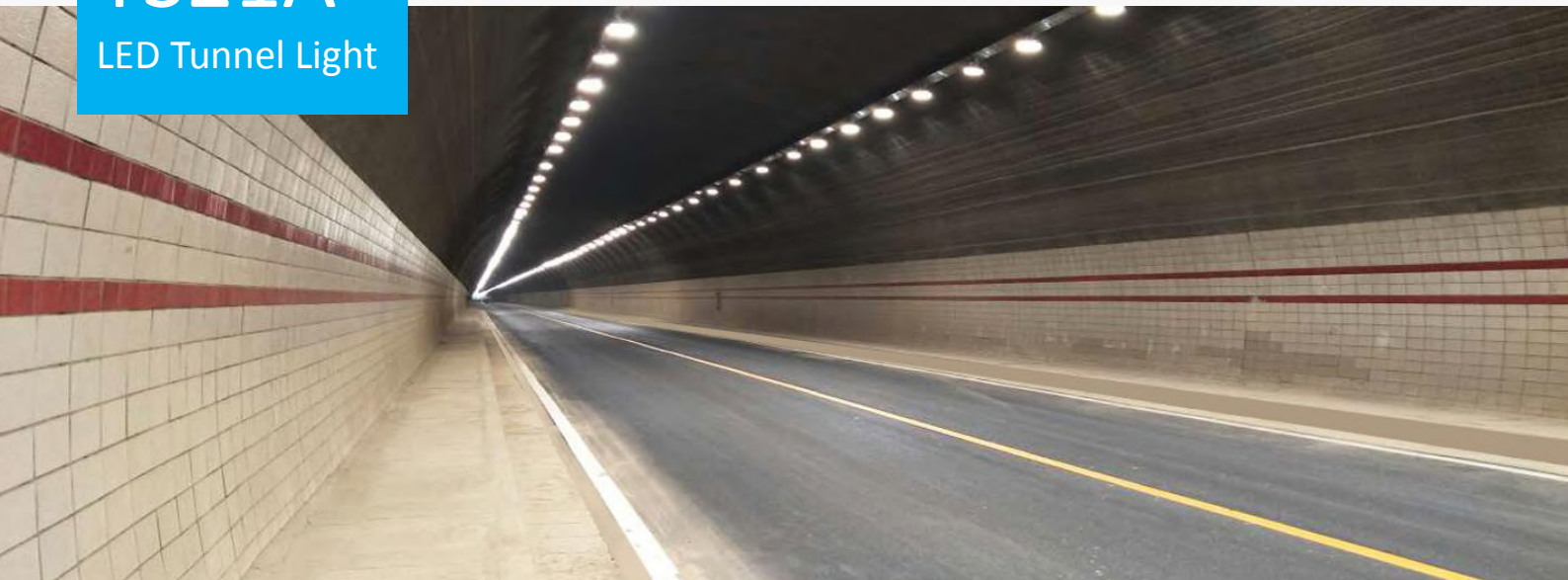


TS21A





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

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.
- Optional tempered glass cover.

Distribution

- Ergonomic and dedicated lighting distributions are available for various roadway applications.

Mounting

- L-shaped brackets adjustable in $\pm 60^\circ$ by step of 10° .
- Optional U-shaped mounting bracket.

Applications

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

Photos



TS21A

LED Tunnel Light

Ordering Information

Example: TS21A-N1-30-AA-12-1616-7040-LU-SS-BK

Luminary Type	Module Qty.	System Power	LED Package	Cable Standard	Qty of LEDs			
TS Tunnel light	N1 1 module	20 20W	A 3535	A CCC+VDE	12 12pcs			
21A 21A series		30 30W	C 3030	C PSE	20 20pcs			
		40 40W		H UL	30 30pcs			
				X Other	36* 36pcs			
Lens Code		CRI & CCT		Brand of LEDs	Driver Brand	Housing Color		
1616 Tunnel lighting		7030 Ra≥70, CCT 3000K	LU LUMILEDS	SS SOSEN	BK Black			
1415 Type II Short		7040 Ra≥70, CCT 4000K				SS Samsung	XX OTHER	WH White
5311 Lambertian Type		7050 Ra≥70, CCT 5000K						
1617 Tunnel lighting		7057 Ra≥70, CCT 5700K					GY Gray	

Notes: 36pcs-LEDs solution is only available for lens 1617.

Performance

Model	Power (W)	Module M6A-VA			Module M6A-VC		
		LED Qty (pcs)	Efficacy (lm/W)	Flux (lm)	LED Qty (pcs)	Efficacy (lm/W)	Flux (lm)
TS21A	20	/	/	/	20	117	2340
	30	12	112	3360	30	117	3510
	40	12	107	4280	36	117	4680

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.

