Outdoor Lighting Solution

WICOP _ Street Light Lens

SMJL-3S2M76AA-XX01 (TII M 2x6 Lens)







Product Brief

Description

- Type II-Medium 2X6 Array Lens with IP Graded
- Designed for Street Lighting
- Suitable for WICOP Module Cell 3030---Y19, Y22, 4in1 Y11
- 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

- PMMA
- Efficiency: 96%

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)

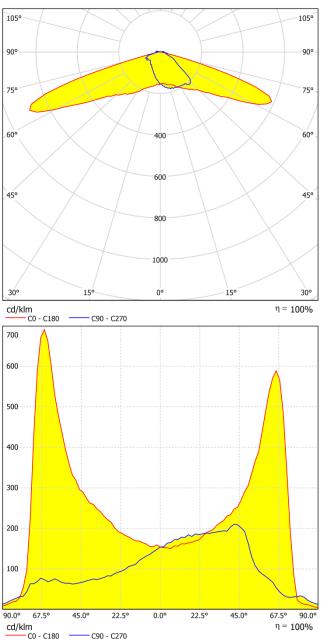
Part No.	SAP Code	Material	Efficiency	Beam Type	Size(mm)
SMJL-3S2M76AA-XX01	1011559	PMMA	96%	Type II, Medium	196.4*69.7*8.3

Suitable Leds	сст	CRI	View Angle (Degree)	LES(mm)	Certificate
WICOP SZ8 Y19	2600~7000	70~90	140	1.8*1.8*0.4	LM80
WICOP SZ8 Y22	2600~7000	70~90	140	2.2*2.2*0.4	LM80
WICOP SZ8 Y11-4in1	2600~7000	70~90	150	2.78*2.78*0.45	LM80

Optical Characteristics

Polar Candela Distribution

LED Source: SZ8 - Y19



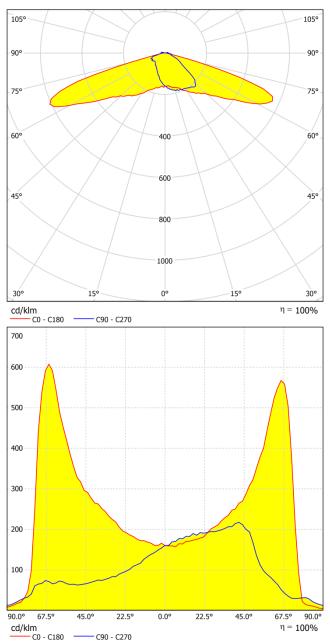
Photometric Characteristics

Characteristics	Properties		
IES Classification	Type II, Medium		
Beam Angle(Degree)	Horizontal 140.8, Vertical 60.0		
Max. Cd. (Degree)	65H, 37.5V		
House Side	34.7%		
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)	Horizontal 141.3, Vertical 70.9		
Max. Cd. (Degree)	65H, 37.5V		
House Side	35.3%		
Cutoff Classification	Semi-Cutoff		

Application Performance

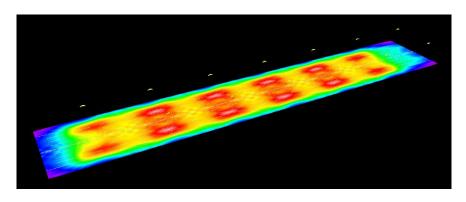
Street Lighting Simulation (Example):

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: ME4a



Tarmac: R1, q0: 0.1

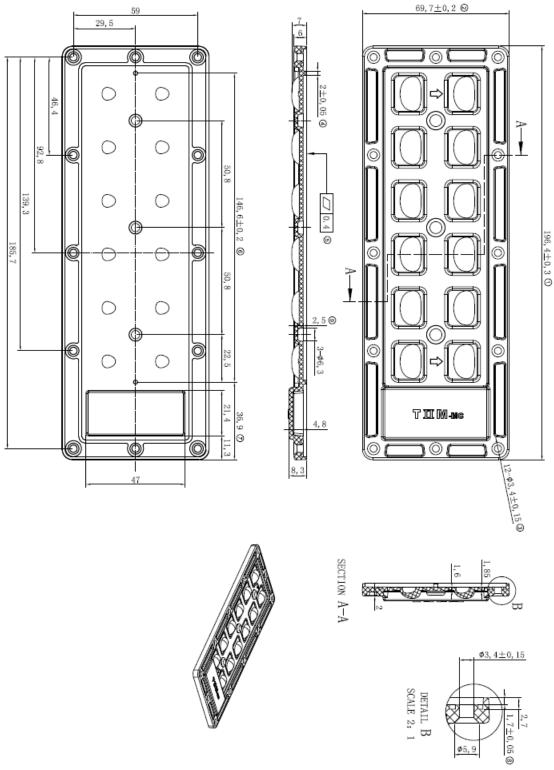
Tarmac: R3, q0: 0.070

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

Marking Information

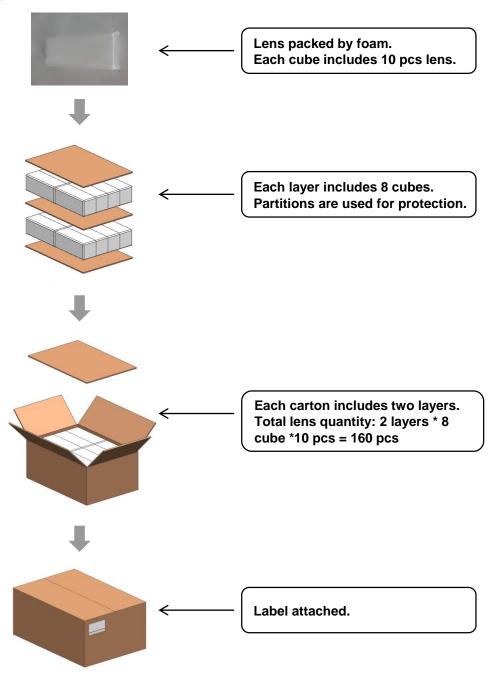
Table 1. Product Information

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

1 23456789101

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: ¹ 2: T 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	7	Horizontal	(NEMA Standard) 1: 10~18° 2: 19~29° 3: 30~46°	
7	Field Angle – Class 1	1	6	Vertical	4: 47~70° 5: 71~100° 6: 101~130° 7: >130°	
8	Material	1	А	A: PMMA C: PC		
				A: WICOP 3030	WICOP Y19/Y22	
				Module	WICOP Y11 4in1	
9	9 Suitable LED Source	1	А		WICOP Y19 4in1	
				B: WICOP 5050 Module	WICOP Y22 4in1	
					WICOP Y11 Matrix Cell-5/9	
10	Notes	2	XX	XX: Reference Design		
11	Version	2	01	01: Firs	st Version	

Packing Information



Operation Environment

ltem	Standard
Flammability	UL 94-HB
Vicat Softening Temperature	108°C
Operation Temp. Range	-10°C~+85°C
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
0.1	June 21th, 2018	All	Version R0.1