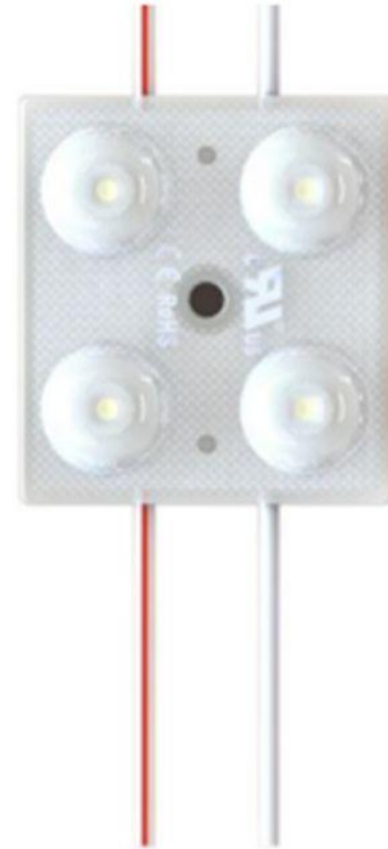
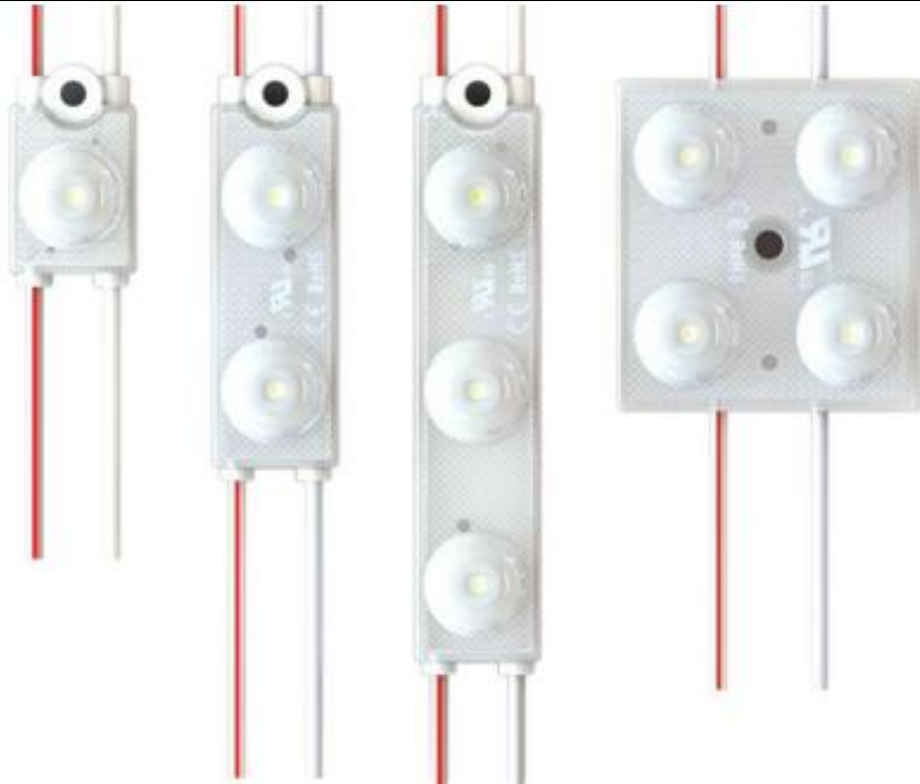