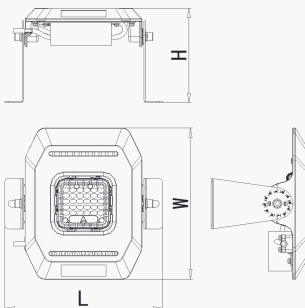
Notes 2: Values shown are subject to ±5%~±8% tolerance.

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

Dimensions

Model	L (mm)	W (mm)	H (mm)	N.W.* (kg)
TS21A	260	240	150	1.3

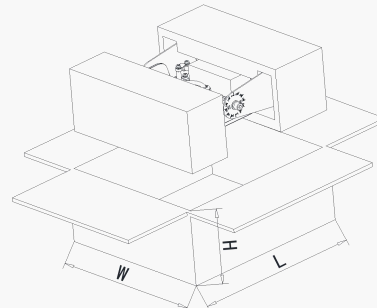
Notes: Typical values above, subject to tolerance of ±5mm on dimensions



Package Information

Model	L (mm)	W (mm)	H (mm)	G.W.* (kg)
TS21A	305	280	130	1.7

Notes: Typical values above, subject to tolerance of ±5mm on dimensions.



TS21A

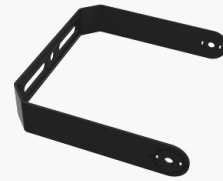
LED Tunnel Light

Accessories



TS21A Tempered Glass

Notes: with tempered glass, protection rating IP66, luminous efficacy decreases by 8%.



TS21A U-shaped Mounting Bracket

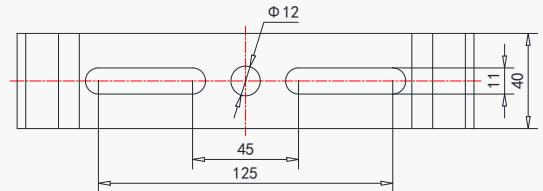
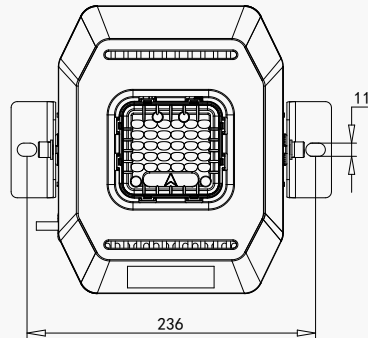
Mounting Holes Dimensions

Model

Standard: L-shaped Bracket

Optional: U-shaped Bracket

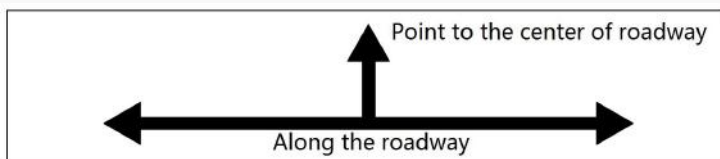
TS21A



Notes: Typical values above, subject to tolerance of $\pm 0.5\text{mm}$ on dimensions

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.

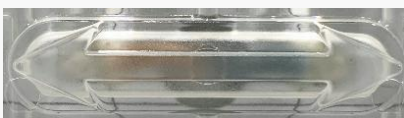


2. If there is no figure of arrows like above on the fixture, check arrows on LED module lenses.

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

TS21A

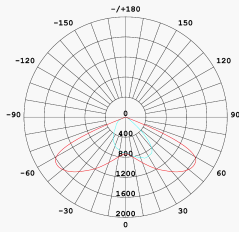
LED Tunnel Light
brackets.

TS21A

LED Tunnel Light

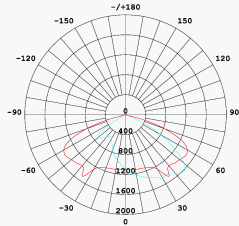
Distributions

Module
M6A-VA

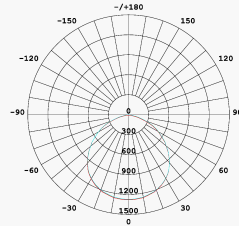


TL1616

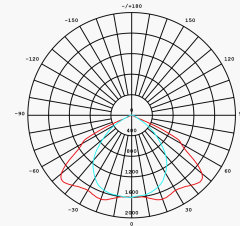
Module
M6A-VC



T2S1415



LBN5311



TL1617

Version History

Change Date	Version	Item	Description of Change	
			From	To
2019/02/26	Ver. 1.0	Datasheets release	/	/
2019/09/24	Ver1.1	Company logo		update
2019/10/14	Ver1.2	Dimensions of optional U-shaped bracket		added
2019/11/04	Ver1.3	New solution: 36pcs LEDs, Lens 1617		added
		Mounting Direction Instruction		added
2020/06/01	Ver1.4	Product dimensions	250*240*150	260*240*150
		Package dimensions	315*280*140	305*280*130