



200mm Clear Lens RG Full Ball Traffic Light

Model No.: STJD200E-DC1L0a-01



FEATURES & BENEFITS

- Application – urban traffic signaling
- Wide operating voltage
- Transparent polycarbonate optical lens – impact resistant
- Anti-phantom effect minimized, optimal viewing angle
- High intensity LED light source – low energy consumption
- 5mm LED (DIP) by EPISTAR
- Long life cycle – more than 80,000 working hours
- Highly durable polycarbonate housing, UV-light resistant
- Modular design – easy installation and maintenance
- Easy access using of snap-in open system
- Fixation system with L-shaped/arm-shaped mounting brackets
- Compliance with CE, RoHS, EN12368, ISO9001

Color	Qty. leds	Intensity	Wave length	Consumption
Red	108pcs	≥400cd	620~630nm	≤6W
Green	108pcs	≥600cd	503~508nm	≤5W



TECHNICAL DATA

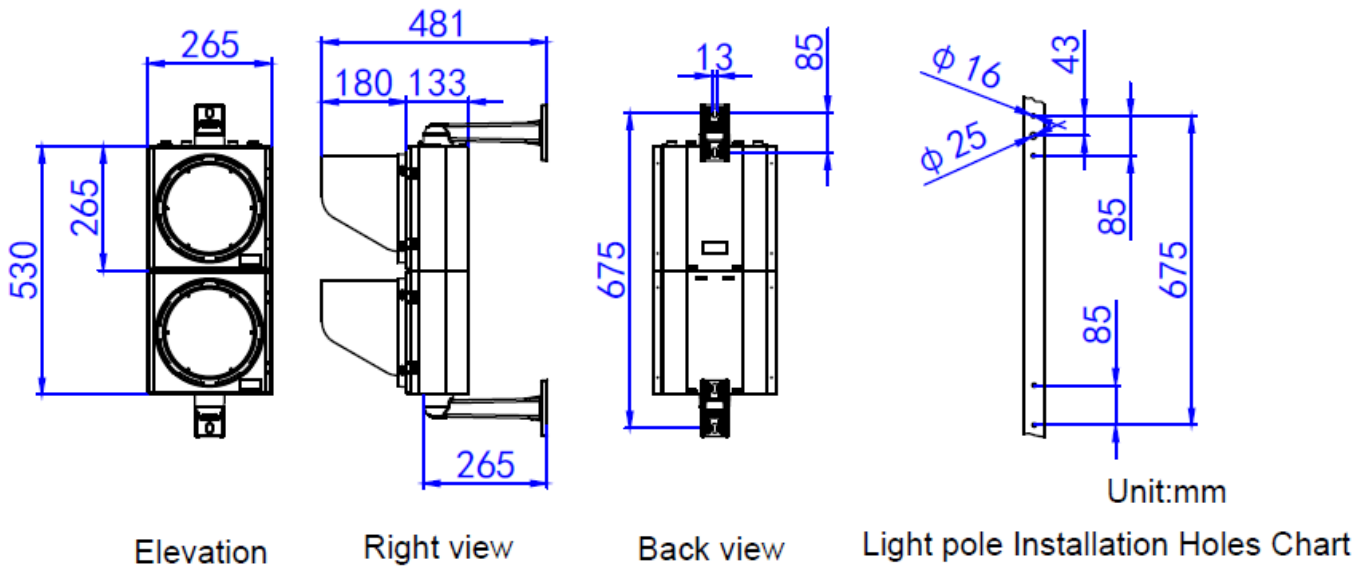
Characteristics	Range	Details/Notes
Input voltage	DC12/24V	Voltage Auto-range
EMC	EN 50293 Acc. EN61000-4-2 Acc. EN61000-4-3 Acc. EN61000-4-4 Acc. EN61000-4-5	Electrostatic discharge immunity -- 4 KV RF field strength susceptibility -- 80-1000MHz 10V/m Burst Immunity – 1KV Surge immunity -- 3000V (L-L/L-E)
Optical performance	Type W, N B3/2, B2/2 Type M A3/2, A2/2	Acc. EN12368 3/2 - Min: 400 cd / Max: 2500 cd. 2/2 - Min: 200 cd / Max: 2000 cd.
View angle	L/R-30°D-20°	Contemplates EN12368
View distance	≥ 300 meters	
Mechanical vibration	Acc.to EN60068-2-64	Test 120 min each axis (X, Y, Z), sweep 10 Hz to 200 Hz.
Impact resistance	IK 08 Acc.to IEC 62262 IR 3 Acc. EN60598 4.13.4	Test against a ball of 1.7 kgs at 295mm (5 J) Test against a ball of 0.51kgs at 1300mm (6.5J)
Resistance against dust and water	IP55-IEC60529	Contemplates EN12368
Coldling and heating test	EN60068-2-2 EN60068-2-1 EN60068-2-30	Contemplates EN12368 (Class A/B/C) Actual working temperature: -40°C to +80°C
Conditioning	72 Hrs.	Flashing testing + steady on testing
Lens/Housing/Visor	Polycarbonate	UV resistant
Housing/visor color	Black	Other color available based on qty request
Open housing system	yes	Sprang open
Fixing door system	yes	Snap-in
Door edge seal material	yes	Neoprene
Wire terminals	No	Y/I type wire terminals optional
Wire AWG	18 AWG	600V +105c°
Terminal block	Splicing connector	Screw terminal block - optional
Installation bracket	Aluminum arm bracket	Or L-shaped bracket - galvanized cold-rolled sheet
Warranty	3 years	