VISCOM
LEDS & FRAMES ●●●



FAMILIA NOVA HT



NOVA

NOVA50HT
NOVA100HT
NOVA150HT
NOVA200HT

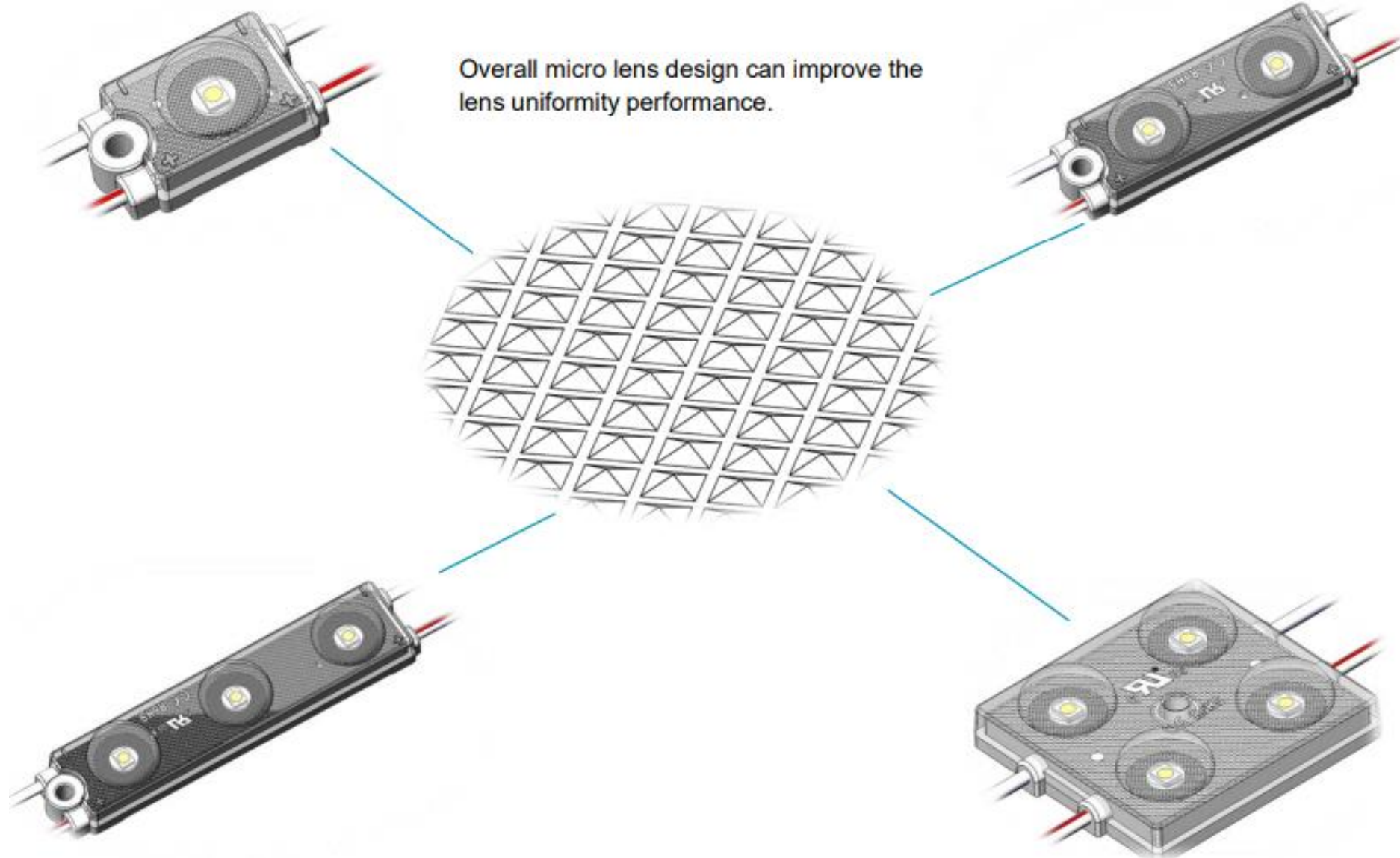
Areas of application

- Signage and illuminated advertising.
- Backlighting of channel letters and light box.
- Best for 30mm to 200mm depth.

