



APPLICATIONS

Tunnel lighting (tunnel, underpass, corridor....)

SPECIFICATION

Input Voltage:	100 ~ 277Vac
Input Frequency:	50 / 60Hz
Power Factor:	0.95
Surge Protection Level:	10kV line-earth
Working Environment:	-40°C~ +50°C, 10% ~ 90% RH
CCT:	3000K-5700K
CRI:	≥70
Housing	Extrusion, Galvanized Steel
IP Rating of LED Light Engine	IP68
IP Rating of LED Driver:	IP67
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.

Mounting

- Bracket adjustable within ±180° maximum.

FINISHING COLORS

	Gray		Black
	White		Dark Gray

PHOTOS



ORDERING INFORMATION

Example: TS2C-3-180-M8B-CA-63-1390-7040-LU-MO-GY

Luminaire Type	Module Qty	System Power	LED Module	LED Package	Cable Standard	LED Qty per Module
TS Tunnel light 2C 2C series	1 1 module	40 40W	M1A M1A module	A 3535	A C H X	18 18pcs
	2 2modules	50 50W	M2A M2A module			
	6 6 modules	60 60W	M8B M8B module	C 3030		
	7 7 modules	420 420W	M16B M16B module	B 5050		
					Others	63 63pcs
						18 18pcs 28 28pcs

Lens Code	CRI & CCT	Brand of LEDs	Driver Brand	Housing Color
1501 Type I Short	1010 110degree	7030 Ra≥70, CCT 3000K	LU LUMILEDS	MO MOSO
3501 Type I Short	3010 Tunnellighting	7040 Ra≥70, CCT 4000K	CM LUMILEDS	IN INVENTRONICS
3100 Type I Short		7050 Ra≥70, CCT 5000K	Customized	PH PHILIPS
		7057 Ra≥70, CCT 5700K	SS SAMSUNG	MW MEAN WELL
3590 90 degree		NI NICHIA	XX Others	
2321 Type II Short	1310 Lambertian type	CR CREE		
1324 Type II Short	1390 Tunnellighting	LN LUMINUS		
5390 90 degree		XX Others		
1107 Type I Short	2310 Lambertian type			
2105 Type II Short	2123 Tunnellighting			
2190 90 degree				

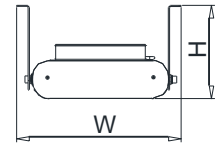
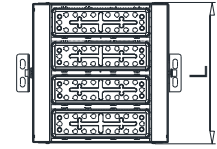
PERFORMANCE

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)
TS2C-1	40	130	5200	135	5400	152	6080	168	6720
	50	122	6100	130	6500	145	7250	163	8150
	60	117	7020	122	7320	133	7980	155	9300
TS2C-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
TS2C-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
TS2C-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
TS2C-5	200	137	27400	140	28000	160	32000	175	35000
	250	130	32500	135	33750	150	37500	170	42500
	300	122	36600	127	38100	140	42000	163	48900
TS2C-6	240	137	32880	140	33600	160	38400	175	42000
	300	130	39000	135	40500	150	45000	170	51000
	360	122	43920	127	45720	140	50400	163	58680
TS2C-7	280	137	38360	140	39200	160	44800	175	49000
	350	130	45500	135	47250	150	52500	170	59500
	420	122	51240	127	53340	140	58800	163	68460

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

PRODUCT DIMENSIONS

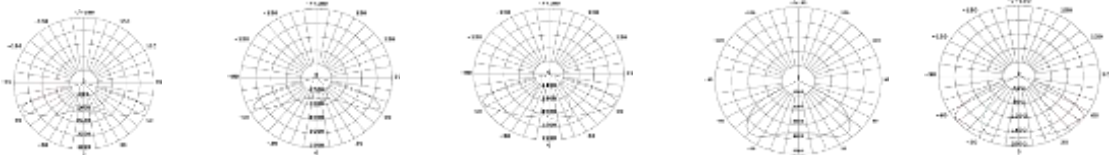
MODEL	L (mm)	W (mm)	H (mm)	N.W. (kg)
TS2C-1	95	390	220	3.3
TS2C-2	175	390	220	4.8
TS2C-3	255	390	220	5.6
TS2C-4	335	390	220	6.7
TS2C-5	415	390	280	8.4
TS2C-6	495	390	280	9.4
TS2C-7	575	390	280	10.5



