. If you have any questions or problems we will be happy to help you by telephone or pay you a visit on request. Please feel free to contact our technical support department at: +49 (0)2054 87 88 – 215



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## CHIPLETE 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 ux of 58 lumens using 0.36 watts of power (160 lm/W)) making it suitable for use in lettering and light boxes of practically any size.

### TECHNICAL FEATURE

- TWO SMD LEDs WITH OPTICAL LENSES AND AN IP65 RATED HOUSING
- LED CHIPS ARE CONSTANT CURRENT REGULATED
- SUPPLIED CHAIN LENGTH: 100 MODULES (MAX. PER POWERLINE)
- DIMENSIONS: 57 MM X 15.6 MM

- OPERATING VOLTAGE: 12 VOLTS
- POWER CONSUMPTION: 0,36/0.48 WATTS PER MODULE
- BEAM ANGLE: 160 DEGREES
- IP65 RATED
- CE IN ACCORDANCE WITH EN 55015

### ELECTRICAL AND OPTICAL OPERATING DATA

Colour	Current mA	Input in Watt	Voltage DC	Luminous Flux Lumens	Lumens per Watt lm/W	Colour- temperature Kelvin
White 4.5	40	0,48	12	49	102	4.500 K
White 5.5	40	0,48	12	50	104	7.500 K
White 6.5	40	0,36	12	58	160	6.500 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

## CHIPLETE CL-XOL-24 MODULE FOR LETTERS AND LIGHTBOXES FROM 50 MM DEPTH



V1



V2

The CL-XOL-24 module is fitted with two SMD LEDs including optical lenses and an IP65 rated housing. At only 57mm x 17mm in size and available in chains of 100, it can be used from a depth of 50mm. This module generates a luminous ux of 60 lumens using only 0.36 watts of power (165 lumens per watt) making it suitable for use in lettering and light boxes of practically any size.

### TECHNICAL FEATURE

- TWO SMD LEDs WITH OPTICAL LENSES AND AN IP65 RATED HOUSING
- LED CHIPS ARE CONSTANT CURRENT REGULATED
- SUPPLIED CHAIN LENGTH: 100 MODULES (MAX. PER POWERLINE)
- DIMENSIONS: 57 MM x 17 MM V1

- DIMENSIONS: 56,5 MM x 15 MM V2
- OPERATING VOLTAGE: 24 VOLTS
- POWER CONSUMPTION: 0,36 WATTS PER MODULE
- BEAM ANGLE: 160 DEGREES
- IP65 RATED
- CE IN ACCORDANCE WITH EN 55015

### ELECTRICAL AND OPTICAL OPERATING DATA

Colour	Current mA	Input in Watt	Voltage DC	Luminous Flux Lumens	Lumens per Watt lm/W	Colour- temperature Kelvin
White 3.5 V1	15	0,36	24	55	152	3.500 K
White 5.0 V1	15	0,36	24	58	161	5.000 K
White 7.5 V1+V2	15	0,36	24	60	165	7.500 K

# CH IPLITE CL-XO MODULE

## FOR LETTERS AND LIGHTBOXES FROM 30 MM DEPTH

The CL-XO module is fitted with two SMD LEDs including optical lenses and an IP65 rated housing. At only 50mm x 14.6mm in size and available in chains of 100, it can be used from a depth of 30mm. This module generates a luminous ux of 58 lumens using 0.48 watts of power (120 lumens per watt) making it the perfect choice for shallow letters.



### TECHNICAL FEATURE

- TWO SMD LEDs WITH OPTICAL LENSES AND AN IP65 RATED HOUSING
- LED CHIPS ARE CONSTANT CURRENT REGULATED
- SUPPLIED CHAIN LENGTH: 100 MODULES (MAX. PER POWERLINE)
- DIMENSIONS: 50 MM X 14.8 MM
- OPERATING VOLTAGE: 12 VOLTS
- POWER CONSUMPTION: 0.48 WATTS PER MODULE
- BEAM ANGLE: 160 DEGREES
- IP65 RATED
- CE IN ACCORDANCE WITH EN 55015

### ELECTRICAL AND OPTICAL OPERATING DATA

Colour	Current mA	Input in Watt	Voltage DC	Luminous Flux Lumens	Lumens per Watt lm/W	Colour-temperature Kelvin
White 4.5	40	0,48	12	55	114	4.500 K
White 5.5	40	0,48	12	55	114	5.500 K
White 7.0	40	0,48	12	58	120	7.000 K
Warmwhite 3.5	40	0,48	12	55	114	3.500 K
Red	40	0,48	12	12	25	620 nm
Green	40	0,48	12	24	50	520 nm
Blue	40	0,48	12	7	14,6	465 nm

# CH IPLITE CL-XMO MODUL

## FÜR MINI-BUCHSTABEN UND SERIFEN AB 30 MM BAUTIEFE

In Ecken und Winkeln, für die andere Module zu groß sind, hat das kleine CL-XMO Modul immer noch Platz: Es hat jetzt eine verbesserte Effizienz und Optiken für eine bessere und gleichmäßigere Ausleuchtung. Das Modul hat 34 Lumen bei 0,3 Watt (113 lm/W) und wird zu 50er-Ketten verdrahtet.



