

Outdoor Lighting Solution

WICOP _ Street Light Lens

SMJL-3S2M67CA-XX01 (TII M_V90_2X6 Lens)







Product Brief

Description

- Type II-Medium_V90_2X6 Array Lens with IP67 Graded
- Designed for Street Lighting
- Suitable for WICOP Y19, Y22
- Clear lens with High precision and Optical Level Material

Features and Benefits

- High Efficiency
- Good Beam Distribution
- Uniform Light Spot
- RoHS Compliant

Key Applications

Street Lighting

Material

- Polycarbonate (PC)
- Efficiency: 92%

Dimensions

• L(mm)*W(mm)*H(mm): 196.4*69.7*8.3

Beam Angle

· Type II, Medium

Installation

With screws

Table 1. Product Selection (Order Code Table)

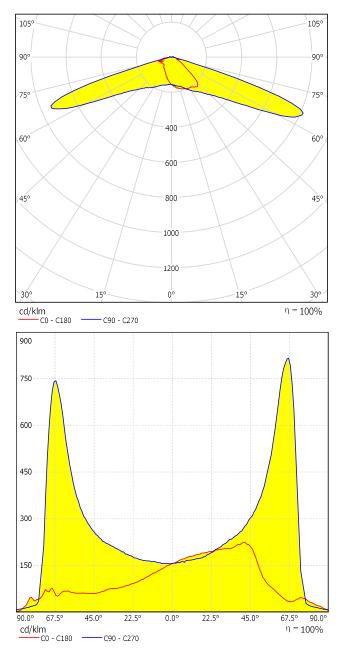
Part No.	Material	Efficiency	Beam Type	Order Code
SMJL-3S2M67CA-XX01	PC	92%	Type II, Medium	SMJL-3S2M67CA-XX01 000000000000

Suitable Led Source	сст	CRI	View Angle(Degree)	LES(mm)
WICOP SZ8 Y19	2600~7000	70~90	140	1.8*1.8*0.4
WICOP SZ8 Y22	2600~7000	70~90	140	2.2*2.2*0.4

Optical Characteristics

Polar Candela Distribution

LED Source: SZ8 - Y19



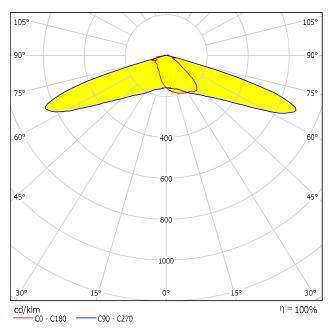
Photometric Characteristics

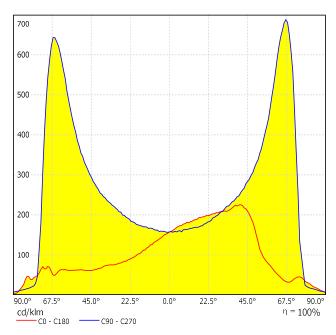
Characteristics	Properties		
IES Classification	Type II, Medium		
Beam Angle(Degree)	63.5H, 141.3V		
Max. Cd. (Degree)	29H, 65V		
Street Side	65.5%		
Cutoff Classification	Semi-Cutoff		

Optical Characteristics

Polar Candela Distribution

LED Source: SZ8 - Y22





Photometric Characteristics

Characteristics	Properties		
IES Classification	Type II, Medium		
Beam Angle(Degree)	68.3H, Vertical 141.0V		
Max. Cd. (Degree)	37.5H, 65V		
Street Side	66.1%		
Cutoff Classification	Semi-Cutoff		



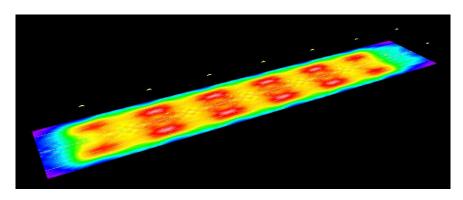
Application Performance

Street Lighting Simulation (Example):

Arrangement: Double row, opposing

Pole Distance: 35.000 m Mounting Height: 12.000 m

Overhang: 1.500 m Boom Angle: 0 ° Boom Length: 2.800 m Selected Lighting Class: M4



Tarmac: R1, q0: 0.1



Tarmac: R3, q0: 0.070

1	1	1	1
≥ 0.40	≥ 0.60	≤ 15	≥ 0.50
0.60	0.65	12	0.83
U0	UI	TI [%]	SR
	0.60	0.60 0.65	0.60 0.65 12

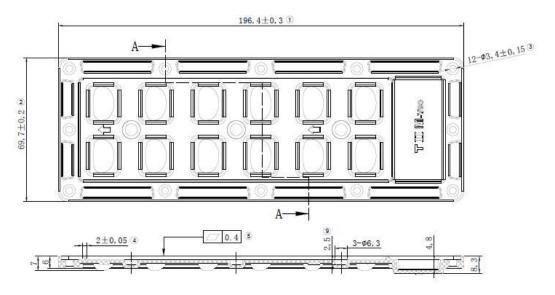
Suitable Street Arrangements:

