

SPECIFICATION



LED MODULE MNE-6424-CW

Areas of application

- Signage and illuminated advertising.
- Edge-lighting for medium and large light box.
- Best for 120mm ~ 300mm depth (length 1m ~ 4m).

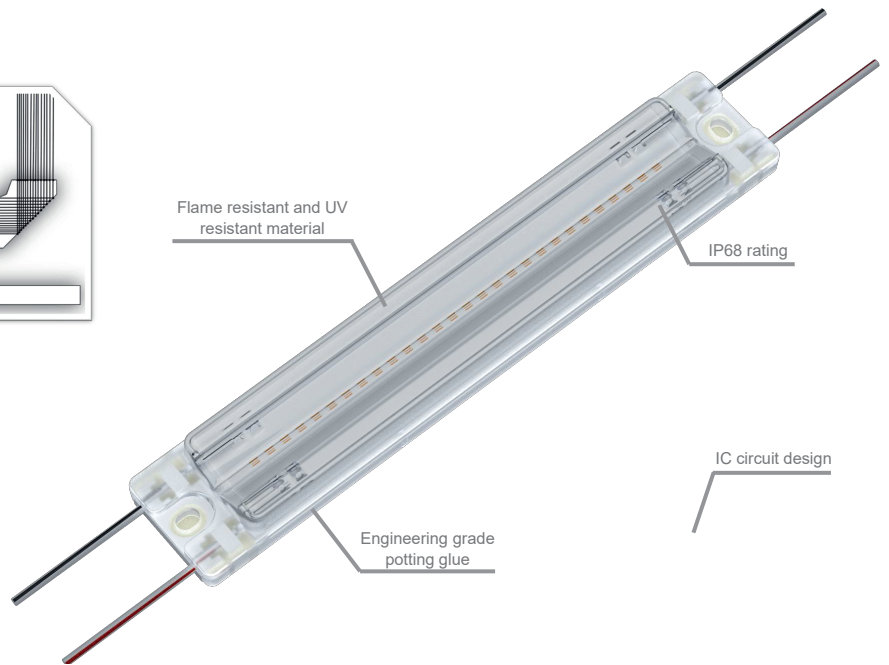
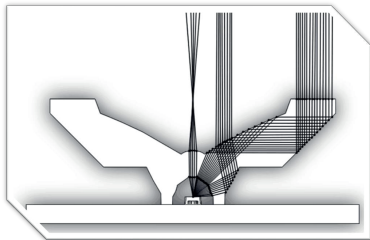
Product main benefits

- New innovation V optics lens design can get excellent homogeneous requirement (mynice Invention patent)

