

TS29B Series

LED Tunnel Light



Specifications

Input Voltage^[2]:	100 ~ 277Vac
Input Frequency^[2]:	50 / 60Hz
Power Supply Efficiency^[2]:	86~92%
Power Factor (PF)^[2]:	0.95
Surge Protection Level^[2]:	≥10 kV (Line–Earth)
Operating Environment^[3]:	-40℃~+50℃ (@220Vac), 10%~90%RH
Storage Environment:	-40℃~ +50℃, 10%~90%RH
Protection Against Electric Shock:	Class I
CCT:	3000K, 4000K, 5000K, 5700K
CRI:	Ra≥70
IP Rating of Luminaire:	IP66/IP67
IK Rating:	IK08
Main Housing:	Extruded aluminum, tempered glass
Luminaire Color:	Silver housing; sheet-metal components in Gray (RAL 7045)

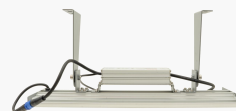
Applications

- Tunnel Lighting
- Culvert lighting

Features

- IP68 optical compartment, providing a reliable and stable operating environment for LED components
- The light-emitting surface uses tempered glass, enhancing protection while allowing easy cleaning and maintenance
- Adjustable mounting angle up to ±90°
- Rectangular housing design enables continuous linear lighting
- Customized ergonomic light distribution solutions deliver uniform tunnel illumination
- High-quality surface treatment for premium durability & finish^[1]

Photos



Note:

- [1] The product's specialized treatment allows for reliable performance in challenging conditions, including coastal regions, and other unique environment.
- [2] Electrical parameters may vary depending on the selected driver brand and configuration; the values listed above are typical.
- [3] The operating ambient temperature range is -40° C to +40° C for input voltages of 100 – 200 Vac, and -40° C to +50° C for input voltages of 200 – 277 Vac.

Ordering Information

Example: TS29B10P050-BA-32-6111-7040-HP-MO-SR

Luminary Type	System Power		LEDs Type		Cable Type		Qty. of LEDs per Module	
TS29B10	P050	50W	B	5050	A	CCC+VDE	32	32 pcs
TS29B15	P060	60W	C	3030	X	OTHER	36	36 pcs
TS29B20	...	...					...	...
TS29B25	P250	250W					352	352 pcs

Lens Code ^[1]		CRI&CCT		Brand of LEDs		Driver Brand		Housing Color ^[2]	
6110	Tunnel Light-1	7030	Ra≥70, 3000K	LU	LUMILEDS	IN	INVENTRONICS	SR	SILVER
6111	Tunnel Light-2	7040	Ra≥70, 4000K	HP	HPWINNER	MO	MOSO		
6112	Tunnel Light-3	7050	Ra≥70, 5000K	XX	OTHER	XX	OTHER		
6113	Tunnel Light-4	7057	Ra≥70, 5700K						

Note:

[1] Refer to Appendix 1 for detailed light distribution curves.

[2] The main extruded housing is silver, while all other sheet-metal components are Gray (RAL 7045).

Performance

Model	Power (W)	3030 LEDs			5050 LEDs		
		Qty. of LEDs (pcs)	Efficacy (lm/W)	Lumens (lm)	Qty. of LEDs (pcs)	Efficacy (lm/W)	Lumens (lm)
TS29B10	50	90	145	7250	32	155	7750
	60	108	145	8700	36	155	9300
	70	126	145	10150	42	155	10850
	80	126	145	11600	42	155	12400
	100	135	140	14000	54	155	15500
TS29B15	120	168	145	17400	66	155	18600
	150	224	145	21750	78	155	23250
TS29B20	180	252	145	26100	99	155	27900
	200	288	145	29000	108	155	31000
TS29B25	250	352	145	36250	132	155	38750

Note:

The above parameters are typical values and are subject to a tolerance of up to $\pm 8\%$. The luminous efficacy and luminous flux values listed in the table apply to configurations with CCT ≥ 4000 K; values at 3000 K are approximately 5% lower.

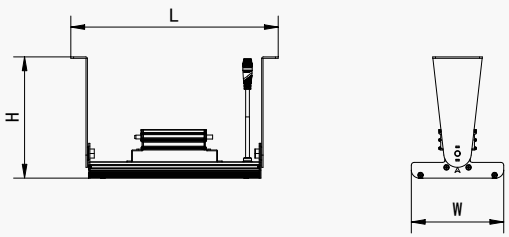
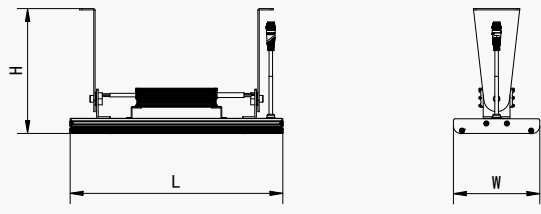
Product Dimensions

Model	Product Dimensions			N.W. (kg)
	L (mm)	W (mm)	H (mm)	
TS29B10	375	170	220	2.7
TS29B15	415	170	245	3.5
TS29B20	515	170	245	4.0
TS29B25	615	170	245	4.5

Note: The above parameters are typical values, with an actual measurement tolerance of 5%.

