

LED Module

M1A

Series



Specification

Working Environment: -40°C~+50°C

Storage Temperature: -40°C~+50°C

Relative humidity: 10%~90%RH

Typical value of pad temperature^[1]: 80°C

IP Rating of LED Light Engine: IP68

Impact Protection Level: IK09

Color Temperature (CCT)^[2]: 3000K, 4000K, 5000K, 5700K

Main Material: Aluminum 6063

Module N.W.: 0.67±0.04 kg

Note:

[1] Typical values of pad temperature is obtained based on the test power 60W
with ambient temperature 25°C.

[2] Efficacy of 3000K is 5% lower than other CCTs.

Features

- Lumileds Luxeon T LED;
- Super long lifetime(Lumen maintenance);
- Multiple lighting distributions available;
- Wide applicability for complex situations;
- High versatility apply for all sorts of lamps retrofit.

Application

- Street lighting retrofit and application;
- Factory lighting retrofit and application;
- Tunnel lighting retrofit and application;
- Sports lighting retrofit and application.

Ordering Information

For example: M1A-VAA-18 -1501-7040-LU

Module Model	Interface	Dimension of LEDS	Wire Material	LED Qty	Lens Model	Ra & CCT	LED Brand	
M1A	V: V-shape Groove	A: 3535	A: CCC+VDE	18 18PCS	1501 Type I Short	1911 Type III Medium	7030: Ra≥70, 3000K	LU: Lumileds SS: Samsung XX: Others
			C: PSE		1502 Type I Short	2701 Type III Medium	8040: Ra≥80, 4000K	
			H: UL		1810 Type I Short	3910 Type III Medium	...	
			X: Other		3100 Type I Short	5703 Type IV Medium		
			3501 Type I Short		3040 Type V Short			
			3702 Type II Medium		1010 110 DEG			
			3010 Tunnel lighting					

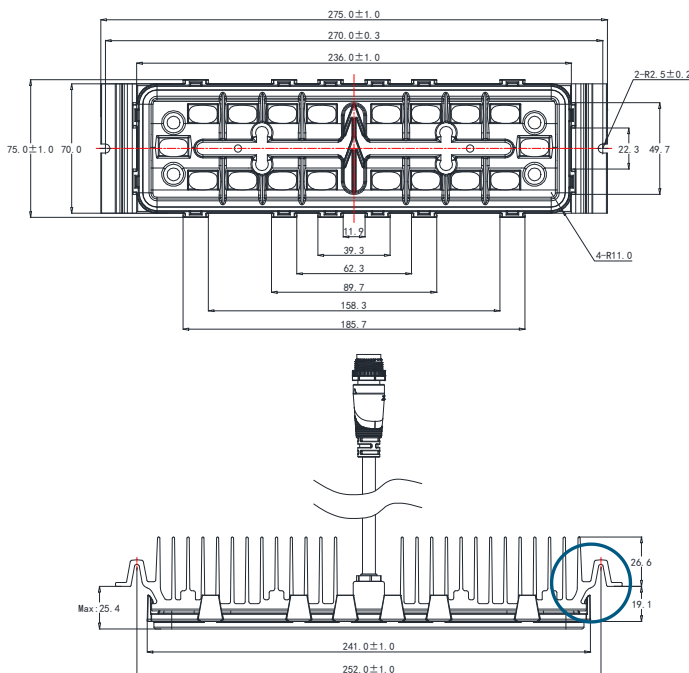
Performance

Model	Power (W)	Driving current (mA)	Input voltage (Vdc)	Efficacy (lm/W)	Lumens (lm)
M1A-VAA	40	700	48~61	137	5480
M1A-VAA	50	860	48~61	130	6500
M1A-VAA	60	1050	48~61	122	7320

Note : Values shown are subject to ±5%~±8% tolerance; Cable default A type;

Efficacy above is based on calculated @92% power efficiency ; Light efficacy of 3000K is 5% lower than other CCTs.

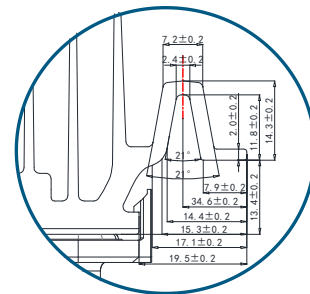
Dimensions



L (mm)	W (mm)	H (mm)
275	75	Max52

The height of the module is the maximum value.

Tolerance: ±0.5mm



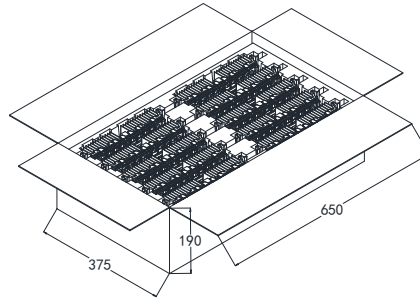
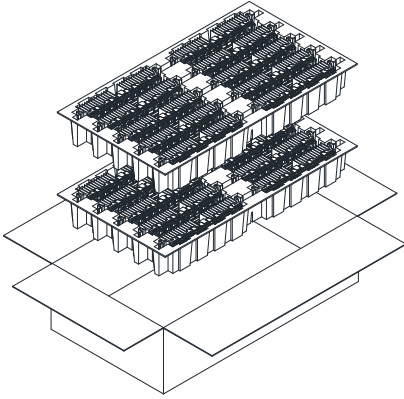
Available Lens Model

1010	1501	1502	1810
1911	2701	3010	5703
3040	3100	3501	3910

Package Information

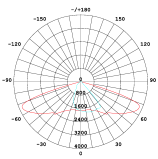
L (mm)	W (mm)	H (mm)	Module pcs/carton (PCS)	Package weight (kg)
650	375	190	20	14.9

Values shown are subject to $\pm 5\%$ tolerance.

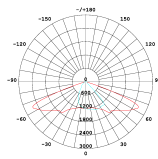


Lighting distributions

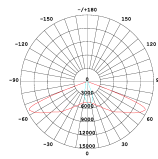
T1S1501



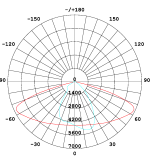
T1S1502 (Vertical)



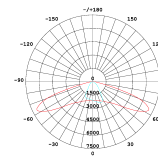
T1S1810



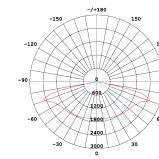
T1S3100



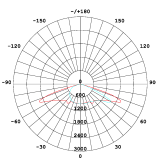
T1S3501



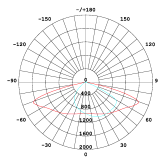
T2M3702



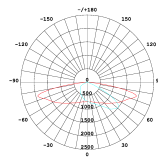
T3M1911(Vertical)



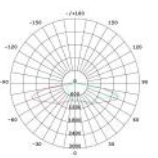
T3M2701



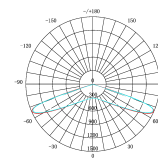
T3M3910



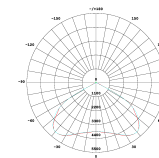
T4M5703



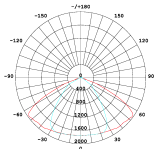
T5S3040



110D1010



Tunnel lighting 3010



Version History

Change Date	Version	Description of Change		
		Item	From	To
20180503	Ver2.0	Data sheets release (new version)	/	/
20190921	Ver2.1	Update of Company logo and package weight ; 1811 lens and 1725 lens canceled.	/	/