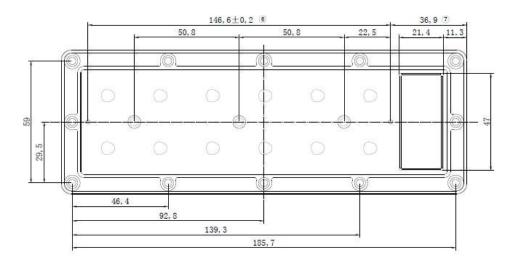
Street Surface	Number of lanes	Pole Height(m)	Pole Distance(m)	Boom Angle(°)	Single Row	Double Row
R1	2 ~ 3	10	≤35	0 ~ 15	S	S
	4 ~ 8	10 ~ 12	25 ~ 60	0 ~ 15	×	S
R3	2~3	10	≤35	0 ~ 15	S	S
	4 ~ 8	10 ~ 12	25 ~ 45	0 ~ 15	×	S

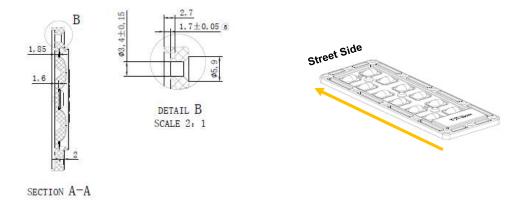
S: Suitable X: Not suitable



Mechanical Dimensions







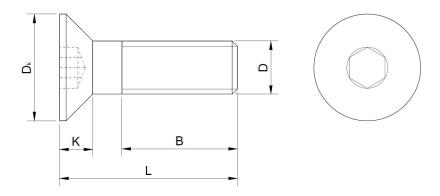
Unit: Millimeter



Mechanical Dimensions

Screw Recommended

Hexagon socket countersunk heat screw – M3



D _k (mm)	5.54 < D _k < 6.72	
D(mm)	2.86 < D < 3	
L(mm)	10/12	
B(mm)	> 4	
K(mm)	< 1.86	

Torque(kg)	<5 kg
Torque(kg)	



Marking Information

Table 1. Product Information

<u>SMJL - 3 S 2 M 6 7 C A - XX 01</u>

1 23456789

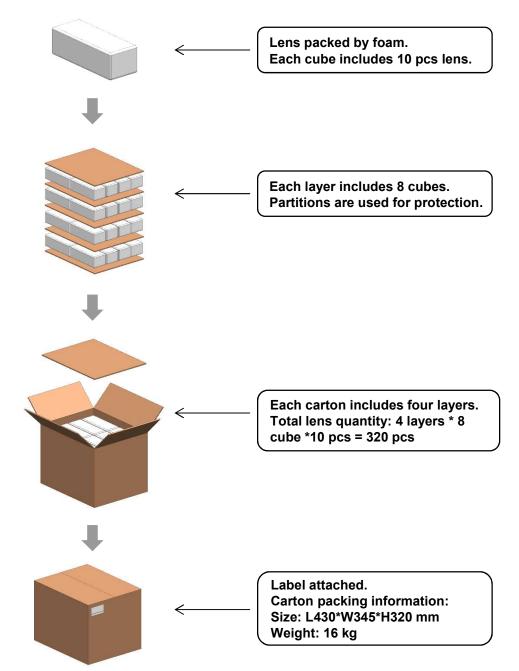
10

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No	Data	Digit	Example	Re	mark
1	Product Name-1	4	SMJL	SSC Internal Code for Lens	
2	Lens Category	1	3	1: Single Lens 2: 2X2 Array Lens 3: 2X6 Array Lens 4: 2X8 Array Lens	
3	Application Field	1	S	S: Stree	et Lighting
4	Beam Angle – Class 1	1	2	1: ⁻ 2: 1 3: T 4: T	erse Distribution: Type I Type II Type III Type IV Type V
5	Beam Angle – Class 2	1	М	Light Longitudinal Distribution: S: Short M: Medium L: Long	
6	Field Angle – Class 1	1	6	Horizontal	(NEMA Standard) 1: 10~18° 2: 19~29° 3: 30~46°
7	Field Angle – Class 1	1	7	Vertical	4: 47~70° 5: 71~100° 6: 101~130° 7: >130°
8	Material	1	С	A: PMMA C: PC	
				A: WICOP 3030 Module B: WICOP 5050 Module	WICOP Y19/Y22
			A		WICOP Y11 4in1
9	Suitable LED Source	Suitable LED Source 1			WICOP Y19 4in1
					WICOP Y22 4in1
					WICOP Y11 Matrix Cell-5/9
10	Notes	2	XX	XX: Reference Design	
11	Version	2	01	01: First Version	
12	Company Code	12	00000000 0000	Default	



Packing Information



Operation Environment

ltem	Standard
Flammability	UL 94-V2
Vicat Softening Temperature	129℃
Recommended Storage	Temperature: -10°C~+40°C
Environment	Humidity: < 80%RH
Install Method	With screws



Company Information

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Company Information

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Revision History

Revision	Date	Page	Remarks
1.1	Feb 13 th , 2019	All	Version R1.1