Product datasheet

MYNICE

NT7015

P/N: M23GW19A-H

Areas of application

- Signage and illuminated advertising.
- Backlighting of channel letters and light box.
- Best for 50mm to 200mm depth (2inch to 8inch).

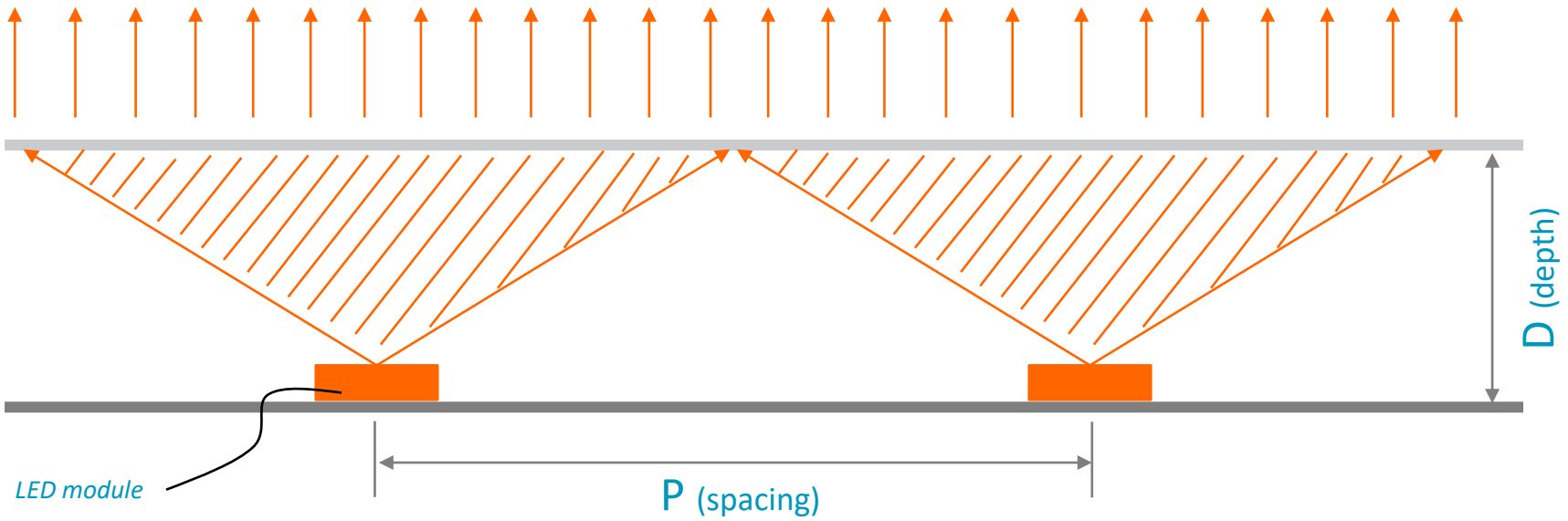
Product main benefits

- New bat-wing lens design to get good optical performance.
- 5 Years warranty.
- 150 lm/W.
- IP66.