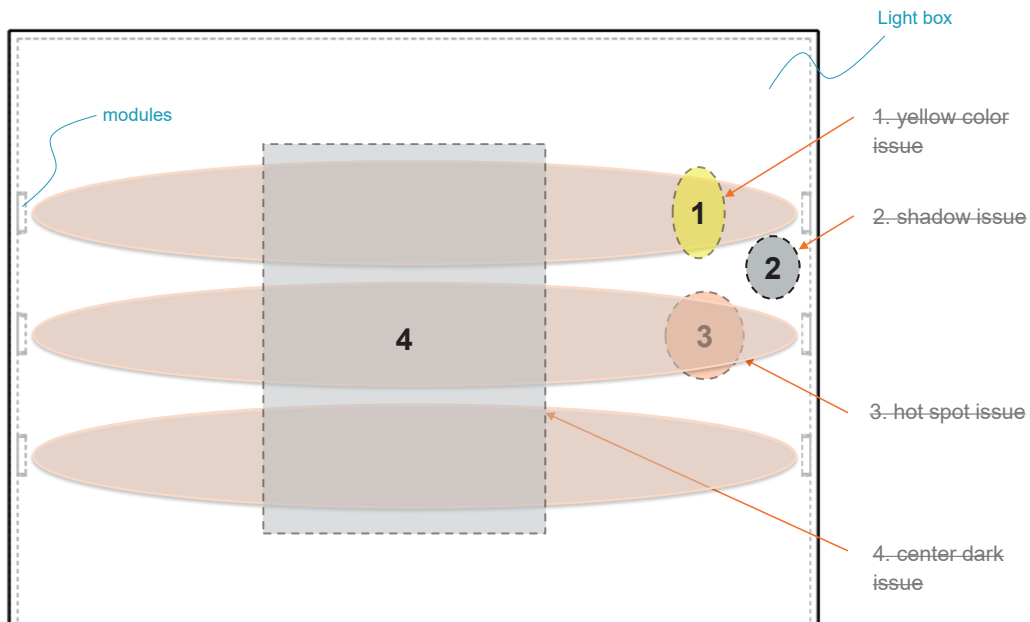
"V" Optics Lens Technology



patent protection



V optics lens can solve the main issue for edge lighting application



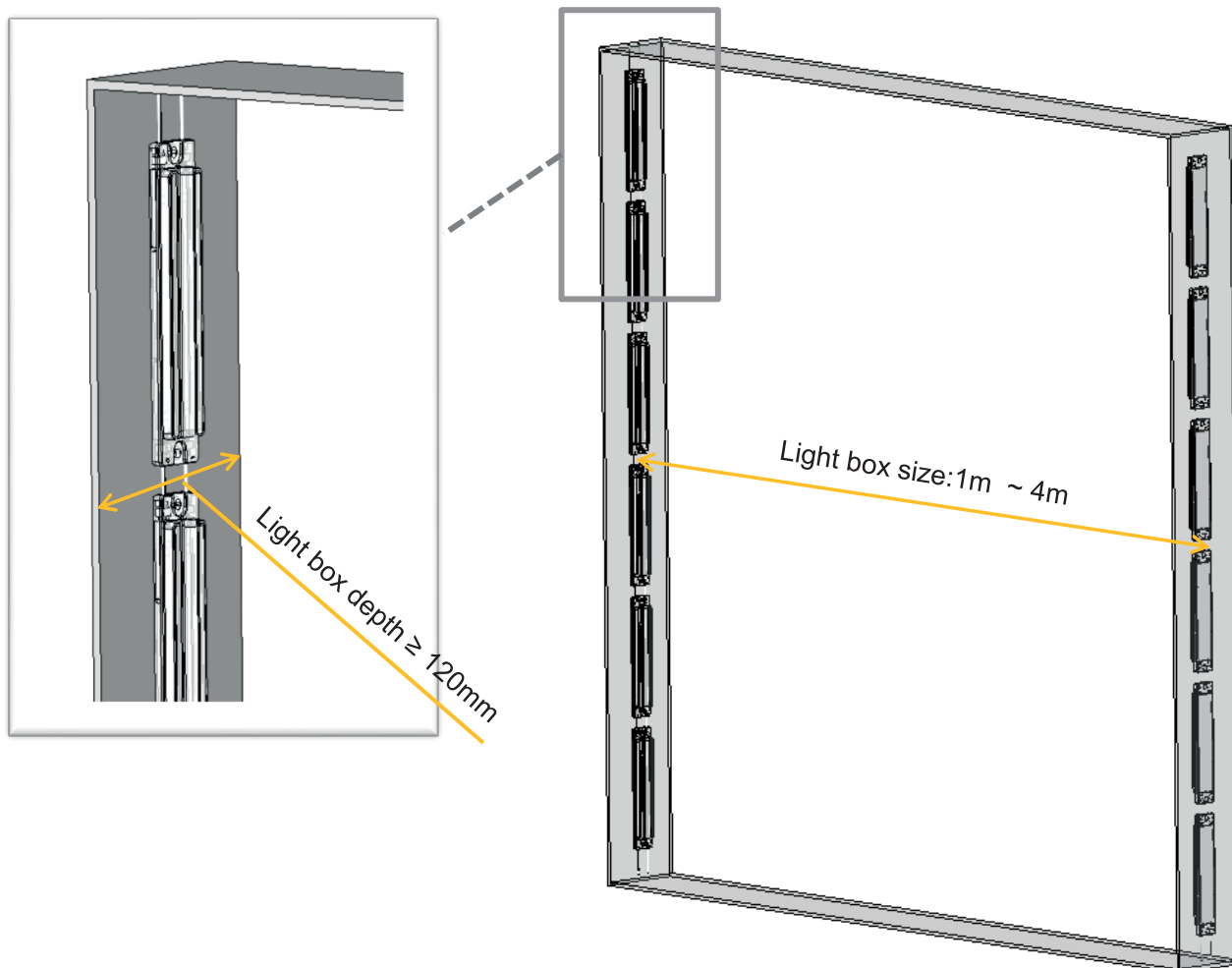
Electrical and Photometrical data

ELECTRICAL DATA	LED MODULE
PART NUMBERS	MNE-6424-CW
Typical Voltage	24V DC
Energy Cons. (W/module)	6.4W
Light color (designation)	Cold white
Color (CCT, wavelength)	6500K
Typical Brightness (lumen/module)	830

Remark:

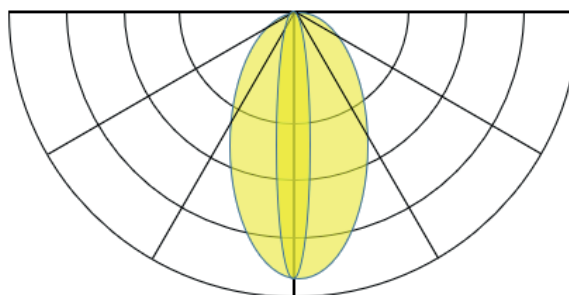
1. Ranking at $t_a = 25^\circ$.
2. Constant current design.
3. Tolerance of measurements for power/lumen are $\pm 10\%$.

Application



Environmental and Application Conditions

Operating Environment (t_a)	-25°C to +55°C
Storage Temperature Range (t_s)	-40°C to +85°C
IP Rating	IP68
Lifetime (L70B50)	7 years
t_c temperature	80°C
Dimming mode	Dimmable
Cutting Resolution	Cut on wire between every module



Beam angle: 15° x 85°

		Depth/cm																							
		12				15				18				20				25				30			
		Illu. lx	Lum. nit	Min./ Ave.	Min./ Max.	Illu. lx	Lum. nit	Min./ Ave.	Min./ Max.	Illu. lx	Lum. nit	Min./ Ave.	Min./ Max.	Illu. lx	Lum. nit	Min./ Ave.	Min./ Max.	Illu. lx	Lum. nit	Min./ Ave.	Min./ Max.	Illu. lx	Lum. nit	Min./ Ave.	Min./ Max.
