



APPLICATION

- Large industrial hall (production, processing, machining....)
- Large indoor area (warehouse, logistic hall, supermarket, sport club, exhibition center...)

SPECIFICATION

Input Voltage:	100 ~ 277Vac
Input Frequency:	50 / 60Hz
Power Factor (PF):	0.95
Surge Protection Level:	10kV line-earth
Operating Environment:	-40°C~ +40°C, 10% ~ 90% RH
Color Temperature (CCT):	3000K, 4000K, 5000K, 5700K
Color Rendering Index (CRI):	≥70
Housing:	Aluminum sheet
IP Rating of LED Light Engine:	IP68
IP Rating of LED Driver:	IP67
Impact Resistance:	IK10
Warranty:	5 Years Limited

FEATURES

Construction

- Whole structure heating dissipation design with efficient thermal conduction, radiation and convection.
- Unique patented IP68 LED light engines.
- Tool-less onsite replacement of light engines greatly reduces maintenance cost.

Electrical

- Flexible to reach desired power consumption by choosing appropriate light engines.

Optical

- Ergonomic and specialized lighting distributions available for various lighting applications.

PHOTOS



FINISHING COLORS

	Silver		White
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ORDERING INFORMATION

Example: : TF7A-4-240-M2A-AA-18-3560-7040-LU-MO-GY

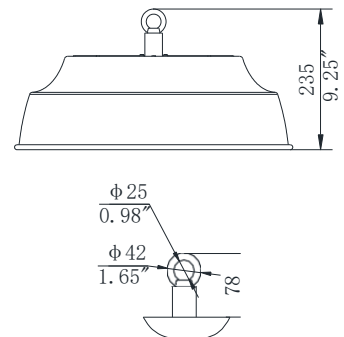
Luminaire Type Qty		Module		System Power			LED Module		LED Package		Cable Standard	LED Qty per Module
TF High bay light	2	2 modules		80	80W		M1A M1A module	A	3535	A CCC+VDE	18 18pcs	
	3	3 modules		100	100 W		M2A M2A module			C PSE		
7A 7A series	4	4 modules		120 150	120 W 150 W		M8B M8B module	C	3030	H. UL I. Others	63 63pcs	
				160 180 200	160 W 180 W 200 W		M16B M16B module	B	5050		18 18pcs 28 28pcs	
				240	240 W							
Lens Code						CRI & CCT		Brand of LEDs		Driver Brand	Housig Color	
1010 110degree						7030	Ra≥70, CCT 3000K	LU	LUMILEDS	MO MOSO	SR Silver	
3040 Type Vs Short						7040 7050 7057	Ra≥70, CCT 4000K Ra≥70, CCT 5000K Ra≥70, CCT 5700K	CM SS NI CR	LUMILEDS Custom ized SAMSU NG NICHIA CREE	IN INVENTRONICS PH PHILIPS MW MEAN WELL XX Others	WH White	
1908 12 degree 3725 25 degree 3540 40 degree	3560 3590 3030	60 degree 90 degree 110x40 Degree										
1325 25 degree 5340 40 degree	5390 1310	90 degree Lambertian type										
2360 60 degree												
3125 25 degree	2114	Type V Short										
3140 40 degree	2040	Type V Short										
3160 60 degree	2212	Type II Short										
2190 90 degree	1113	Type III Short										
2211 90x40 degree	2501	60x60 degree										
2310 Lambertian type	2502	80x80 degree										
3504 80x40 degree	2503	80x50 degree										
3505 70x30 degree												

PERFORMANCE

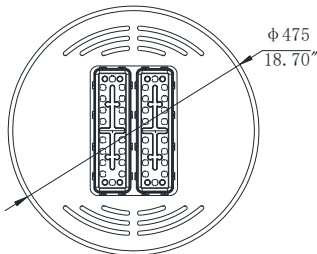
	Power	Module M1A/M2A-VA-18		Module M8B-VC-63		Module M16B-VB-18		Module M16B-VB-28		Model
	(w)	Efficacy (lm/W)	Flux (lm)	Efficacy (lm/W)	Flux (lm)	Efficacy (lm/W)	Flux (lm)	Efficacy (lm/W)	Flux (lm)	
TF7A-2	80	137	10960	140	11200	160	12800	175	14000	
	100	130	13000	135	13500	150	15000	170	17000	
	120	122	14640	127	15240	140	16800	163	19560	
TF7A-3	120	137	16440	140	16800	160	19200	175	21000	
	150	130	19500	135	20250	150	22500	170	25500	
	180	122	21960	127	22860	140	25200	163	29340	
TF7A-4	160	137	21920	140	22400	160	25600	175	28000	
	200	130	26000	135	27000	150	30000	170	34000	
	240	122	29280	127	30480	140	33600	163	39120	

