

Product datasheet



Xlight Lens Slim 1xLED 2835

Areas of application

- Signage and illuminated advertising
- Backlighting of light boxes and channel letters, best for 120mm to 180mm depth

Product benefits

- Uniform and efficient illumination at high LED pitches thanks to good optics technology
- Fully integrated heat sink
- Significantly better application efficiency compared to systems without lenses
- Long lifetime 5 years warranty

Product features

- 12VDC
- 125 lm/module (90 lm/W)
- Beam angle 160°
- CE marked and UL listed



Electrical data

Product Description	Typical Voltage	Energy Consumption (W/module)	Energy Consumption (W/chain)	Power Supper Loading	Additional Information (modules/chain)
XLIGHT LENS Slim 1xLED 2835	12VDC	1,4	42	42 modules/60W	30

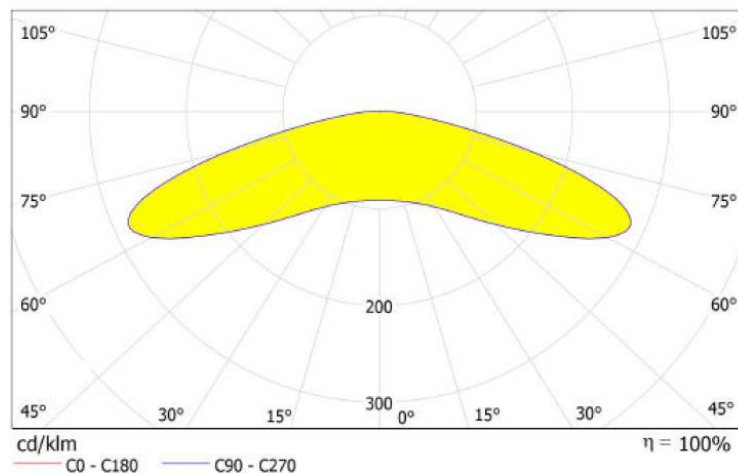
Photometrical data

Product Description	Light color (designation)	Color (CCT, wavelength)	Color Rendering Index	Typical Brightness (lumen/module)	Typical Brightness (lumen/chain)
XLIGHT LENS Slim 1xLED 2835	White	2800K-17000K	Ra > 75	125	3750

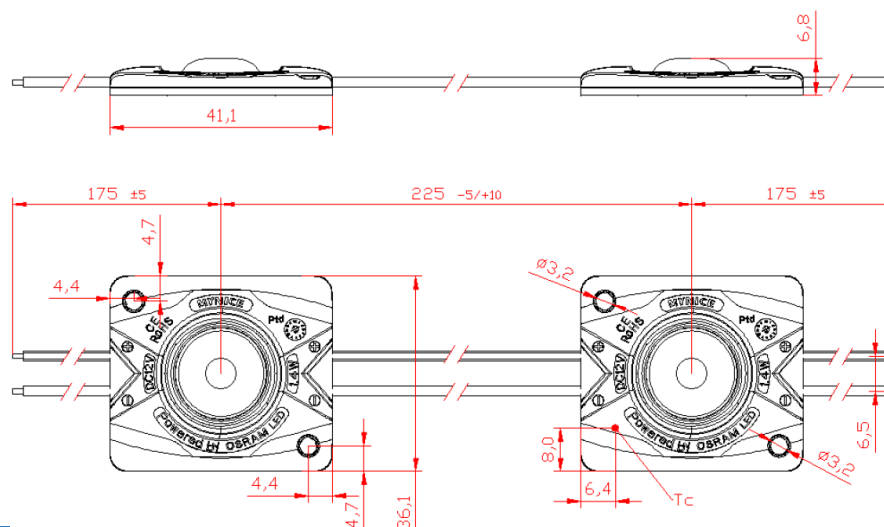
Environmental and Application Conditions

Operating Environment (t_a)	-25°C to +50°C
Storage Temperature Range (t_s)	-40°C to +85°C
Max. operating (case) temperature (t_c)	65°C
IP Rating	IP66
Lifetime (L70B50)	50,000 hours
Cutting Resolution	Cut on wire between every module