c US CE ISO 9001 UKAS ISO 14001 RoHS COMPLIANT LM-79 TESTED LM-80 TESTED TÜV SÜD EPISTAR


Bat-wing micro lens
High efficacy LED
Over-molding

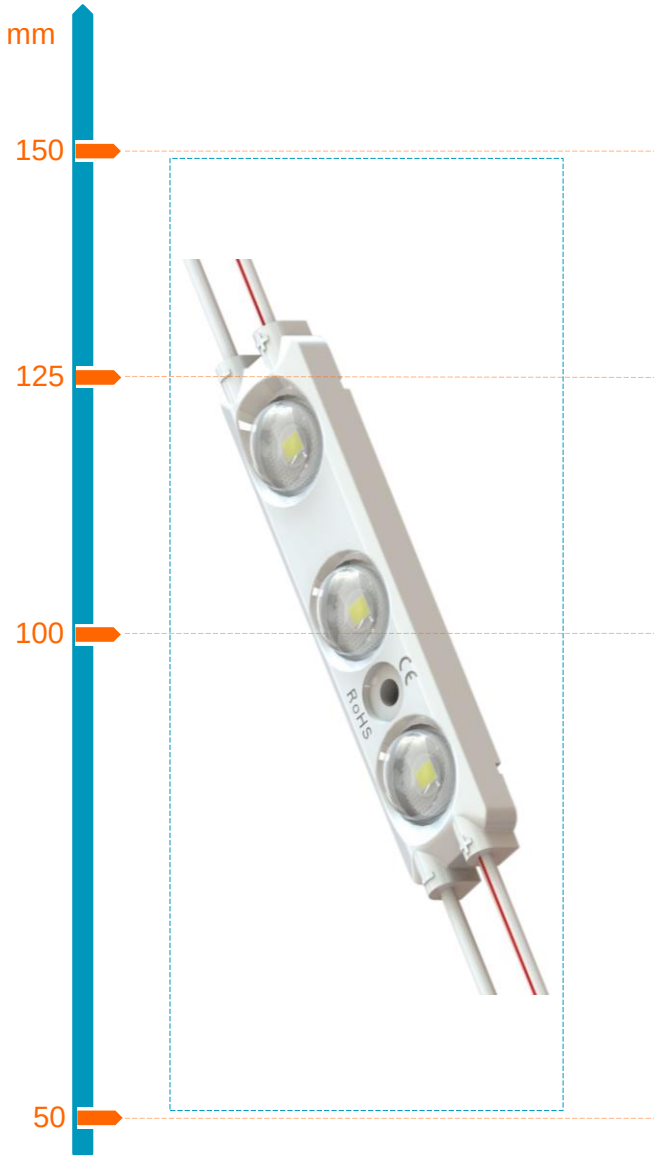
Optics Technology

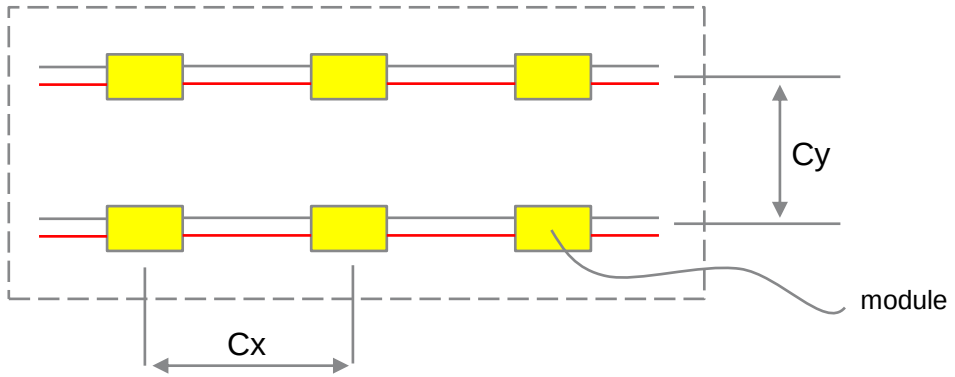


$$optical\ performance\ proportion = \frac{D(depth)}{P(spacing)} = 1{:}1.8$$

– The proportion of “P” and “D” can show the performance of lens optics design.
– The bigger proportion, the wider light spot.

Application





Depth	Cx	Cy	Surface illuminance
80mm	120mm	100mm	4200lux
100mm	140mm	130mm	2600lux
120mm	155mm	150mm	1900lux

Electrical and Photometrical data

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Electrical data	PART NUMBERS	Typical Voltage	Energy Consumption (W/module)	Energy Consumption (W/chain)	Energy Consumption (W/ft.)	Additional Information (modules/chain)
NT7015	M23GW19A-H	12VDC	1.2	24	2.4	20
NT7015	M23GR19A	12VDC	0.72	14.4	1.44	20

