



Product datasheet



Xlight Lens Mini 1xLED

Areas of application

- Signage and illuminated advertising
- Backlighting of channel letters, best for 25mm to 80mm depth (1 to 3inch)

Product benefits

- Uniform and efficient illumination at high LED pitches thanks to oval optics design
- Small module size would be flexible in application
- Significantly better application efficiency compared to systems without lenses
- Long lifetime 5 years warranty

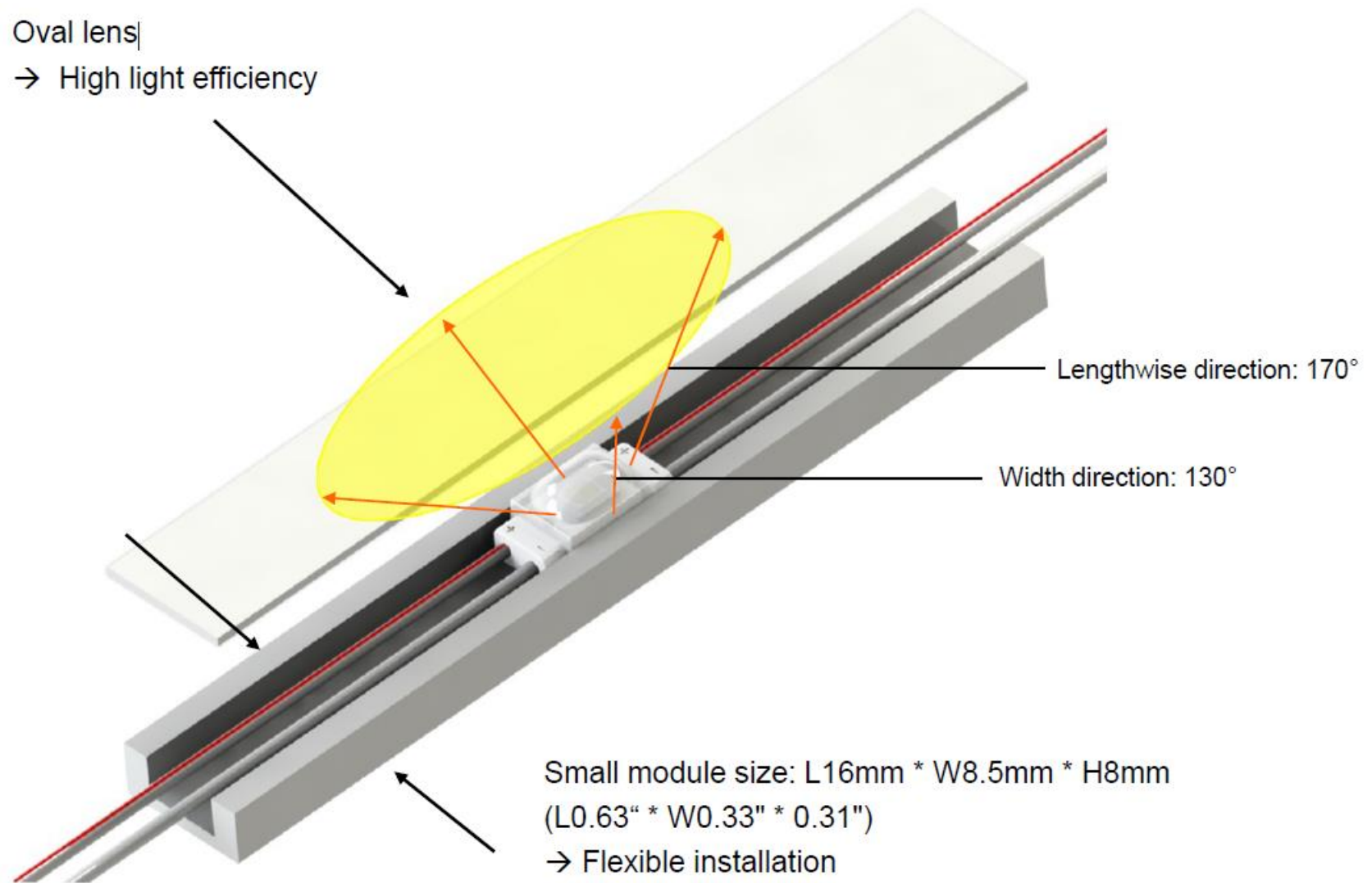
Product features

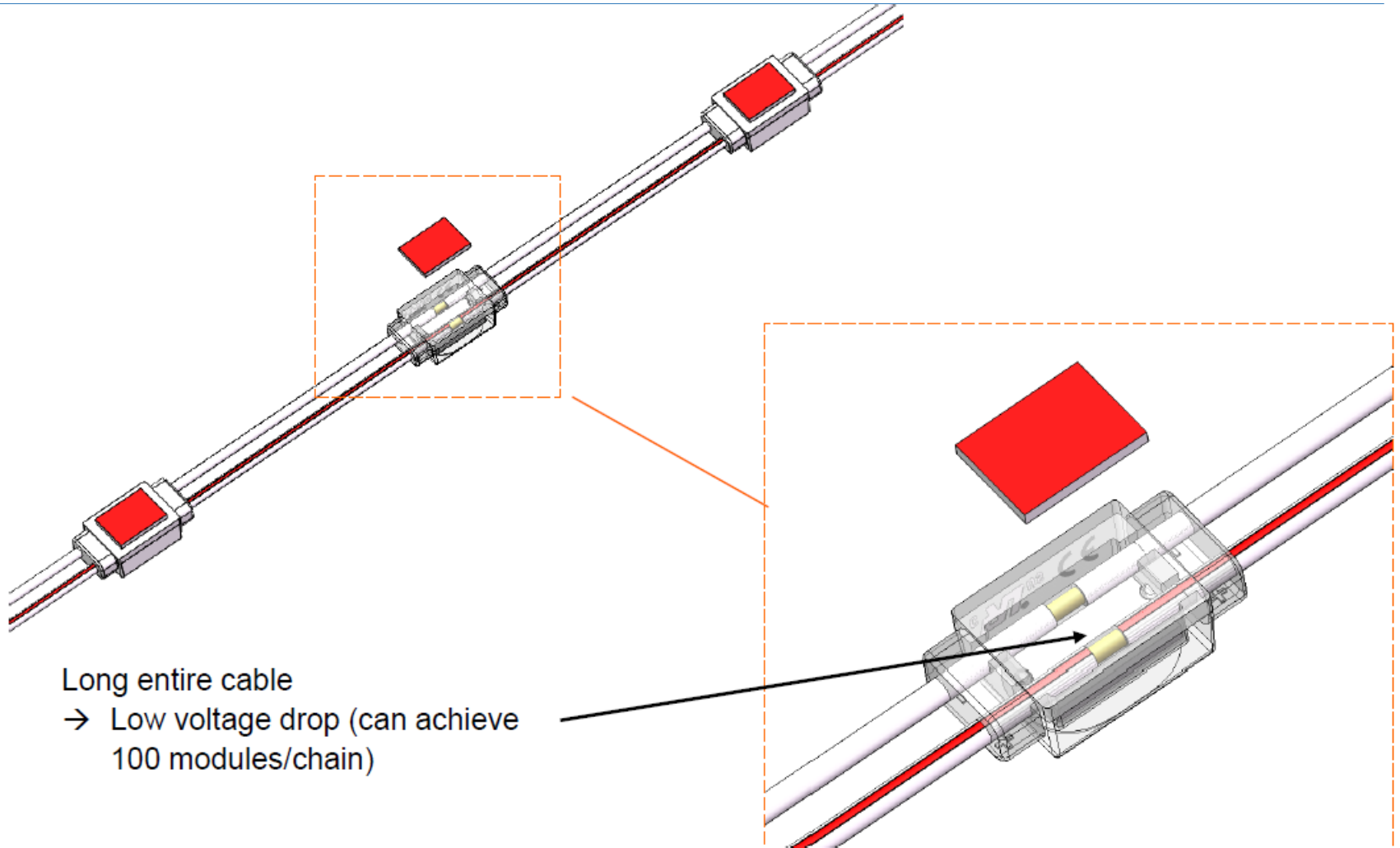
- 12VDC
- 41 lm/module (115 lm/W)
- Beam angle 170° x 130°
- CE marked and UL listed