### TECHNICAL FEATURE

- TWO SMD LEDs WITH OPTICAL LENSES AND AN IP65 RATED HOUSING
- LED CHIPS ARE CONSTANT CURRENT REGULATED
- SUPPLIED CHAIN LENGTH: 50 MODULES (MAX. PER POWERLINE)
- DIMENSIONS: 26 MM X 8.5 MM
- OPERATING VOLTAGE: 12 VOLTS
- POWER CONSUMPTION: 0.3 WATTS PER MODULE
- BEAM ANGLE: 160 DEGREES
- IP65 RATED
- CE IN ACCORDANCE WITH EN 55015

### ELECTRICAL AND OPTICAL OPERATING DATA

Colour	Current mA	Input in Watt	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

## CH IPLITE CL-FA2 MODULE FOR SMALL LETTERS AND FULL ACRYLIC LETTERS



The small FA2 module with dimensions of 13.3 x 6.4 mm is the ideal module for small letters or 33 mm deep solid acrylic letters. The module is equipped with an LED with optics and is supplied as a chain of 50. The module has 33 lumens at 0.20 watts (165 lm/W).

### TECHNICAL FEATURE

- ONE SMD LEDS WITH OPTICAL LENSES AND AN IP65 RATED HOUSING
- LED CHIPS ARE CONSTANT CURRENT REGULATED
- SUPPLIED CHAIN LENGTH: 50 MODULES (MAX. PER POWERLINE)
- DIMENSIONS: 13.3 MM X 6.4 MM

- OPERATING VOLTAGE: 12 VOLTS
- POWER CONSUMPTION: 0.20 WATTS PER MODULE
- BEAM ANGLE: 160 DEGREES
- IP65 RATED
- CE IN ACCORDANCE WITH EN 55015

### ELECTRICAL AND OPTICAL OPERATING DATA

Colour	Current mA	Input in Watt	Voltage DC	Luminous Flux Lumens	Lumens per Watt lm/W	Colour- temperature Kelvin
White 7.0	25	0,20	12	33	165	7.500 K
Warmwhite 3.5	25	0,20	12	30	150	3.500 K

## CH IPLITE CL-XOH2 MODULE FOR LETTERS AND LIGHTBOXES FROM 100 MM DEPTH



V1



V2

The XOH2 module is available in two performance classes. One is 120 lumens at 0.96 watts (125 lm/W) and the other is 100 lumens at 0.8 watts (125 lm/W). Light boxes with a depth of 100 mm can be illuminated with just a few XOH2 modules. The grid for a depth of 100 mm is 150 x 150 mm and for a depth of 120 mm it is 180 x 180 mm. The module is supplied as a chain of 60 (0,96W)/70 (0,8W).

### TECHNICAL FEATURE

- TWO SMD LEDS WITH OPTICAL LENSES AND AN IP65 RATED HOUSING
- LED CHIPS ARE CONSTANT CURRENT REGULATED
- SUPPLIED CHAIN LENGTH: 60/70 MODULES (MAX. PER POWERLINE)
- DIMENSIONS: 51.5 MM X 21.5 MM (V1)

- DIMENSIONS: 50.0 MM X 16.0 MM (V2)
- OPERATING VOLTAGE: 12 VOLTS
- POWER CONSUMPTION: 0.96 WATTS PER MODULE
- BEAM ANGLE: 160 DEGREES
- IP65 RATED
- CE IN ACCORDANCE WITH EN 55015

### ELECTRICAL AND OPTICAL OPERATING DATA

Colour	Current mA	Input in Watt	Voltage DC	Luminous Flux Lumens	Lumens per Watt lm/W	Colour- temperature Kelvin
White 7.0 V1+V2	80	0,96	12	120	125	7.000 K
White 5.0 V2 0,8	67	0,80	12	99	125	5.000 K
White 7.0 V2 0,8	67	0,80	12	100	125	7.000 K



The XOH2 24 volt module is ideal for illuminating light boxes with a depth of 100 mm or more. The module has a power consumption of 0.72 watts and a luminous flux of 108 lumens (150 lumens per watt). The module is supplied as a chain of 80.