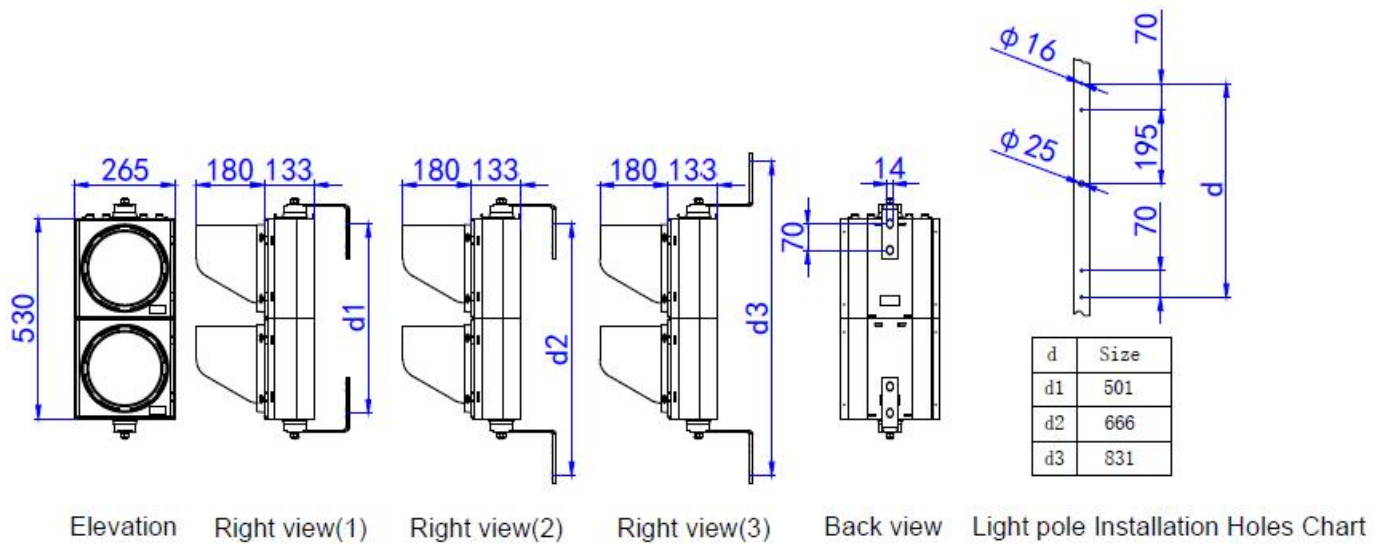
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DIMENSIONAL DRAWING --- Arm Bracket



DIMENSIONAL DRAWING --- L Bracket

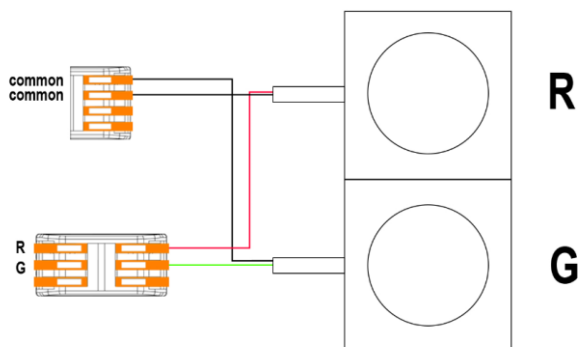


WIRING DIAGRAM

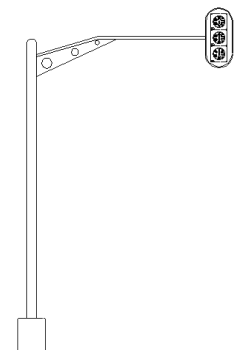
Black --- Common

Red --- Red light

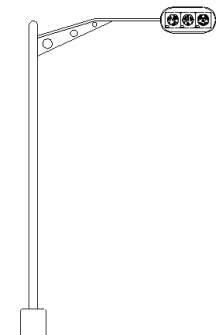
Green --- Green light



INSTALLATION



Vertical



Horizontal

PACKING INFO --- Arm-shaped Bracket

Carton size	QTY	G.W.	N.W.	Wrapper	Volume(M ³)
70×37×28 cm	1set/carton	5.8KGS	4.54KGS	K=K Carton	0.073

Light	Aluminum Arm Bracket	M12*90 screw	M12 spring washer	M12 stainless steel flat washer	M12 Waterproof rubber gasket	Sun visor	TA3*10 screw (spare for visor fixing)	Using manual & certificate
1	2	2	2	2	2	2	8	1 each

PACKING INFO --- L-shaped Bracket

Carton size	QTY	G.W.	N.W.	Wrapper	Volume(M ³)
70×37×28 cm	1set/carton	5.36KGS	4.1KGS	K=K Carton	0.073

Light	L-shaped Bracket	Sun visor	TA3*10 screw (spare for visor fixing)	Using manual & certificate
1	2	2	8	1 each



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