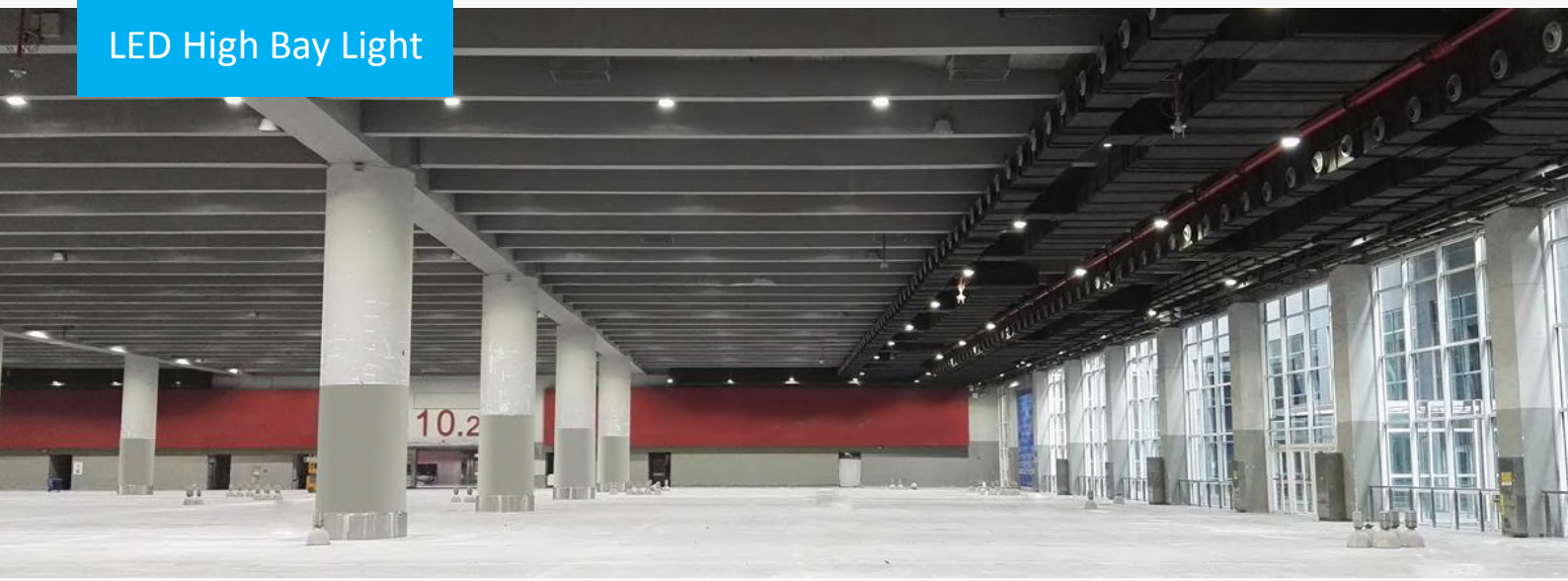
TF7A

LED High Bay Light



Specifications

Input Voltage:	100 ~ 277Vac
Input Frequency:	50 / 60Hz
Power Factor (PF):	0.95
Surge Protection Level:	10kV line-earth
Operating Environment:	-40℃~ +40℃, 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

Finishing Colors

Silver White

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.

Applications

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

Photos

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HPWINNER Smart Factory

TF7A

LED High Bay Light

Ordering Information

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

Luminaire Type	Module Qty	System Power	LED Module	LED Package	Cable Standard	LED Qty per Module
TF High bay light **7A** 7A series	**2** 2 modules **3** 3 modules **4** 4 modules	**80** 80W **100** 100W **120** 120W **150** 150W **160** 160W **180** 180W **200** 200W **240** 240W	**M1A** M1A module **M2A** M2A module **M8B** M8B module **M16B** M16B module	**A** 3535 **C** 3030 **B** 5050	**A** CCC+VDE **C** PSE **H** UL **X** Others	**18** 18pcs **63** 63pcs **18** 18pcs **28** 28pcs

Lens Code		CRI & CCT	Brand of LEDs	Driver Brand	Housing Color
1010 110degree **3040** Type Vs Short		**7030** Ra≥70, CCT 3000K **7040** Ra≥70, CCT 4000K **7050** Ra≥70, CCT 5000K **7057** Ra≥70, CCT 5700K	**LU** LUMILEDS **CM** LUMILEDS Customized **SS** SAMSUNG **NI** NICHIA **CR** CREE **LN** LUMINUS **XX** Others	**MO** MOSO **IN** INVENTRONICS **PH** PHILIPS **MW** MEAN WELL **XX** Others	**SR** Silver **WH** White
1908 12 degree **3725** 25 degree **3540** 40 degree	**3560** 60 degree **3590** 90 degree **3030** 110x40 degree				
1325 25 degree **5340** 40 degree **2360** 60 degree	**5390** 90 degree **1310** Lambertian type				
3125 25 degree **3140** 40 degree **3160** 60 degree **2190** 90 degree **2211** 90x40 degree **2310** Lambertian type **3504** 80x40 degree **3505** 70x30 degree	**2114** Type V Short **2040** Type V Short **2212** Type II Short **1113** Type III Short **2501** 60x60 degree **2502** 80x80 degree **2503** 80x50 degree				

Performance

Model	Power (W)	Module M1A/M2A-VA-18		Module M8B-VC-63		Module M16B-VB-18		Module M16B-VB-28	
		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

Note: 1. Values shown are subject to ±5%~±8% tolerance.
2. Efficacy of Ra70 3000K is 5% lower than other CCT≥4000K.