Oval lens

→ High light efficiency





Electrical data

Product Description	Typical Voltage	Energy Consumption (W/module)	Energy Consumption (W/chain)	Power Supper Loading	Additional Information (modules/chain)
XLIGHT LENS Mini 1xLED	12VDC	0.36	36	166 modules/60W	100

Photometrical data

Product Description	Light color (designation)	Color (CCT, wavelength)	Color Rendering Index	Typical Brightness (lumen/module)	Typical Brightness (lumen/chain)
XLIGHT LENS Mini 1xLED	White	2800K-17000K	Ra > 70	41	4100

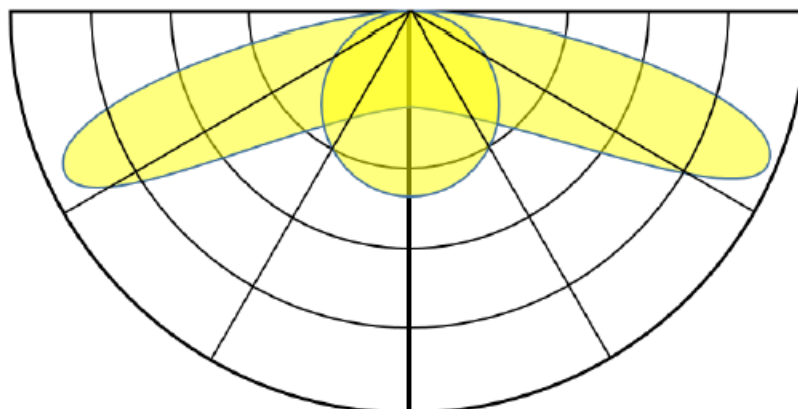
Environmental and Application Conditions

Operating Environment (t_a)	-25°C to +55°C
Storage Temperature Range (t_s)	-40°C to +85°C
Max. operating (case) temperature (t_c)	80°C
IP Rating	IP67
Lifetime (L70B50)	50,000 hours
Dimming mode	Dimmable
Cutting Resolution	Cut on wire between every module

Maximum Supply Wire Limits

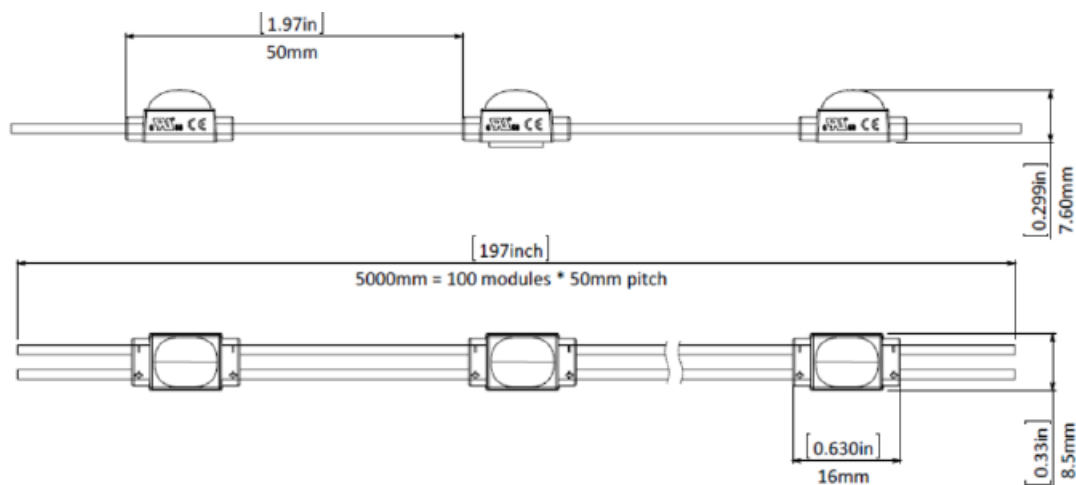
30 W	83 modules	4,2m (13,7 ft.)
60 W	166 modules	8,3m (27,3 ft.)
80 W	222 modules	11,1m (36,4 ft.)
100 W	277modules	13,9m (45,6 ft.)
180 W	500 modules	25m (82 ft.)