PRODUCT DIMENSION

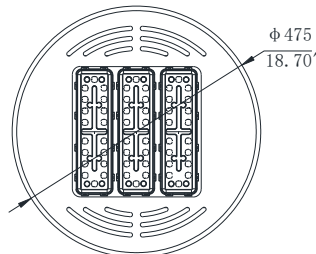
Model	Housing Diameter (mm)	Height (mm)	Ring Diameter (mm)	N.W.(kg)
TF7A - 2	475	235	25	6.3
TF7A - 3	475	235	25	6.8
TF7A - 4	475	235	25	7.7



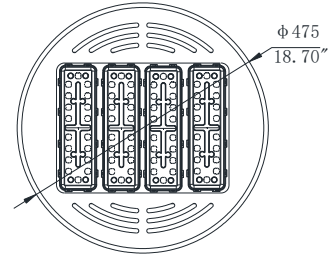
Notes: Typical values above. Tolerance: housing dimensions ± 5 mm; ring diameter ± 0.5 mm; N.W. $\pm 5\%$.



TF7A-2

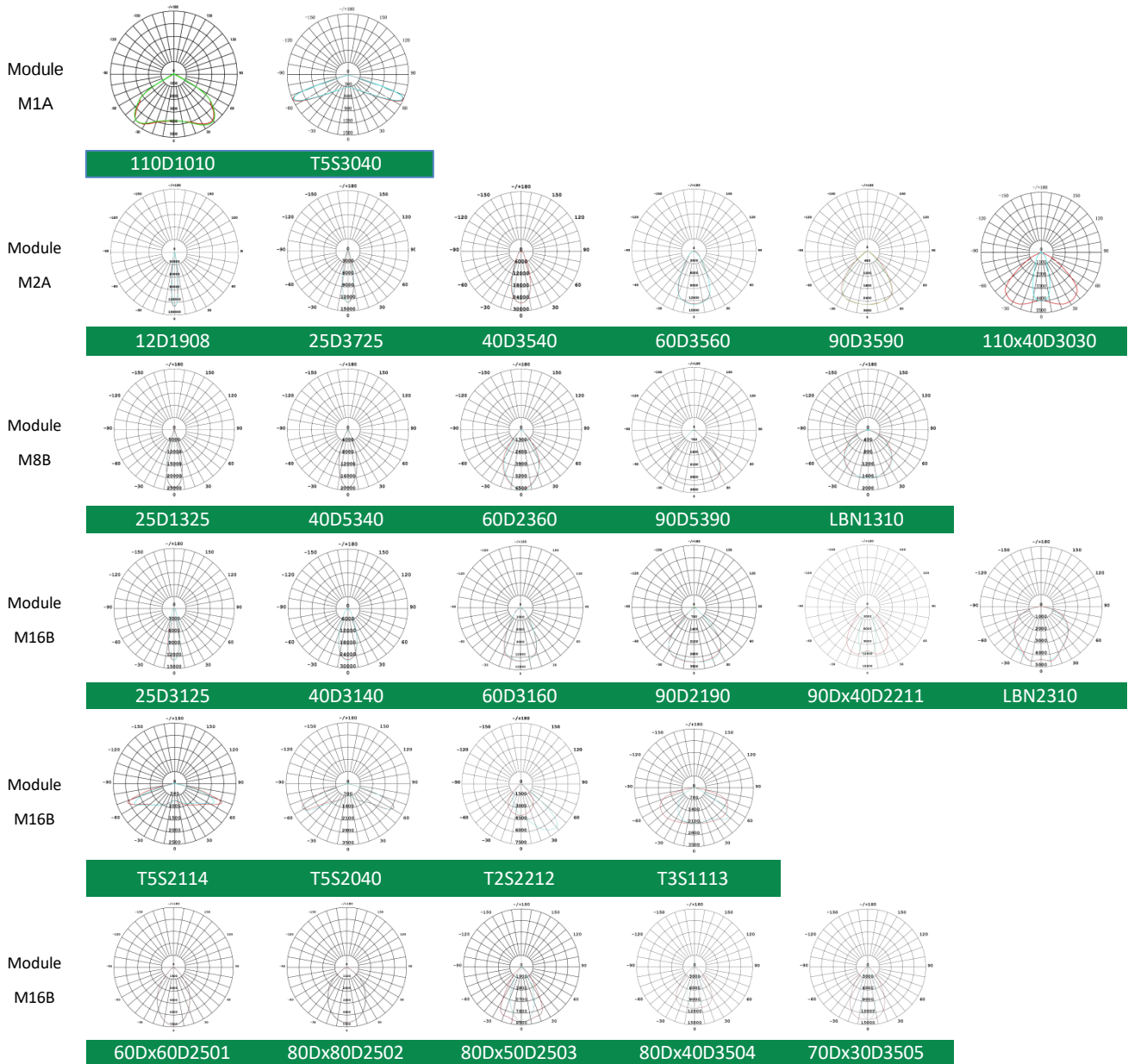


TF7A-3



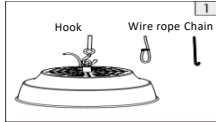
TF7A-4

TYPICAL DISTRIBUTIONS

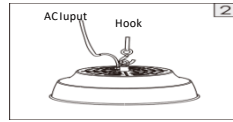


INSTALLATION AND MAINTENANCE

INSTALLATION

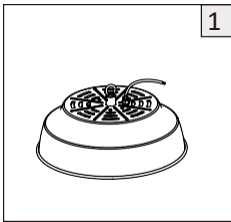


1. Mount the fixture with a hook, a wire rope or a chain through the hoisting ring, and tighten up.

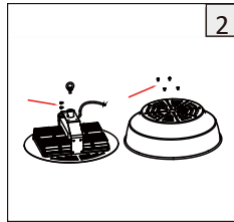


2. Connect the wires to AC input. Make sure it sufficiently grounded.

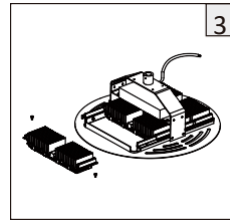
MAINTENANCE



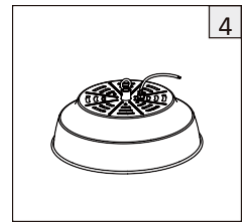
1. Disconnect wires from the power source. Dismount the fixture.



2. Unscrew the hoisting ring, the two screws beneath it, and the four screws on the housing. Loosen the cable terminal. Then remove the housing.

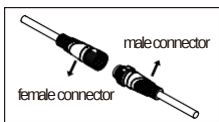


3. Undo the two screws on the ends of the module, and disconnect the cable. Replace with a new module and tighten up.

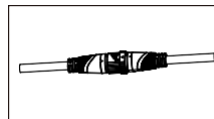


4. Fix the housing back with all the screws and hoisting ring. Tighten up the cable terminal.

CABLE CONNECTORS



1. Connect the male and female connectors by aligning the indicative arrow on them.



2. Hold the nut on one terminal still, meanwhile, rotating clockwise till the one on the other terminals is tightened up. Otherwise the waterproof performance might be affected.

WIRING

Power Supply End	Earth wire	Neutral wire	Live wire