Lighting distance/cm	120	3763	1129	81.9%	68.2%	3391	1017	85.5%	65.0%	3252	976	86.4%	67.9%	3124	937	86.2%	67.4%	2935	881	86.2%	72.9%	2634	790	87.1%	75.2%
	150	2729	819	76.9%	61.4%	2857	857	78.1%	55.7%	2716	815	80.5%	57.7%	2650	795	79.9%	57.6%	2413	724	81.7%	60.5%	2245	674	82.7%	63.8%
	180	2353	706	70.7%	55.2%	2502	751	70.9%	55.7%	2391	717	72.7%	47.4%	2318	695	76.5%	50.3%	2109	633	77.6%	53.0%	1957	587	79.0%	55.8%
	200	2485	745	63.8%	47.4%	2347	704	66.1%	37.3%	2216	665	71.4%	42.5%	2145	644	69.1%	42.8%	1946	584	75.5%	48.9%	1803	541	79.3%	53.3%
	250	1805	542	58.9%	33.6%	1892	568	63.2%	35.9%	1876	563	63.3%	35.6%	1802	541	65.7%	37.1%	1666	500	68.5%	40.9%	1529	459	70.9%	44.1%
	300		\			1677	503	58.8%	30.2%	1632	490	58.6%	29.5%	1582	475	59.5%	30.9%	1447	434	63.8%	34.3%	1345	403	68.2%	39.1%
	350		\				\			1469	441	52.6%	24.6%	1416	425	52.3%	25.0%	1304	391	59.0%	29.8%	1198	359	62.8%	33.2%
	400		\				\				\			1301	390	50.2%	22.6%	1183	355	52.9%	24.9%	1099	330	59.4%	29.5%
	450		\				\				\				\			1087	326	52.1%	23.2%	1006	302	56.5%	26.5%
	500		\				\				\				\			1036	311	45.9%	19.7%	942	283	52.8%	23.5%
550		\				\				\				\				\			886	266	49.8%	21.3%	
600		\				\				\				\				\			836	251	45.7%	18.7%	