Light distribution

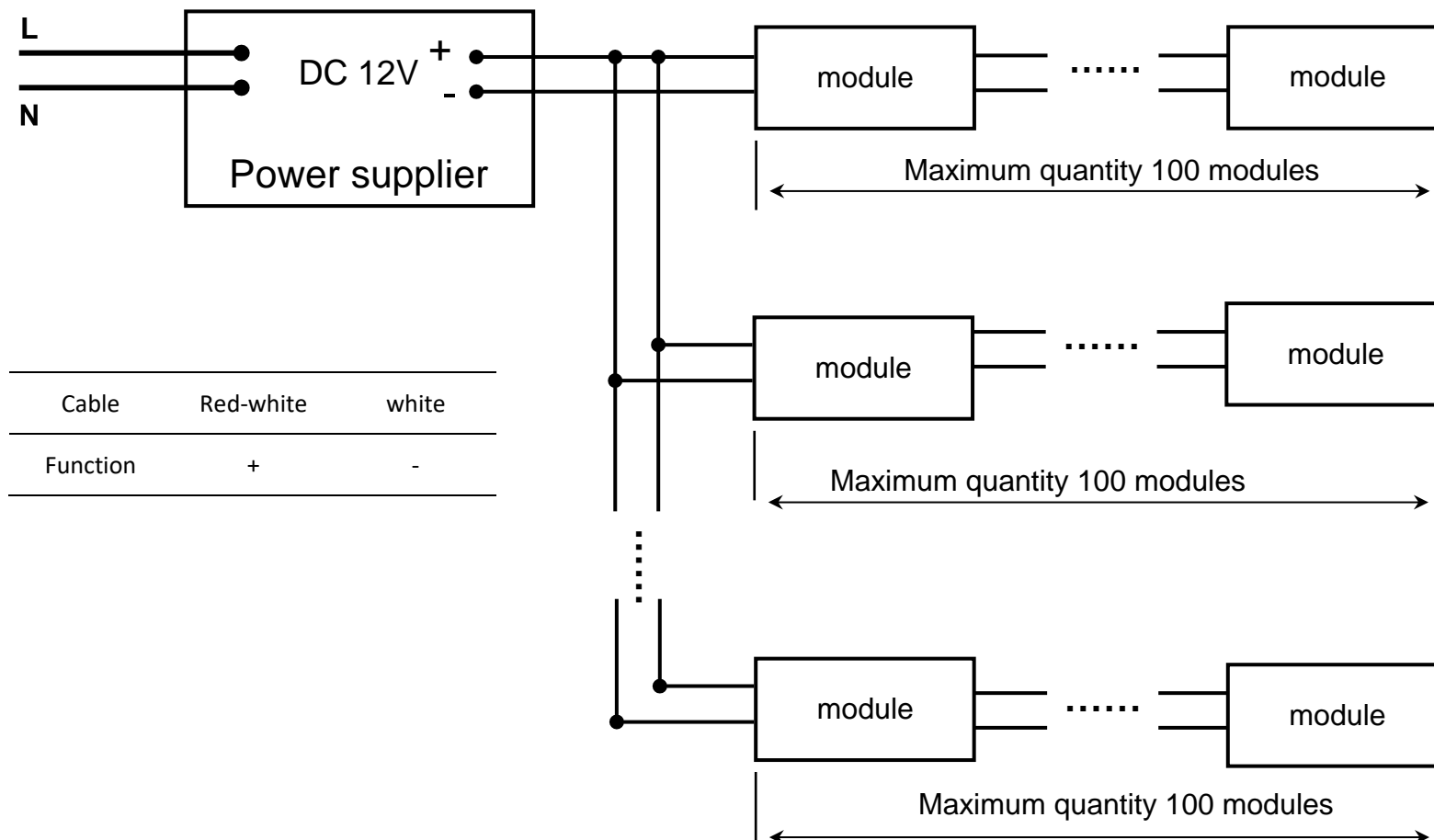


170° x 130°

Product line drawing



Wiring method



* The secondary cable recommend AGW18, <1 meter (3,28 ft.)

Package

Product Description	Package unit (modules/carton box)	Package unit (chains/carton box)	Carton box Dimensions (length x width x height)	Volume	Gross weight
XLIGHT LENS Mini 1xLED	10000	100	0,52mx0,37mx0,26m	0,05 m ³	60 KG

Additional product information

- ✓ Installation of LED modules (with power supplies) needs to be made under consideration of all valid regulations and norms.
- ✓ 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.
- ✓ LED modules are dimmable by means of PWM (pulse width modulation).