Fixture End	Yellow-green lead	Blue lead	Brown lead
	Green lead	White lead	Black lead

CAUTION

- a. Disconnect or turn off power before installation, maintenance and wiring.
- b. Cable connection must be insulated and waterproof.
- c. For luminaires with glass cover: the cover is made of tempered glass which shatters into small pieces without sharp edges when it breaks.
Application condition: -30°C~100°C; maximum temperature rise $\Delta t 60^{\circ}\text{C}$.
- d. The light source of this luminaire is not replaceable. When the light source's lifetime comes to an end, it is the whole luminaire that should be replaced.

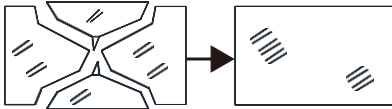
Warning: Danger! Electric shock risk!

(via IEC 60417-6042 (2011-11))

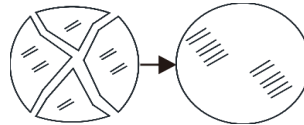


For luminaires with glass cover: The broken cover should be replaced.

Rectangle



Round



The luminaire shall be installed by a qualified electrician and wired in accordance with the latest IEE electrical regulations or the national requirements.



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling

REMARKS

1. This luminaire uses permanent connection on power supply with flexible cable and wires (60245 IEC57). Sufficient length of cable is reserved for connection to AC power. Protection over the connection joint and elimination of tensile force there should be ensured.
2. This luminaire uses type Z attachment: the external flexible cable or cord of this luminaire cannot be replaced; if the cord is damaged, the luminaire shall be destroyed.
3. Wiring: the connection to AC power should be operated on terminal blocks in a wiring box with a degree of protection at least equivalent to the luminaire, and there should be devices to fixate wires.
4. The luminaire can be mounted onto ordinary combustible surfaces.