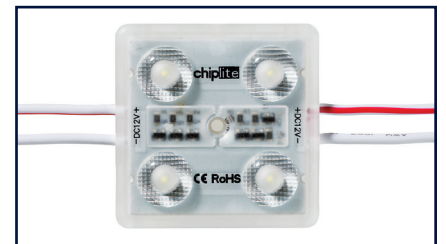


- TWO SMD LEDs WITH OPTICAL LENSES AND AN IP65 RATED HOUSING
- LED CHIPS ARE CONSTANT CURRENT REGULATED
- SUPPLIED CHAIN LENGTH: 80 MODULES (MAX. PER POWERLINE)
- DIMENSIONS: 51.5 MM X 21.5 MM (V1)

- DIMENSIONS: 50.0 MM X 16.0 MM (V2)
- OPERATING VOLTAGE: 24 VOLTS
- POWER CONSUMPTION: 0.72 WATTS PER MODULE
- BEAM ANGLE: 160 DEGREES
- IP65 RATED
- CE IN ACCORDANCE WITH EN 55015

Colour	Current mA	Input in Watt	Voltage DC	Luminous Flux Lumens	Lumens per Watt lm/W	Colour- temperature Kelvin
White 7.0 V1+V2	30	0,72	24	108	150	7.000 K

The CL-XOH4 module was developed specifically for the illumination of deep light boxes. Fitted with four SMD LEDs including optical lenses and an IP65 rated housing. This module generates a luminous ux of 280 lumens using 2.80 watts of power (100 lumens per watt). At 180mm deep a grid of 350 mm x 350 mm is possible i.e. only 9 modules per square metre.



- FOUR 3020 SMD LEDS WITH OPTICAL LENSES AND AN IP65 RATED HOUSING
- LED CHIPS ARE CONSTANT CURRENT REGULATED
- SUPPLIED CHAIN LENGTH: 25 MODULES (MAX. PER POWERLINE)
- DIMENSIONS: 46.5 MM X 46.5 MM

- OPERATING VOLTAGE: 12 VOLTS
- POWER CONSUMPTION: 2.8 WATTS PER MODULE
- BEAM ANGLE: 160 DEGREES
- IP65 RATED
- CE IN ACCORDANCE WITH EN 55015

Colour	Current mA	Input in Watt	Voltage DC	Luminous Flux Lumens	Lumens per Watt lm/W	Colour- temperature Kelvin
White 7.0	233	2,8	12	280	100	7.000 K

## TECHNICAL FEATURE

- OPERATING VOLTAGE: 24 VOLTS
- POWER CONSUMPTION: 2,3 WATTS PER MODULE
- BEAM ANGLE: 160 DEGREES
- IP65 RATED
- CE IN ACCORDANCE WITH EN 55015

## ELECTRICAL AND OPTICAL OPERATING DATA

Colour	Current mA	Input in Watt	Voltage DC	Luminous Flux Lumens	Lumens per Watt lm/W	Colour- temperature Kelvin
White 7.0	120	2,3	24	330	144	7.000 K



## OUTDOOR

## INDOOR

## TECHNICAL FEATURE

- POWER CONSUMPTION: 0.72 WATTS PER MODULE
- BEAM ANGLE: 170 DEGREES
- IP65 RATED
- CE IN ACCORDANCE WITH EN 55015

## ELECTRICAL AND OPTICAL OPERATING DATA

Colour	Current mA	Input in Watt	Voltage DC	Luminous Flux Lumens	Lumens per Watt lm/W	Colour- temperature Kelvin
White 7.0	60	0,72	12	69	95	7.000 K
White 5.0	60	0,72	12	67	95	5.000 K
(only Indoor)						CRI>95



## CHIPLETE CL-RGB MODUL FOR COLOURFUL ACCENTS

We use the CL-RGBW for letters and boxes where the colour should not be statically one color.  
The module can be used with a depth of 80 mm and above and is connected to a chain of 25.