Notes: Typical values above. Actual N.W. is subject to tolerance of 5%. Dimension tolerance: ±5mm

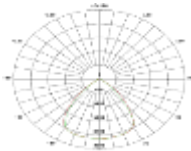
TYPICAL DISTRIBUTIONS

Module
M1A



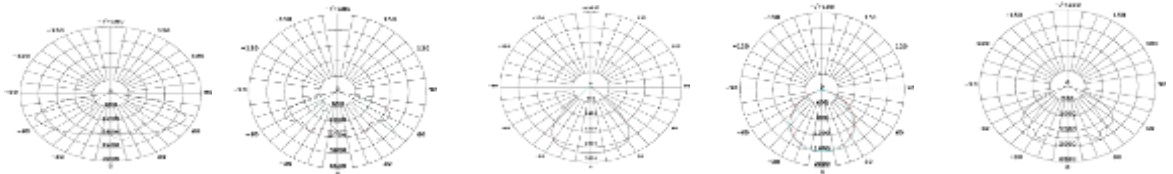
T1S1501 T1S3501 T1S3100 110D1010

Module
M2A



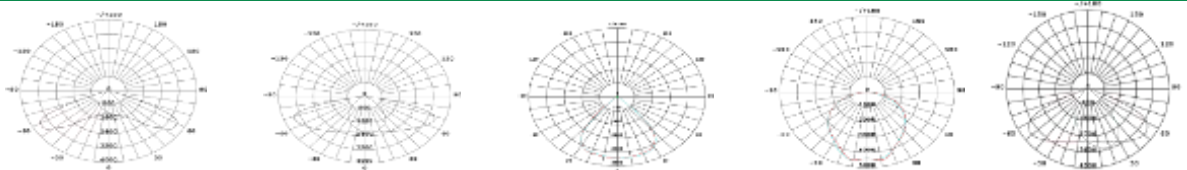
90D3590

Module
M8B



T2S2321 T2S1324 90D5390 LBN1310 TL1390

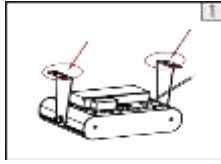
Module
M16B



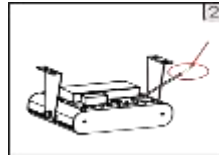
T1S1107 T2S2105 90D2190 LBN2310 TL2123

INSTALLATION AND MAINTENANCE

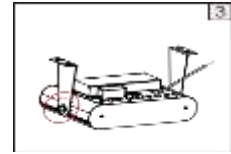
INSTALLATION



1. Fix the luminaire to the mounting surface. (recommend M10 screws)



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

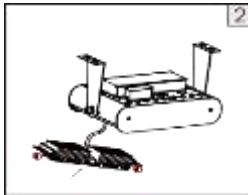


3. Loosen the screws at sides to adjust the mounting angle of brackets, then tighten the screws up.

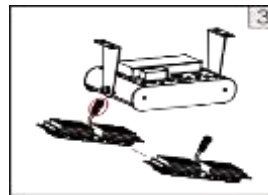
MAINTENANCE



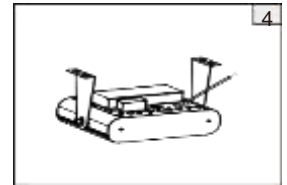
1. Undo the two screws to remove the side boards.



2. Undo the screws on both ends of the failed module.

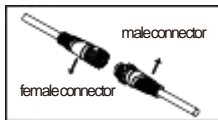


3. Disconnect the failed module from cable connectors.



4. Replace with a new module. Tighten up its screws and connectors. Install the side boards back.

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.

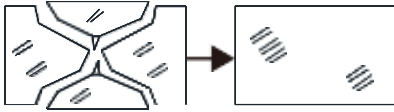
Warning: Danger! Electric shock risk!

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

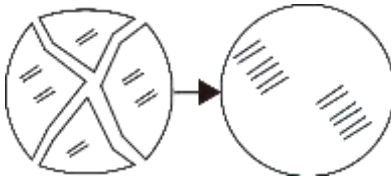


For luminaires with glass cover: The broken cover should be replaced.

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.