\ Not recommended to use.

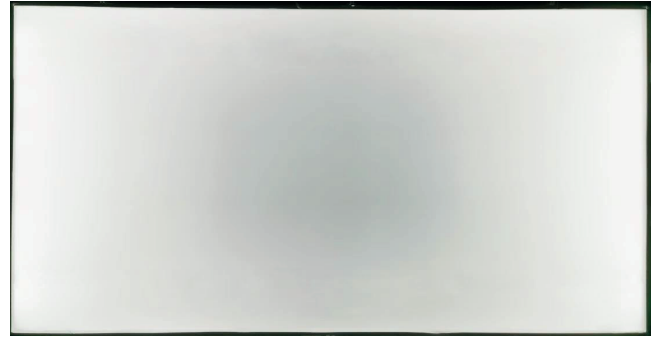
Photograph



Depth:12cm,
Lighting distance:120cm.



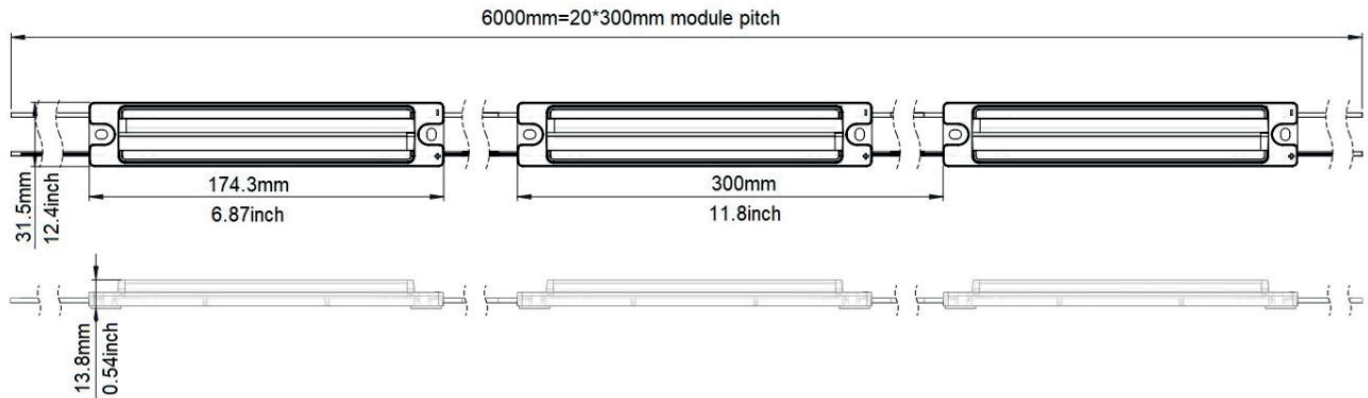
Depth:12cm,
Lighting distance:200cm.



Depth:20cm,
Lighting distance:300cm.

The photograph is for reference only!

Drawing



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).

Declaration

The data listed in this product specification are typical values for reference only, specific parameters are subject to the actual measurement report.

All product illustrations in this product specification are schematic drawings, details are subject to the actual received goods.