### TECHNICAL FEATURE

- TWO RGB LEDS WITH OPTICAL LENSES AND AN IP65 RATED HOUSING
- SUPPLIED CHAIN LENGTH: 25 MODULES (MAX. PER POWERLINE)
- DIMENSIONS: 49 MM X 19 MM
- OPERATING VOLTAGE: 12 VOLTS

- POWER CONSUMPTION: 0,72 WATTS PER MODULE
- BEAM ANGLE: 160 DEGREES
- IP65 RATED
- CE IN ACCORDANCE WITH EN 55015

### ELECTRICAL AND OPTICAL OPERATING DATA

Colour	Current mA	Input in Watt	Voltage DC	Luminous Flux Lumens	Lumens per Watt lm/W	Colour- temperature Kelvin
RGB	60	0,72	12	R= 6 lm		
				G= 10 lm		
				B= 3 lm		

## CHIPLETE CL-RGBW MODUL FOR COLOURFUL ACCENTS

We use the CL-RGB for letters and boxes where pure white light is required in addition to the RGB colours.  
The module can be used with a depth of 80 mm and above and is connected to a chain of 25.



### TECHNICAL FEATURE

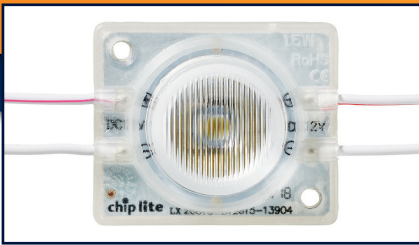
- THREE RGB LEDS WITH OPTICAL LENSES AND AN IP65 RATED HOUSING
- SUPPLIED CHAIN LENGTH: 25 MODULES (MAX. PER POWERLINE)
- DIMENSIONS: 78 MM X 18 MM
- OPERATING VOLTAGE: 12 VOLTS

- POWER CONSUMPTION: 1,02 WATTS PER MODULE
- BEAM ANGLE: 160 DEGREES
- IP65 RATED
- CE IN ACCORDANCE WITH EN 55015

### ELECTRICAL AND OPTICAL OPERATING DATA

Colour	Current mA	Input in Watt	Voltage DC	Luminous Flux Lumens	Lumens per Watt lm/W	Colour- temperature Kelvin
RGBW	85	1,02	12	R= 8 lm		
				G= 16 lm		
				B= 4 lm		
				W= 26 lm		

## CH IPLITE CL-EL1 MODULE FOR EDGE ILLUMINATION OF LIGHT BOXES FROM 80 MM DEPTH



The standard module for edge lighting has proven itself in many applications. Due to its compact dimensions (43 x 36 mm), the module can also be used in double-sided circular transparencies. The CL-EL1 is a soldered chain of 30. The module has a luminous flux of 150 lumens at 1.5 watts (100 lm/W). The module works with a construction depth of 80 mm or more.

### TECHNICAL FEATURE

- ONE SMD LEDS WITH OPTICAL LENSES AND AN IP65 RATED HOUSING
- LED CHIPS ARE CONSTANT CURRENT REGULATED
- ALUMINUM PCB BOARD
- SUPPLIED CHAIN LENGTH: 30 MODULES (MAX. PER POWERLINE)

- DIMENSIONS: 43 MM X 36 MM
- OPERATING VOLTAGE: 12 VOLTS
- POWER CONSUMPTION: 1.5 WATTS PER MODULE
- BEAM ANGLE: 56 x 12 DEGREES
- IP65 RATED
- CE IN ACCORDANCE WITH EN 55015

### ELECTRICAL AND OPTICAL OPERATING DATA

Colour	Current mA	Input in Watt	Voltage DC	Luminous Flux Lumens	Lumens per Watt lm/W	Colour- temperature Kelvin
White 3.5	125	1,5	12	145	96	3.500 K
White 4.0	125	1,5	12	145	96	4.000 K
White 7.0	125	1,5	12	150	100	7.000 K



## CH IPLITE CL-EL2 MODULE EDGE ILLUMINATION OF SINGLE AND DOUBLE SIDED LIGHT BOXES OVER 1.8 M

The EL2 is the right module if the luminosity of the EL1 is not sufficient. The module with 250 lumens at 2.5 watts (100 lm/W) is supplied in chains of 30. The CL-EL2 can illuminate single and double-sided light boxes up to 2.5 x 2.5 m without shadows.

