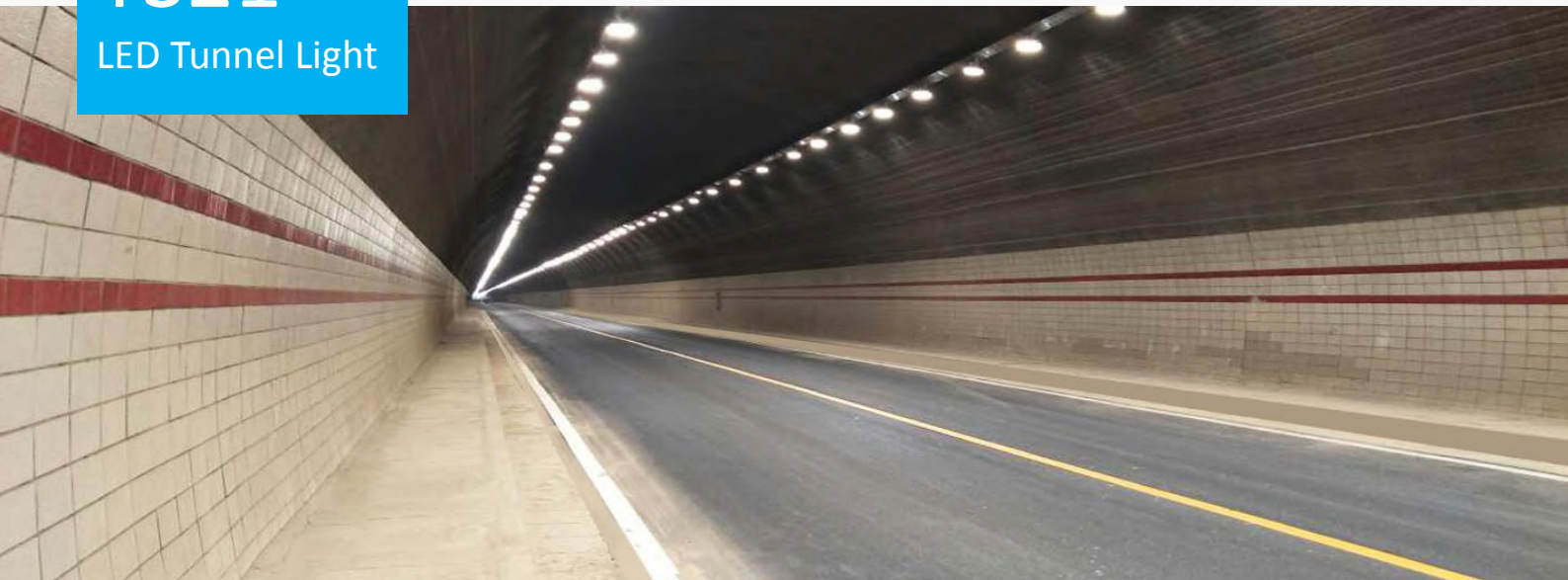


TS21

LED Tunnel Light





Specifications

Input Voltage:	100 ~ 277Vac
Input Frequency:	50 / 60Hz
Power Factor:	0.90
Surge Protection Level:	10kV line-earth
Working Environment:	-40°C ~ +50°C, 10% ~ 90% RH
CCT:	3000K, 4000K, 5000K, 5700K
CRI:	≥70
Housing:	Die-cast Aluminum
IP Rating of LED Light Engine:	IP68
IP Rating of Luminaire:	IP67
	*IP66 with tempered glass
Warranty:	5 Years Limited

Applications

- Tunnel Lighting
(Tunnel, underpass, corridor....)

Finishing Colors

 Gray	 Black
 White	 Blue

Features

Construction

- Die-cast aluminum housing.
- Unique patented IP68 LED light engines.
- Whole structure heating dissipation design with best thermal conduction and radiation.
- IP67 rated luminaire.
- Tempered glass cover available as optional choice

Distribution

- Ergonomic and dedicated lighting distributions.

Mounting

- Brackets adjustable in $\pm 60^\circ$ in step of 10° .
- U-shaped mounting bracket available as optional choice.