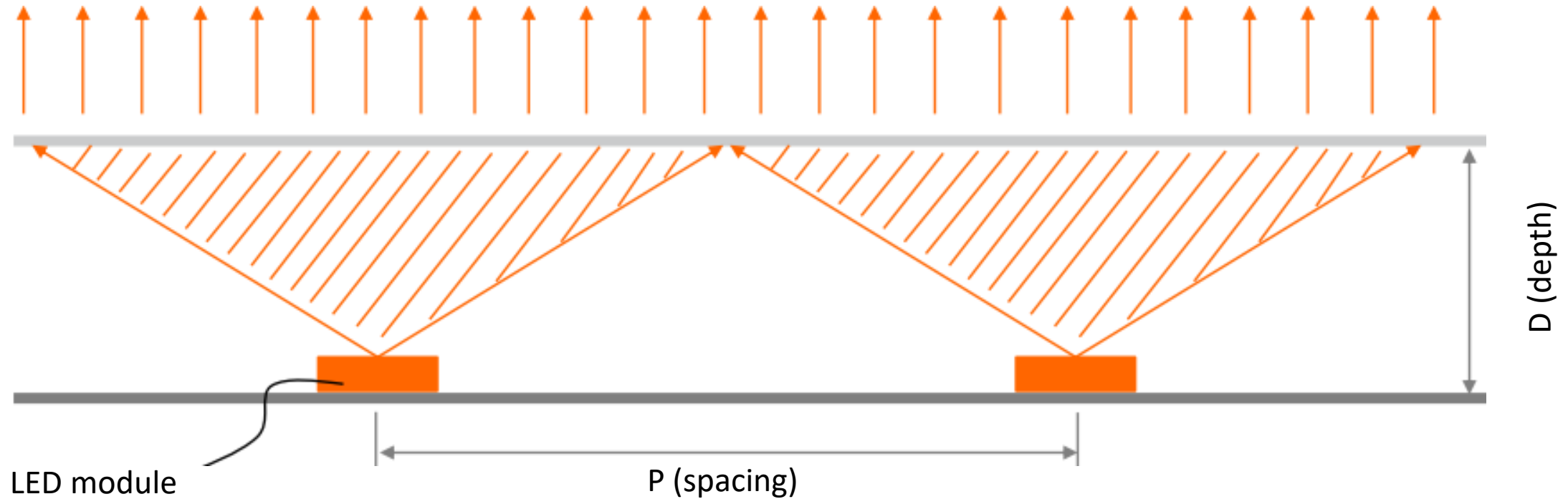
Product main benefits

- Uniform and efficient illumination at high LED module distance thanks to new excellent lens design.
- New technology to get high efficiency.
- 5 Years warranty.
- 160 lm/W.

Lens Technology (micro lens design)



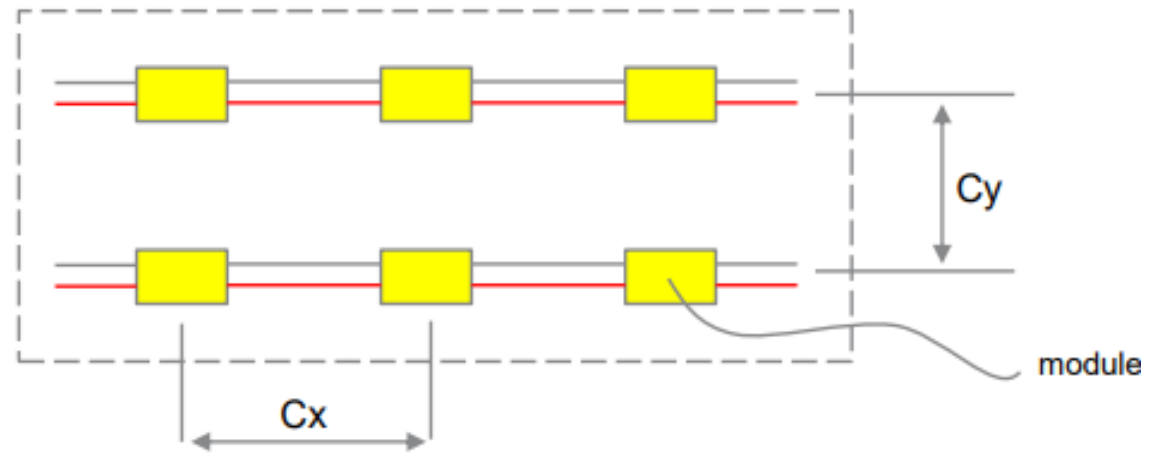
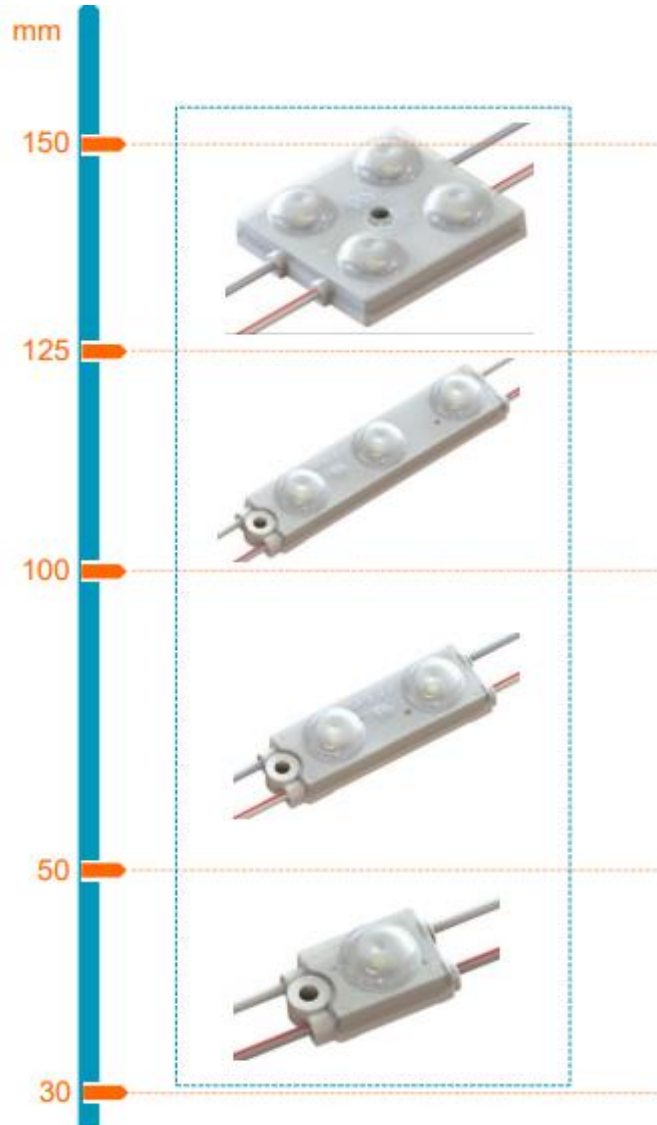
Lens Technology (micro lens design)