### TECHNICAL FEATURE

- ONE SMD LEDS WITH OPTICAL LENSES AND AN IP65 RATED HOUSING
- LED CHIPS ARE CONSTANT CURRENT REGULATED
- ALUMINUM PCB BOARD
- SUPPLIED CHAIN LENGTH: 30 MODULES (MAX. PER POWERLINE)

- DIMENSIONS: 68 MM X 34 MM
- OPERATING VOLTAGE: 12 VOLTS
- POWER CONSUMPTION: 1.5 WATTS PER MODULE
- BEAM ANGLE: 56 x 12 DEGREES
- IP65 RATED
- CE IN ACCORDANCE WITH EN 55015

### ELECTRICAL AND OPTICAL OPERATING DATA

Colour	Current mA	Input in Watt	Voltage DC	Luminous Flux Lumens	Lumens per Watt lm/W	Colour- temperature Kelvin
White 7.0	208	2,5	12	250	100	7.000 K

## CH IPLITE CL-EL3 MODULE FOR EDGE ILLUMINATION OF LIGHT BOXES FROM 60 MM DEPTH

Fitted with three SMD LEDs including a special elliptical optical lenses and an IP65 rated housing enables edge lighting from a depth of 60mm. This module generates a luminous of 240 lumens using 2.80 watts of power (86 lm/W).



### TECHNICAL FEATURE

- THREE SMD LEDs WITH OPTICAL LENSES AND AN IP65 RATED HOUSING
- LED CHIPS ARE CONSTANT CURRENT REGULATED
- ALUMINUM PCB BOARD
- SUPPLIED CHAIN LENGTH: 20 MODULES (MAX. PER POWERLINE)

- DIMENSIONS: 100 MM X 26 MM
- OPERATING VOLTAGE: 12 VOLTS
- POWER CONSUMPTION: 2.8 WATTS PER MODULE
- IP65 RATED
- CE IN ACCORDANCE WITH EN 55015

### ELECTRICAL AND OPTICAL OPERATING DATA

Colour	Current mA	Input in Watt	Voltage DC	Luminous Flux Lumens	Lumens per Watt lm/W	Colour- temperature Kelvin
White 3.5	233	2,8	12	230	82	3.500 K
White 7.0	233	2,8	12	240	86	7.000 K

## CH IPLITE CL-EL3 24V MODULE FOR EDGE ILLUMINATION OF LIGHT BOXES FROM 60 MM DEPTH

The CL-EL3 module has dimensions of 95 x 20 mm and is equipped with 3 special optics. This enables edge illumination from a depth of 60 mm. The luminous flux is 312 lumens at 2.4 watts (130lm/W). The module is connected to a chain of 20.



### TECHNICAL FEATURE

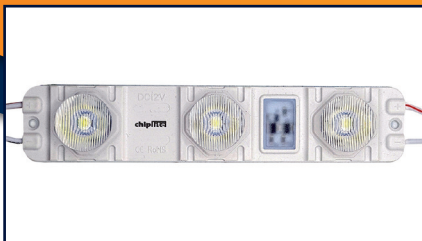
- THREE SMD LEDs WITH OPTICAL LENSES AND AN IP65 RATED HOUSING
- LED CHIPS ARE CONSTANT CURRENT REGULATED
- ALUMINUM PCB BOARD
- SUPPLIED CHAIN LENGTH: 20 MODULES (MAX. PER POWERLINE)

- DIMENSIONS: 95 MM X 20 MM
- OPERATING VOLTAGE: 24 VOLTS
- POWER CONSUMPTION: 2.4 WATTS PER MODULE
- IP65 RATED
- CE IN ACCORDANCE WITH EN 55015

### ELECTRICAL AND OPTICAL OPERATING DATA

Colour	Current mA	Input in Watt	Voltage DC	Luminous Flux Lumens	Lumens per Watt lm/W	Colour- temperature Kelvin
White 7.0	100	2,4	24	312	130	7.000 K

## CH IPLITE CL-EL6 MODULE FOR EDGE ILLUMINATION OF LIGHT BOXES FROM 80 MM DEPTH



The EL6 is our powerful edge lighting module for flat installation depths. With this you can illuminate a height of 2500 mm (equipped on two sides) from an installation depth of 80 mm. The module has a power consumption of 6.0 watts at 540 lumens (90 lm/W). 10 modules are connected to form a chain.

### TECHNICAL FEATURE

- THREE SMD LEDS WITH OPTICAL LENSES AND AN IP65 RATED HOUSING
- LED CHIPS ARE CONSTANT CURRENT REGULATED
- ALUMINUM PCB BOARD
- SUPPLIED CHAIN LENGTH: 10 MODULES (MAX. PER POWERLINE)

- DIMENSIONS: 150 MM X 30 MM
- OPERATING VOLTAGE: 12 VOLTS
- POWER CONSUMPTION: 6.0 WATTS PER MODULE
- BEAM ANGLE: 56 x 12 DEGREES
- IP65 RATED
- CE IN ACCORDANCE WITH EN 55015

### ELECTRICAL AND OPTICAL OPERATING DATA

Colour	Current mA	Input in Watt	Voltage DC	Luminous Flux Lumens	Lumens per Watt lm/W	Colour- temperature Kelvin
White 7.0	500	6,0	12	540	90	7.000 K

## CH IPLITE CL-EL-NG MODULE FOR EDGE ILLUMINATION OF LIGHT BOXES UP TO 4 M HEIGHT



The CL-EL-NG module with its innovative optics and a luminous flux of 830 lumens can illuminate light boxes with a height of up to 4000 mm over the edge. The power consumption of the module is 6.4 watts. The module is supplied as a chain of 10.