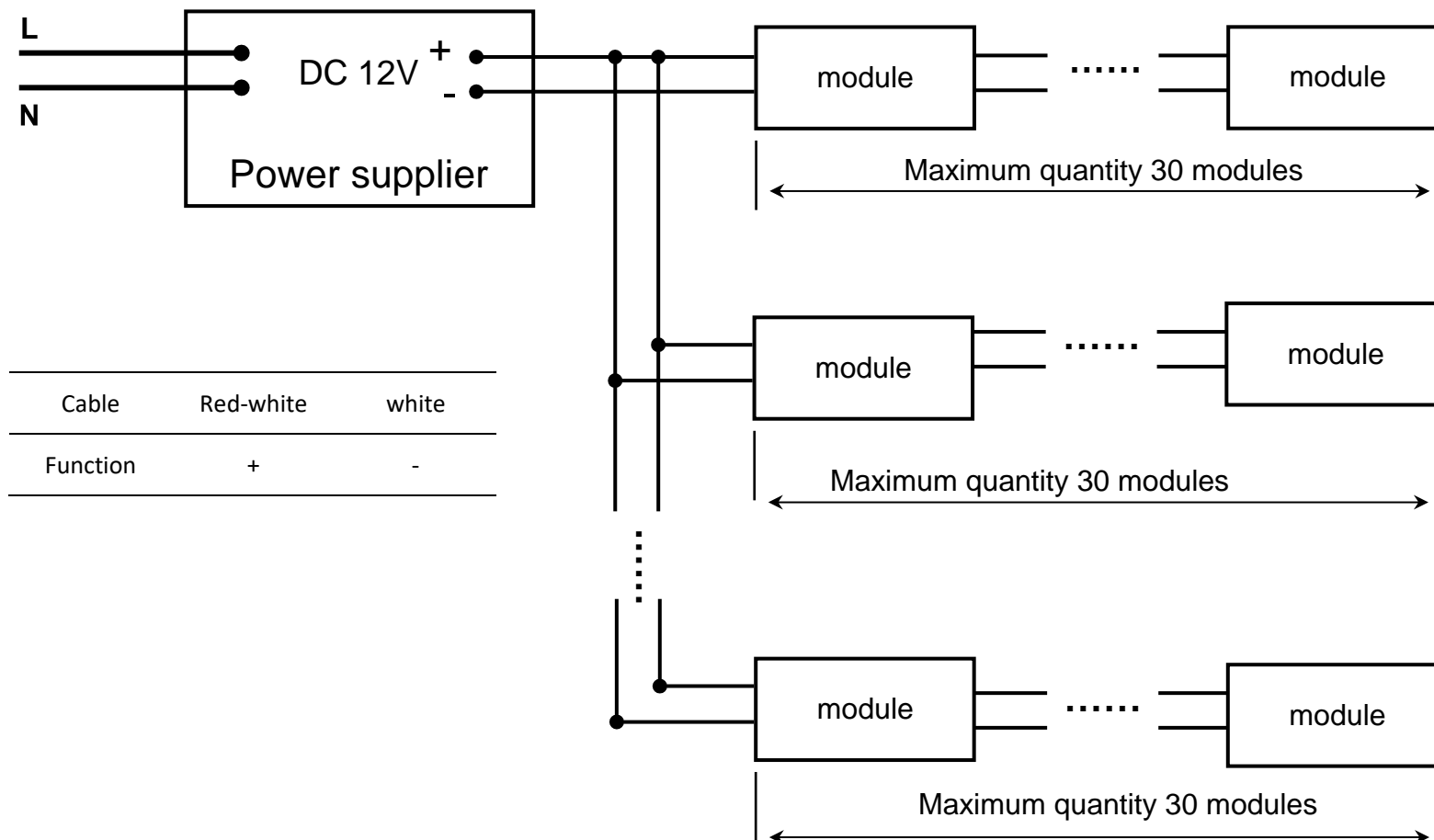
Light distribution



Product line drawing



Wiring method



Package

Product Description	Package unit (modules/car ton box)	Package unit (chains/carton box)	Carton box Dimensions (length x width x height)	Volume	Gross weight
XLIGHT LENS Slim 1xLED	1440	48	0,52mx0,37mx0,26m	0,05 m ³	23 KG

Additional product information

- ✓ The power cable should meet the actual maximum current and power
- ✓ Installation by qualified electrician only.
- ✓ Parallel connection is mandatory for safe electrical operation. Serial connection of LED modules is discouraged. Unbalanced voltage drop in serial connection can cause hazardous overload
- ✓ Electrical contact is achieved with the contact cables or the terminals of the module. Please refer to the technical data for maximum number of LED modules that can be operated on one control gear.
- ✓ To avoid mechanical damage, the LED modules have to be attached securely to the intended mounting surface. It is recommended to avoid heavy vibration.