Optical performance propotion = $\frac{D(\text{depth})}{P(\text{spacing})} = 1:3$

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

Application



Product	Depth	Cx	Cy	Surface illuminance
NOVA50HT	50mm	100mm	90mm	2300lux
NOVA100HT	80mm	180mm	160mm	1300lux
NOVA150HT	100mm	220mm	200mm	1300lux
NOVA200HT	130mm	260mm	240mm	1100lux

Product Item	Model colour	Typical Voltage	Energy Consumption (W/module)	Energy Consumption (W/chain)	Energy Consumption (W/ft)	Additional Information (modules/chain)
NOVA 50 HT	NOVA50HTBF 6500K	12VDC	0.5	25	1.52	50
NOVA 100 HT	NOVA100HTBF 6500K	12VDC	1	30	3.05	30
NOVA 150 HT	NOVA150HTBF 6500K	12VDC	1.5	30	3.20	20
NOVA 200 HT	NOVA200HTBF 6500K	12VDC	2	40	6.1	20

Remark:

1. Ranking at $t_a = 25^\circ\text{C}$.
2. Constant current design.
3. Tolerance of measurements for power is $\pm 10\%$

Photometrical data



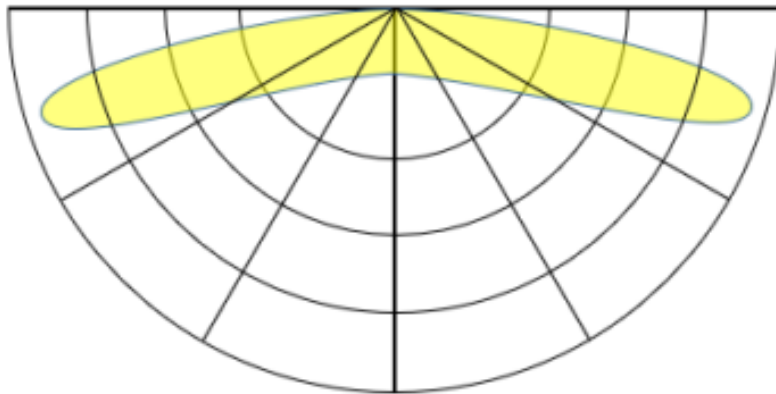
Product Item	PART NUMBERS	Light color (designation)	Color (CCT, wavelength)	Typical Brightness (lumen/module)	Typical Brightness (lumen/chain)	Typical Brightness (lumen/ft.)
NOVA 50 HT	NOVA50HTBC	Warm White	3000K/4000K	55	2750	168
	NOVA50HTBF	White	5000K/6000K/7100K	58	2900	177
NOVA 100 HT	NOVA100HTBC	Warm White	3000K/4000K	110	3300	186
	NOVA100HTBF	White	5000K/6000K/7100K	116	3480	196
NOVA 150 HT	NOVA150HTBC	Warm White	3000K/4000K	165	3300	229
	NOVA150HTBF	White	5000K/6000K/7100K	174	3480	241
NOVA 200 HT	NOVA200HTBC	Warm White	3000K/4000K	220	4400	268
	NOVA200HTBF	White	5000K/6000K/7100K	232	4640	283

Remark:

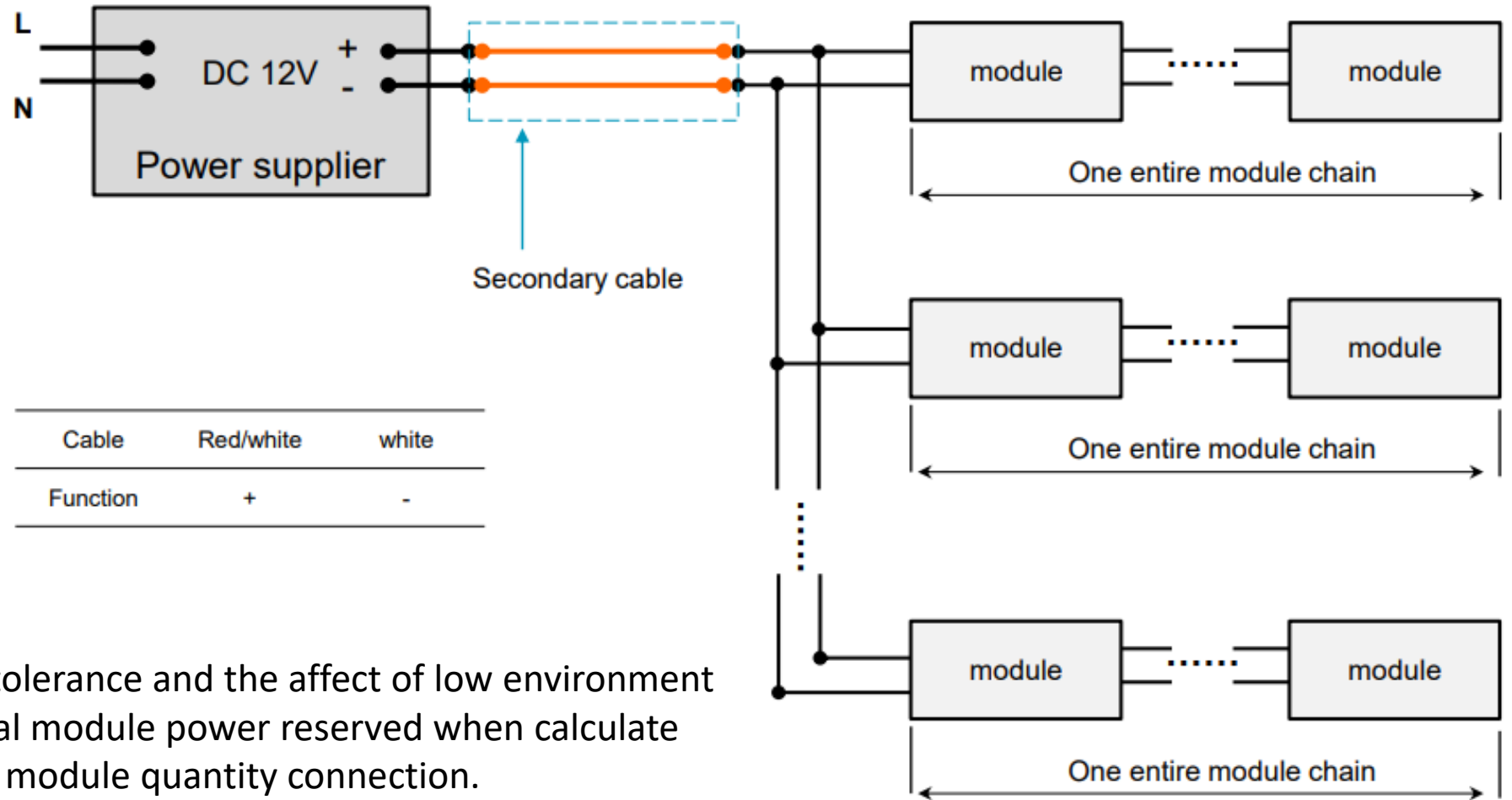
1. Ranking at $t_a = 25^\circ\text{C}$.
2. Tolerance of measurements for brightness is $\pm 10\%$, tolerance of measurements for the Chromaticity Coordinate is ± 0.01 ; the tolerance of CCT should be calculated accordingly.
3. $R_a > 70$.

Application Conditions and light distribution

Operating Environment	-25°C to +60°C
Storage Temperature Range (ts)	-40°C to +85°C
IP Rating	IP67
Lifetime (L70B50)	50.000 hours
TC Temperature	80°C
Dimming mode	Dimmable
Cutting Resolution	Cut on wire between every module