### TECHNICAL FEATURE

- THREE SMD LEDS WITH OPTICAL LENSES AND AN IP65 RATED HOUSING
- LED CHIPS ARE CONSTANT CURRENT REGULATED
- ALUMINUM PCB BOARD
- SUPPLIED CHAIN LENGTH: 10 MODULES (MAX. PER POWERLINE)

- DIMENSIONS: 174 MM X 31.5 MM
- OPERATING VOLTAGE: 24 VOLTS
- POWER CONSUMPTION: 6.4 WATTS PER MODULE
- IP65 RATED
- CE IN ACCORDANCE WITH EN 55015

### ELECTRICAL AND OPTICAL OPERATING DATA

Colour	Current mA	Input in Watt	Voltage DC	Luminous Flux Lumens	Lumens per Watt lm/W	Colour- temperature Kelvin
White 6.5	267	6,4	24	830	129	6.500 K

## CH IPLITE NEON-FLEX CURVED

This is the domed version of Neon-Flex which looks like a traditional neon tube. This profile can be curved in the horizontal plane and is ideal for forming shapes. It can easily be cut to the required length.



### TECHNICAL FEATURE

- HORIZONTALLY BENDABLE, ENHANCED LEDS DEVELOPED SPECIFICALLY FOR STRIP PRODUCTS
- DIMENSION 11 X 20 MM
- MIN. BENDABLE DIAMETER = 70 MM
- DIFFUSED SILICONE LENS AND THERMAL CONDUCTIVE BASE
- UV AND YELLOWING RESISTANT

- IP67 AND SALT-MIST PROOF
- FLEXIBLE AND CAN BE CUT IN MULTIPLES OF 6 LEDS
- CONNECTION ACCESSORIES AVAILABLE
- 3 YEAR WARRANTY

### ELECTRICAL AND OPTICAL OPERATING DATA

Colour	Current mA	Input in Watt	Voltage DC	Luminous Flux Lumens	Lumens per Watt lm/W	Colour- temperature Kelvin
White	500	12	24	350		7.000 K
Red	500	12	24	150		620 Nm
Green	500	12	24	280		520 Nm
Blue	500	12	24	75		465 Nm

## CH IPLITE NEON FLEX FLAT

This is the FLAT version of Neon-Flex in square form and has the dimension 16 x 14 mm. This profile can be curved in the vertical plane and is also ideal for straight lines. It can easily be cut to the required length.



### TECHNICAL FEATURE

- VERTICALLY BENDABLE, ENHANCED LEDS DEVELOPED SPECIFICALLY FOR STRIP PRODUCTS
- ENHANCED LEDS DEVELOPED SPECIFICALLY FOR STRIP PRODUCTS
- DIMENSION 16 X 14 MM
- MIN. BENDABLE DIAMETER = 100 MM

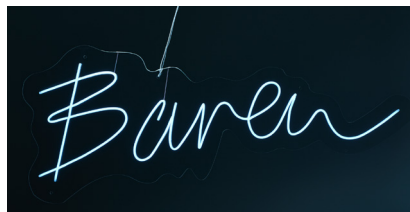
- DIFFUSED SILICONE LENS AND THERMAL CONDUCTIVE BASE
- UV AND YELLOWING RESISTANT
- IP67 AND SALT-MIST PROOF
- FLEXIBLE AND CAN BE CUT IN MULTIPLES OF 6 LEDS
- CONNECTION ACCESSORIES AVAILABLE
- 3 YEAR WARRANTY

### ELECTRICAL AND OPTICAL OPERATING DATA

Colour	Current mA	Input in Watt	Voltage DC	Luminous Flux Lumens	Lumens per Watt lm/W	Colour- temperature Kelvin
White	500	12	24	1000		7.000 K
Red	500	12	24	270		620 Nm
Green	500	12	24	460		520 Nm
Blue	500	12	24	165		465 Nm
Warmwhite	500	12	24	950		3.500 K

# NEON FLEX EASY NEON LOOK LETTERS MADE EASY

The Chiplite Neon-Flex EASY is the simple way to replicate indoor lettering that looks like neon. Fully fitted onto 5mm clear acrylic, the carrier can be contour or square cut so that the sign only needs to be hung and connected. EASY, is available in twelve different colours and two different thicknesses of 6mm or 8 mm. EASY can be formed as an outline or centre line letter. The system has an operating voltage of 12 volts and a power consumption of 9 watts per meter. All we need is a vector graphic with dimensions and colour details and your Neon-Flex EASY can be produced.