Photos



TS21C/D/E

LED Tunnel Light

Ordering Information

Example: TS21C-N2-100-CA-63-1392-7040-LU-SS-BK

Luminaire Type	Module Qty.	System Power	LED Package	Cable Standard	LED Qty per Module
TS Tunnel light	N2 2 engines N3 3 engines N4 4 engines	80 80W 100 100W 120 120W 240 240w	C 3030	A CCC+VDE C PSE H UL X Others	45 45pcs 63 63pcs
21C 21C series 21D 21D series 21E 21E series					
Lens Code	CRI & CCT	Brand of LEDs	Driver Brand	Housing Color	
2340 Type I Short 1392 Tunnel lighting	7030 Ra≥70, CCT 3000K 7040 Ra≥70, CCT 4000K 7050 Ra≥70, CCT 5000K 7057 Ra≥70, CCT 5700K	LU LUMILEDS XX OTHER	SS SOSEN IN INVENTRONICS MO MOSO XX OTHER	BK Black WH White BU Blue GY Gray	

Performance

Model	Power (W)	LED Qty (pcs)	3030 LEDs	
			Efficacy (lm/W)	Flux (lm)
TS21C-N2	80	45*2	127	10,160
	100	63*2	135	13,500
	120	63*2	127	15,240
TS21D-N3	120	63*3	140	16800
	150	63*3	135	20250
	180	63*3	127	22860
TS21E-N4	180	63*4	137	24660
	200	63*4	135	27000
	240	63*4	127	30480

Notes 1: Above values are calculated based on the product with CRI≥7 and CCT over 3000K, values of CCT 3000K are 5% lower than above values.

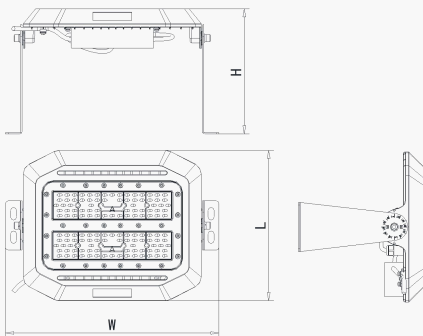
Notes 2: Values shown are subject to ±5%~±8% tolerance.

Notes 3: With optional tempered glass cover, efficacy drops by around 8%.

Dimensions

Model	L (mm)	W (mm)	H (mm)	N.W.* (kg)
TS21C	275	430	230	3.1
TS21D	375	430	230	5.3
TS21E	450	430	270	6.1

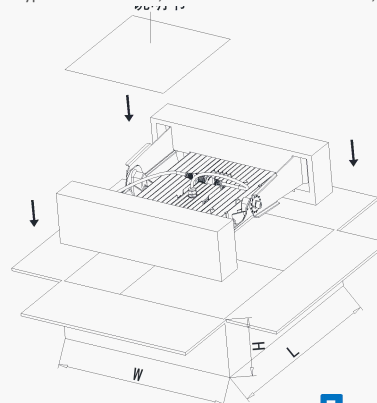
Notes: Typical values above, tolerance: dimensions ±5mm; N.W. ±5%



Package Information

Model	L (mm)	W (mm)	H (mm)	G.W.* (kg)
TS21C	460	385	155	4.0
TS21D	470	430	155	6.3
TS21E	505	470	155	7.1

Notes: Typical values above, tolerance: dimensions ±5mm; G.W. ±5%



TS21C/D/E

LED Tunnel Light

Accessories

TS21C/D/E Tempered Glass Cover



U-shaped Mounting Bracket



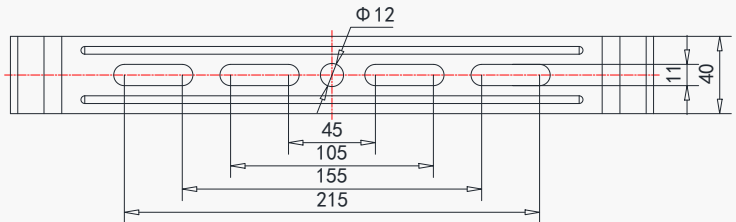
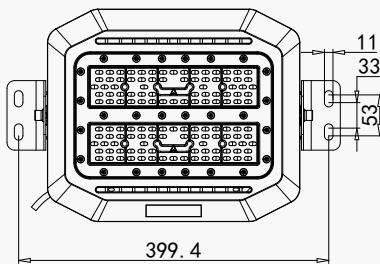
Installation Bracket

Model

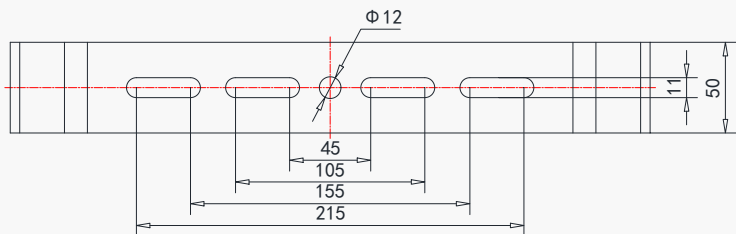
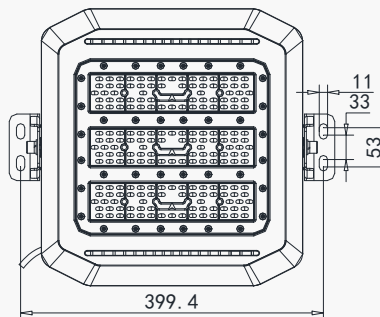
Standard: L-shaped Bracket