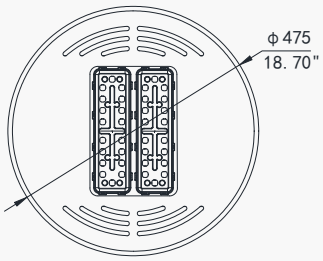
TF7A

LED High Bay Light

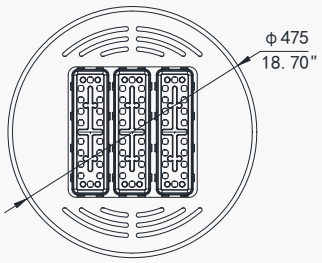
Product Dimensions

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 ±5mm; ring diameter ±0.5mm; N.W. ±5%.



TF7A-2



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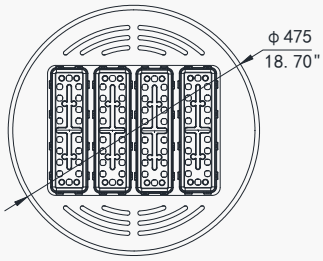

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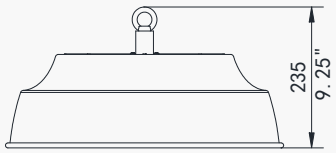

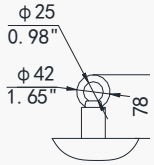

Package Information

Model	L (mm)	W (mm)	H (mm)	G.W. (kg)
TF7A-2	550	550	285	8.4
TF7A-3	550	550	285	8.9
TF7A-4	550	550	285	9.8

Notes: Typical values above. Tolerance: carton dimensions ±5mm; G.W. ±5%..

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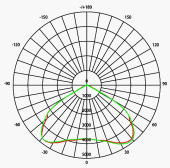
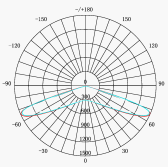
TF7A

LED High Bay Light

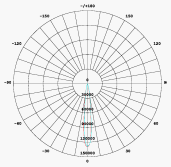
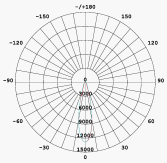
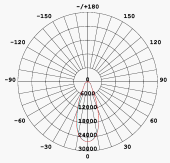
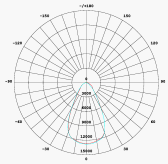
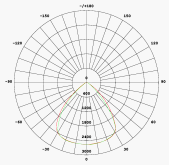
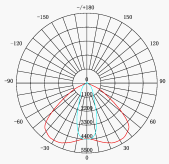
Typical Distributions

Module M1A

110D1010	T5S3040

Module M2A

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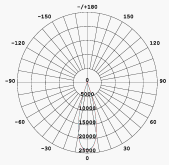
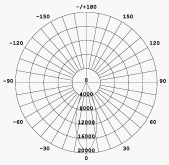
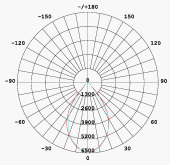
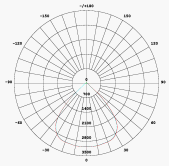
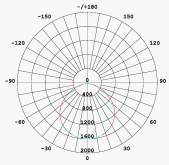
Module M8B

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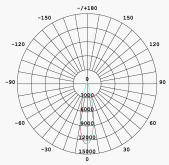
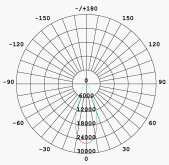
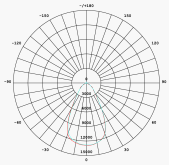
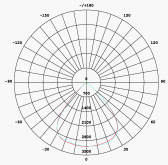
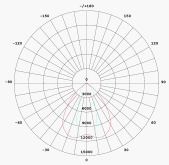
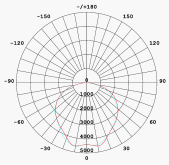
Module M16B

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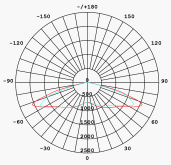
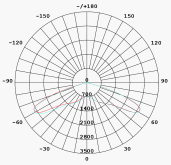
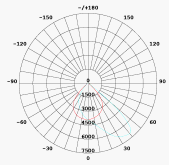
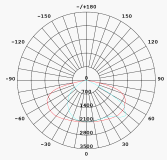
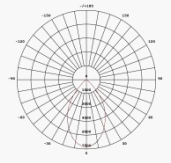
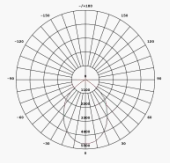
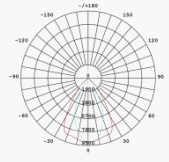
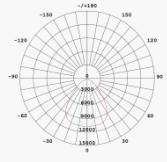
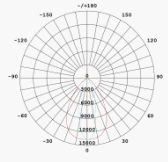
Module M16B

T5S2114	T5S2040	T2S2212	T3S1113

Module M16B

60Dx60D2501	80Dx80D2502	80Dx50D2503	80Dx40D3504	70Dx30D3505

Version History

Change Date	Version	Description of Change		
		Item	From	To
2017/03/09	Rev1.0	Datasheets release		
2019/09/03	Ver2.0	New format	/	/
		Efficacy upgrade	/	/
		New lighting distributions added	/	/
		Working temperature	-40℃~ +50℃	-40℃~ +40℃