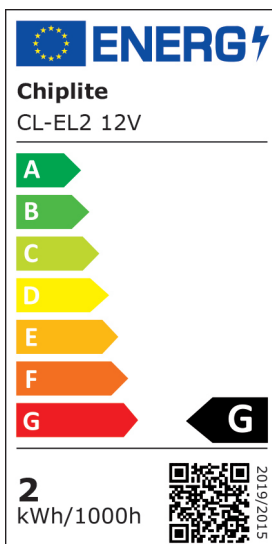
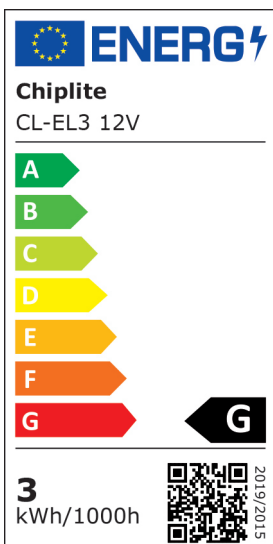
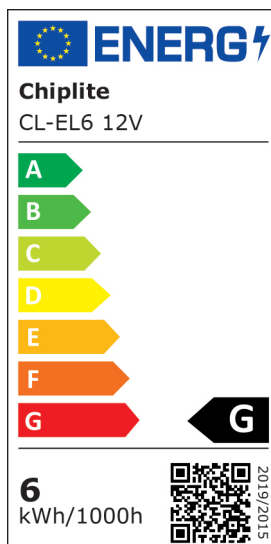
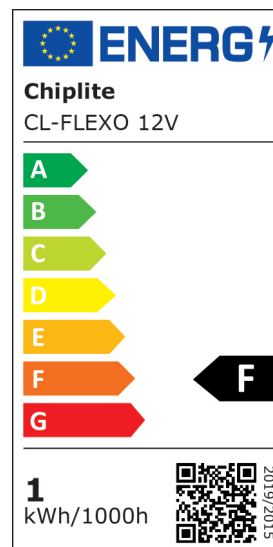
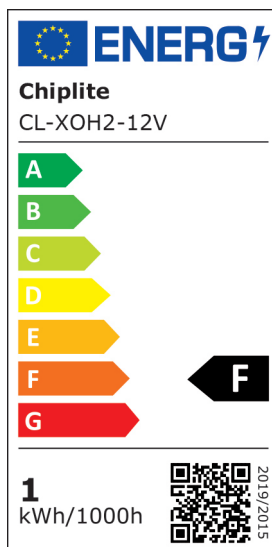
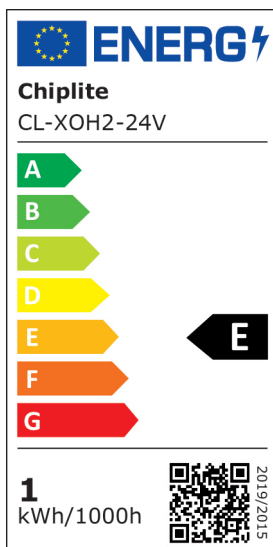
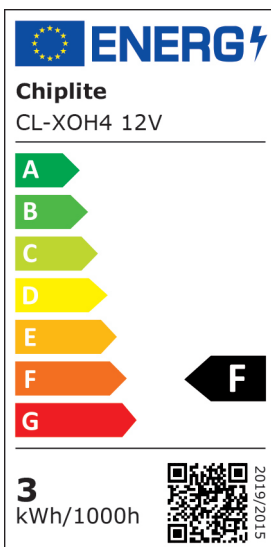
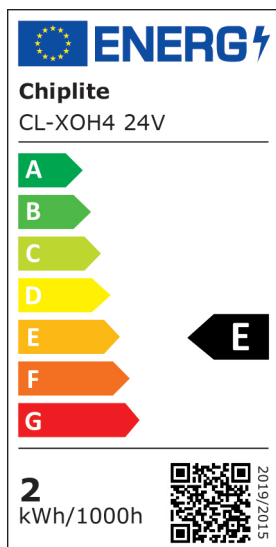