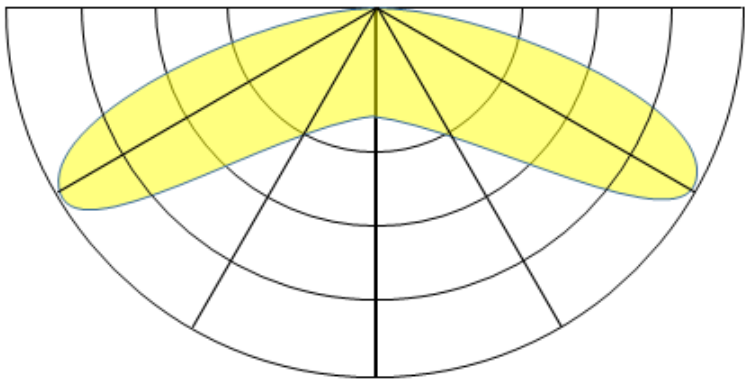
Photometrical data	PART NUMBERS	Light color (designation)	Module power	Color (CCT, wavelength)	Typical Brightness (lumen/module)	Typical Brightness (lumen/chain)	Typical Brightness (lumen/ft.)
NT7015	M23GW19A-H	White	1.2W	6500K	180	3600	354
NT7015	M23GW19A-H	Cold white	1.2W	> 8000K	171	3420	336
NT7015	M23GR19A	Red	0.72W	620-630nm	25	500	49

Remark:

1. *Ranking at t_a= 25 ℃.*
2. *Constant voltage design.*
3. *Tolerance of measurements for power is ±10%.*

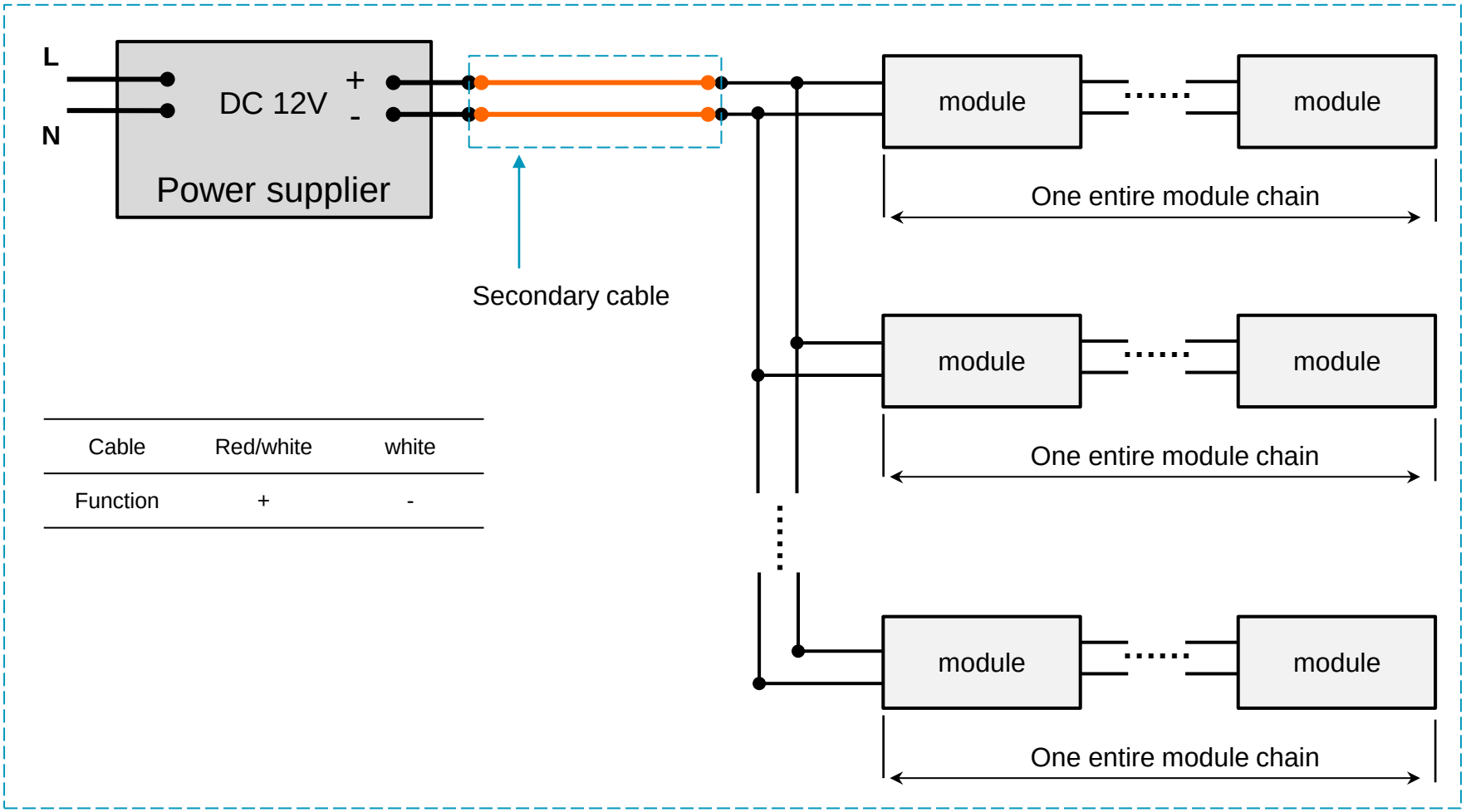
Application Conditions and light distribution