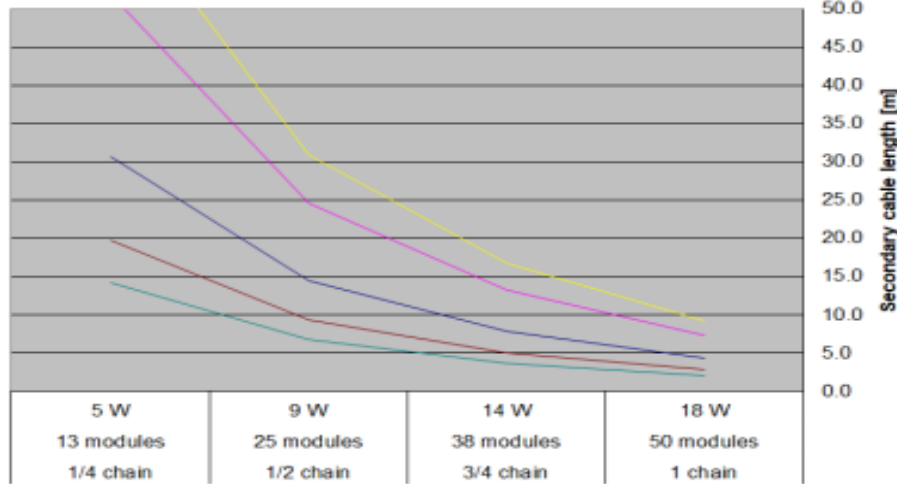
Beam angle: 175°



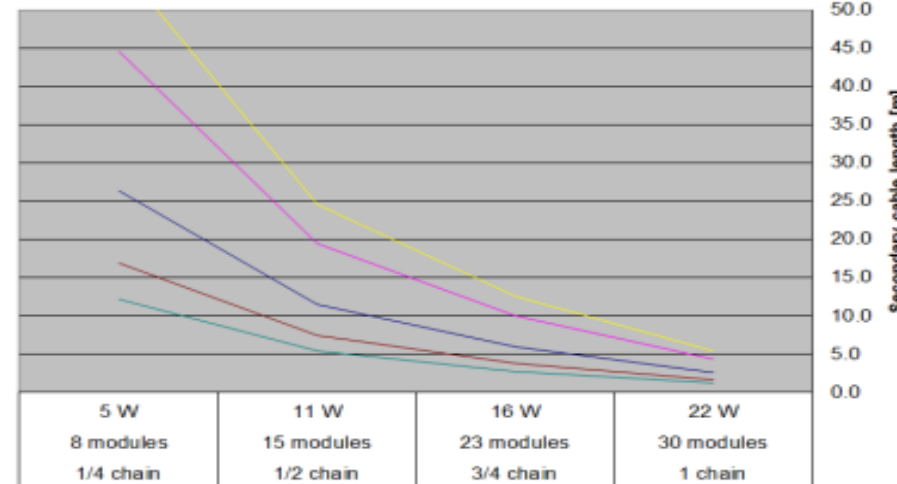
Remark:
 Considering the module power tolerance and the affect of low environment application condition, $\geq 10\%$ total module power reserved when calculate the power supplier to driver the module quantity connection.

Wiring method (secondary cable length recommendation)