LED Tunnel Light

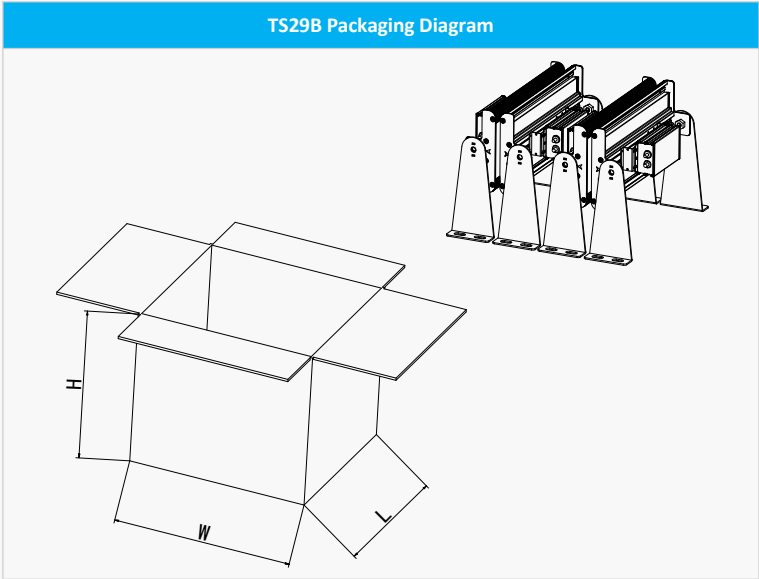
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TS29B10 Dimension Diagram	TS29B15/TS29B20/TS29B25 Dimension Diagram
	

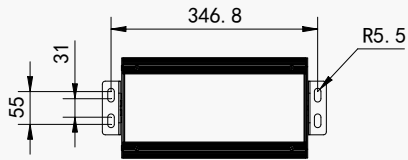
Packaging Dimensions

Model	Packaging Dimensions			Qty. per carton (pcs)	G.W. (kg)
	L (mm)	W (mm)	H (mm)		
TS29B10	390	390	280	4	11.8
TS29B15	430	390	280	4	15.0
TS29B20	530	390	280	4	17.2
TS29B25	630	390	280	4	19.2

Note: The above parameters are typical values, with an actual measurement tolerance of 5%.

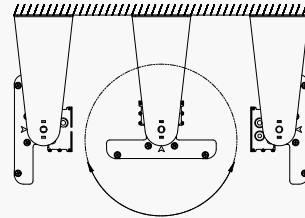


Mounting Hole Diagram



Bracket mounting hole diagram

Note: Compatible with M8/M10 Expansion Bolts

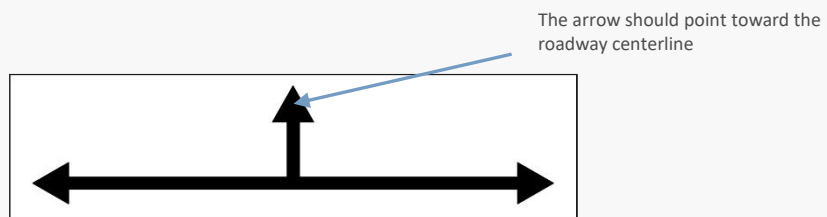


Bracket rotation angle diagram

Note: Standard bracket adjustable angle range: $\pm 90^\circ$

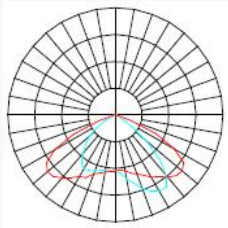
Mounting Direction Instructions

If the luminaire has the indicator arrows shown below, follow the arrow direction during installation. The single arrow should point toward the roadway centerline.

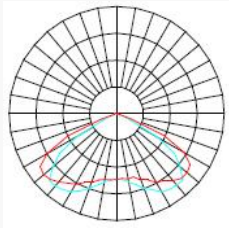


Appendix 1: Light Distribution Curves

3030 LEDs

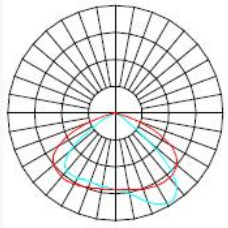


6110 (Tunnel Light-1)

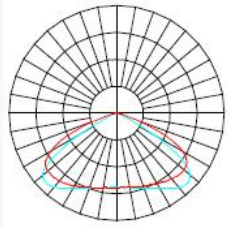


6112 (Tunnel Light-3)

5050 LEDs



6111 (Tunnel Light-2)



6113 (Tunnel Light-4)

The data in the product specifications on the pages may be subject to change.
Please contact your dedicated account manager for the latest product details.

Jul. 2026