Optional: U-shaped Bracket

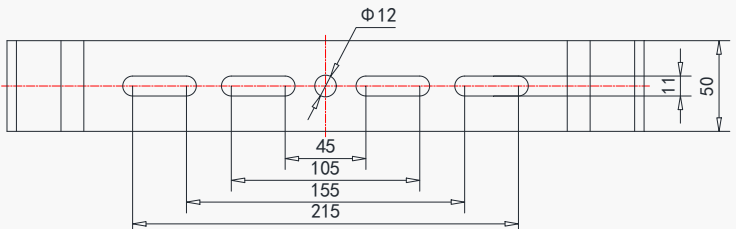
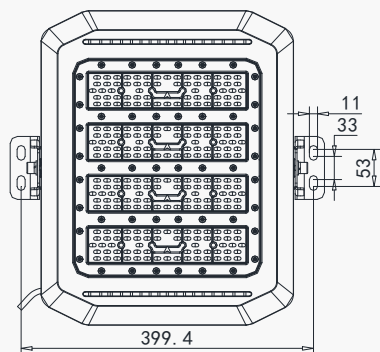
TS21C



TS21D



TS21E

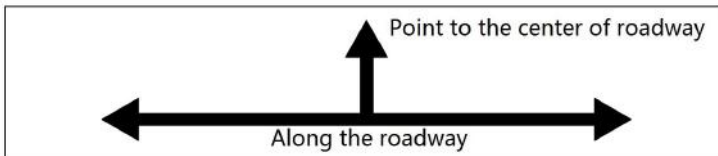


TS21C/D/E

LED Tunnel Light

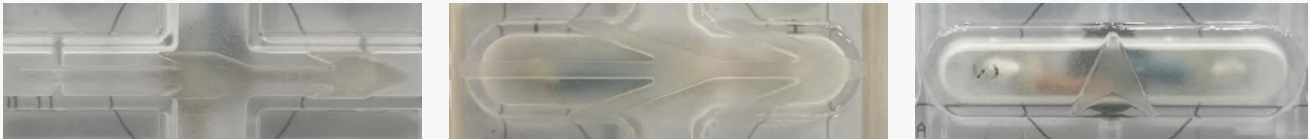
Mounting Direction Instructions

1. If there are arrows like below on the fixture, follow the direction of the arrow in the middle as pointing to the center of the roadway instead of borders.

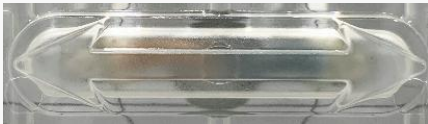


2. If there is no figure of arrows like above on the fixture, check arrows on LED module lenses.

2.1. When there is only one arrow direction on the lens, follow the direction of arrows as pointing to the center of roadway instead of borders.

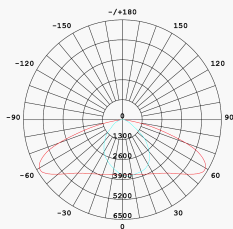


2.2. When there are opposite arrows on the lens, follow the direction as arrows being along the roadway.

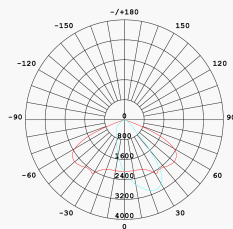


3. If there is no figure of arrow on LED module lens, it is a symmetric lighting distribution solution. No particular direction. Only adjust the brackets

Distributions



T1S2340



TL1392

TS21C/D/E

LED Tunnel Light

Version History

Change Date	Version	Item	Description of Change	
			From	To
2018/05/29	Ver. 2.0	Datasheets release		
2018/10/18	Ver. 2.1	IP rating of Luminaire with optional tempered glass		IP66
2018/12/14	Ver. 2.2	LED quantity and layout; luminous efficacy and flux		See data above
2019/08/26	Ver2.3	TS21D, TS21E Company logo update Surge protection	6KV	New products release Update 10KV line earth
2019/11/04	Ver2.4	Mounting Direction Instructions		added
2020/06/01	Ver2.5	TS21C product dimensions	390*275*230mm	430*275*230mm
		TS21C G.W.	3.8kg	4.0kg
		TS21C package dimensions	405*365*150mm	460*385*155mm
		Mounting screw holes	TS21C different	TS21C, TS21D, TS21E unified