Operating Environment (t_a)	-25°C to +55°C
Storage Temperature Range (t_s)	-40°C to +85°C
IP Rating	IP66
Lifetime (L70B50)	50,000 hours
tc temperature	80℃
Dimming mode	Dimmable
Cutting Resolution	Cut on wire between every module



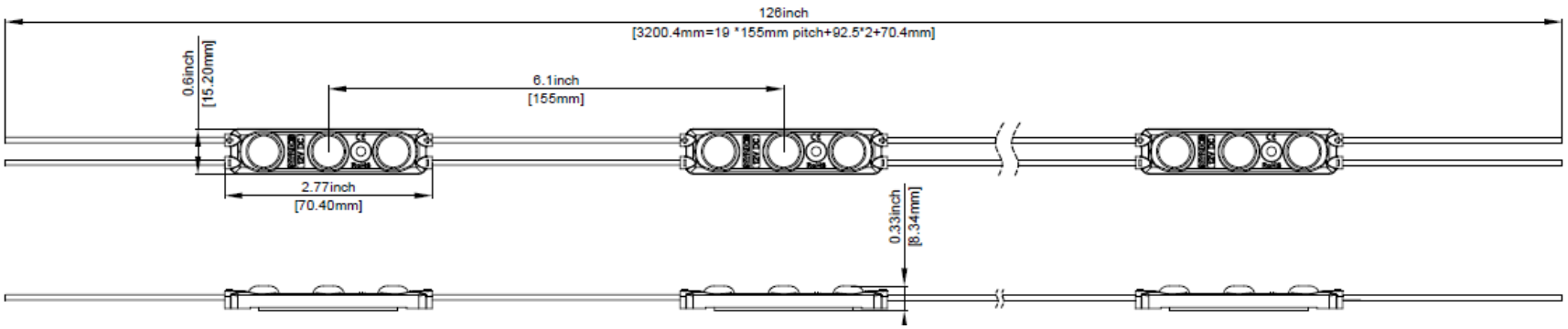
Beam angle: 160°

Wiring method



Cable	Red/white	white
Function	+	-

Drawing


126inch
[3200.4mm=19 *155mm pitch+92.5*2+70.4mm]
0.6inch
[15.20mm]
6.1inch
[155mm]
2.77inch
[70.40mm]
0.33inch
[8.34mm]

Package and additional information

PRODUCTS	PART NUMBERS	Package unit (modules/carton box)	Carton box Dimensions (length x width x height)
NT7015	M23Gx19A	1400	52 x 37 x 26 cm

Additional 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).