## TECHNICAL FEATURE

- COMPLETELY INSTALLED ON 5MM CLEAR ACRYLIC
- AVAILABLE IN 12 DIFFERENT COLOURS
- THICKNESS OF 6MM OR 8MM
- OPERATING VOLTAGE :12 VOLTS
- POWER CONSUMPTION: 9 WATTS PER LINEAR METRE
- LETTER HEIGHT FROM 80MM POSSIBLE

- SUITABLE FOR INDOOR USE ONLY
- INCLUDES POWER CONVERTER
- 2 YEAR WARRANTY

## CHIPLETE CERTIFICATES





# POWER CONVERTER

## CHIPLETE LED-CONVERTER

The Chippower LED converter guarantees a reliable, even supply of current.

Each converter has a very narrow design, meaning that there are no bulky transformers to cause shadows in lettering or light boxes. The power spectrum of the converters ranges from 18 W to 240 W.

TECHNICAL  
FEATURE

- CONSTANT VOLTAGE LED CONVERTER
- MIN. IP65
- BUILD IN PFC (NOT IN 18 WATT CONVERTER)
- 12 VOLT VERSION: 120 WATT AND 192 WATT WITH BUILT IN DIMMING FUNCTION
- 24 VOLT VERSION: 150 WATT AND 240 WATT WITH BUILT IN DIMMING FUNCTION

SAFETY AND ASSEMBLY INFORMATION

SEE DATASHEET (ASK FOR THAT)

ELECTRICAL OPERATING DATA  
12 VOLT

Type	Size	Power consumption	Current IP	Protection
CPEVG18	140 x 30 x 20 mm	18 Watt	1,5A	IP67
CPEVG25-1	148 x 40 x 32 mm	25 Watt	2,1 A	IP67
CPEVG40	162 x 43 x 32 mm	40 Watt	3,3 A	IP67
CPEVG60-1	162 x 43 x 32 mm	60 Watt	5 A	IP67
CPEVG120-1D	219x 63 x 35,5 mm	120 Watt	10 A	IP67
CPEVG192D	244 x 71 x 37,5 mm	192 Watt	16 A	IP67

ELECTRICAL OPERATING DATA  
24 VOLT

Type	Size	Power consumption	Current IP	Protection
CP24-EVG18	140 x 30 x 20 mm	18 Watt	0,75 A	IP67
CP24-EVG25-1	148 x 40 x 32 mm	25 Watt	1,05 A	IP67
CP24-EVG40	162 x 43 x 32 mm	40 Watt	1,66 A	IP67
CP24-EVG60-1	162 x 43 x 32 mm	60 Watt	2,5 A	IP67
CP24-EVG100-1	219x 63 x 35,5 mm	100 Watt	4,16 A	IP67
CP24-EVG150-1	244 x 71 x 37,5 mm	150 Watt	6,25 A	IP67
CP24-EVG240-1	244 x 71 x 37,5 mm	240 Watt	10 A	IP67

## NEU! CHIPLETE SLIM-CONVERTER

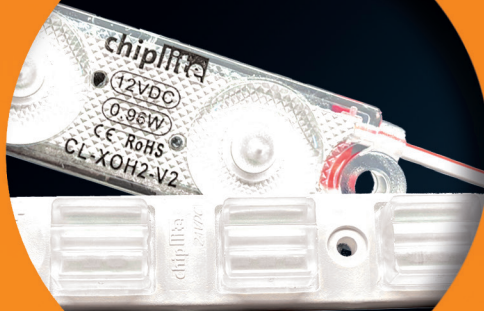
ELECTRICAL OPERATING DATA 12 VOLT	Type	Size	Power consumption	Current IP	Protection
	CP-SL30	239 x 35 x 20 mm	30 Watt	2,5 A	IP67
	CP-SL60	295 x 35 x 20 mm	60 Watt	5 A	IP67
	CP-SL100	309 x 35 x 20 mm	100 Watt	8,3 A	IP67
	CP-SL150	309 x 35 x 20 mm	150 Watt	12,5 A	IP67
	CP-SL200	233 x 45 x 20 mm	200 Watt	16,6 A	IP67

### Limit values of all CHIPLETE products Page 4 to Page 13

TYPE	VOLTAGE (DC)		OPERATING TEMPERATURE °C		STORAGE TEMPERATURE °C	
	V MIN.	V MAX.	°C MIN.	°C MAX.	°C MIN.	°C MAX.
12 V	11	13	-20	70	-40	85
24 V	23	25	-20	70	-40	85

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

Subject to technical changes and errors!



**chiplite<sup>®</sup>**

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