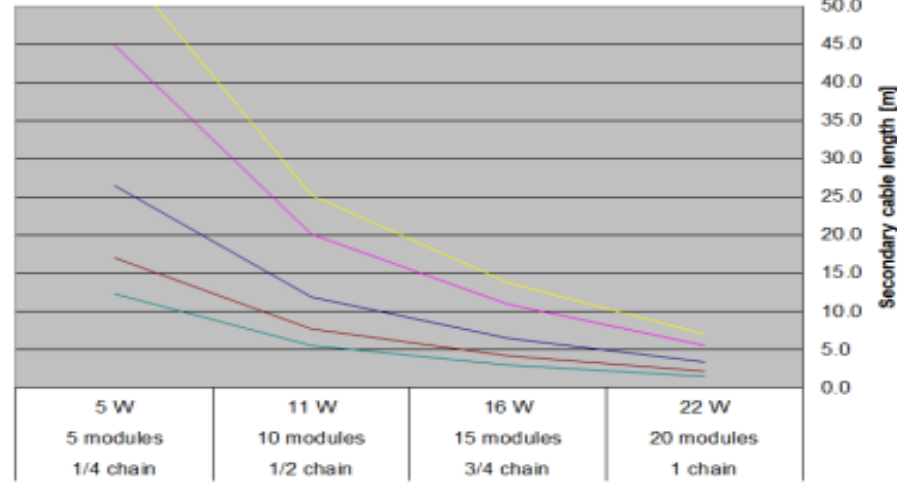
NOVA50HT



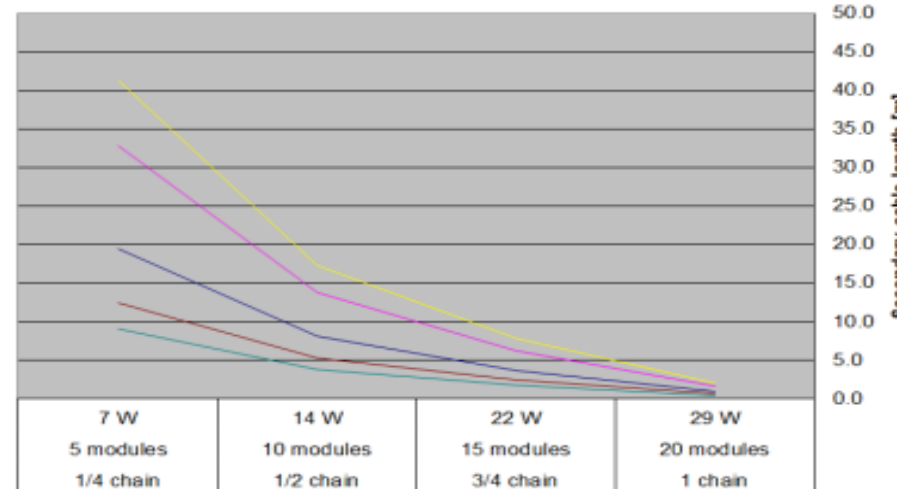
NOVA100HT

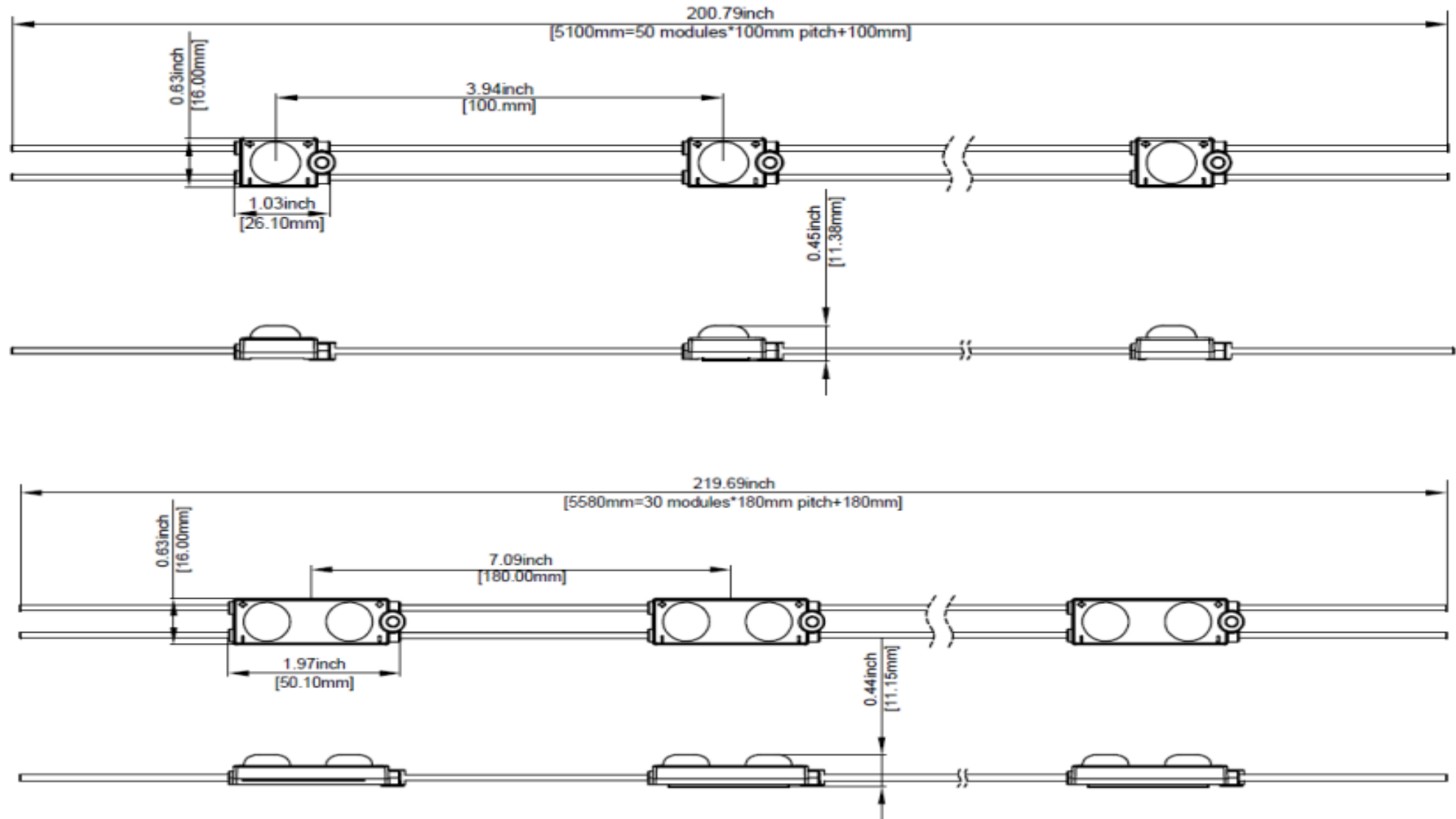


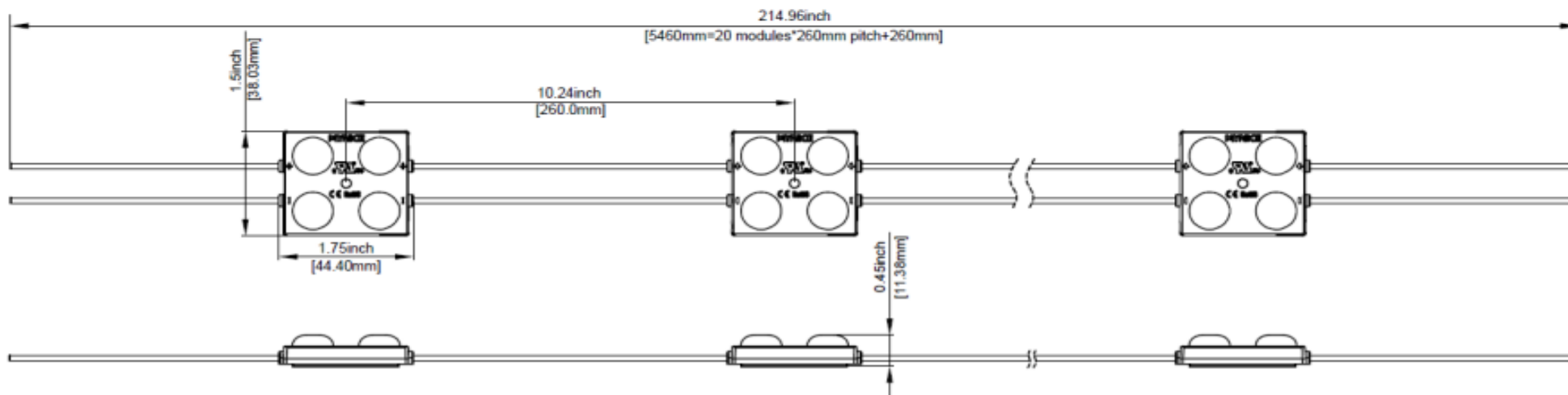
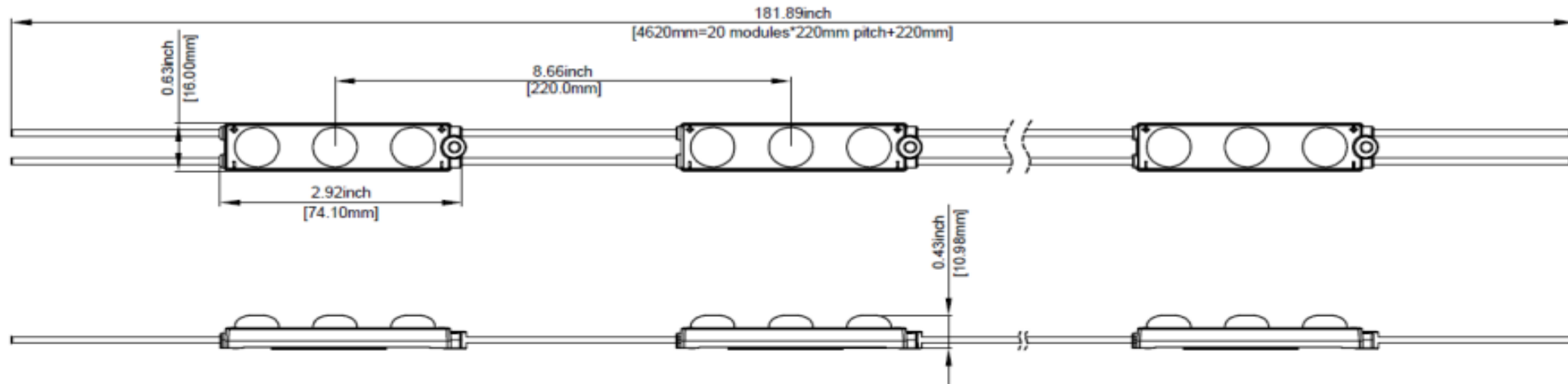
NOVA150HT



NOVA200HT







Product Description	Package unit (modules/carton box)	Carton box Dimensions (length x width x height)
NOVA 50 HT	2800	52 x 37 x 26 cm
NOVA 100 HT	1400	52 x 37 x 26 cm
NOVA 150 HT	1000	52 x 37 x 26 cm
NOVA 200 HT	600	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).