

“ARPA” STREET LIGHT (Model: SLCA)

FEATURES:

- High Efficiency (~105 lumens/W)
- Bridgelux LED chips
- Wide input voltage range (100-305VAC) for protection against voltage fluctuation
- Up to 10kV surge protection for protection against transient voltage
- >50,000 hours design life

SPECIFICATIONS⁺:




Model	SLCA-400	SLCA-600	SLCA-1000
System Power	40W	60W	100W
LED Chips	Bridgelux		
Color Temperature (CCT)	3000K, 4000K, 5000K, 5700K, 6500K (standard model)		
CRI	>80 Ra		
Luminous Flux	4200 lm	6300 lm	10500 lm
Luminous Efficacy	~105 lumens / W		
Power Supply	Meanwell or Inventronics		
Input Voltage	100-305Vac or 90-305Vac		
Power Factor	>0.95		
Power Supply Efficiency	>90%		
Surge Protection	4kV (Line-Line); 6kV (Line-Earth), or 6kV (Line-Line); 10kV (Line-Earth)		
Beam Angle	75 x 145°		
Design Life	>50,000 hours		
Housing Color	BLACK (FACE), GREY (BODY)		
Housing Material	Diecast Aluminum / Tempered Glass		
Lens Material	PMMA		
Ingress Protection	IP65		
Product Size (mm)	L514 x W178 x H79	L565 x W218 x H79	L616 x W253 x H79
Net Weight	3.1kg	3.7kg	4.8kg

⁺Product specifications are subject to changes without notice

REVISION: 3

Title: CLARO “ARPA” STREET LIGHT

Model: SLCA

SHEET No: 1 of 3

Date: 2017.08.12

Version: 1.2

“ARPA” STREET LIGHT (Model: SLCA)

PRODUCT PHOTOS:



40W



60W



100W



Side View (100W)



Rear View (150W)

ORDERING INFORMATION: e.g., SLCR-100065N

Series		Wattage		Color Temperature (CCT)		Dimming		CRI		Beam Angle	
SLCA	ARPA	400	40W	30	3000K	N	Non-dimmable	80	80Ra	75x145	8x14
		600	60W	40	4000K	D	Dimmable				
		1000	1000W	50	5000K						
				57	5700K						
				65	6500K						

“ARPA” STREET LIGHT (Model: SLCA)

PHOTOMETRIC TEST RESULTS+: **100W**

Filename: CLARO ARPA 100W STREET LIGHT

Manufacturer: EPITAX PTE LTD (SINGAPORE)

Luminaire: CLARO “ARPA” 100W LED STREET LIGHT

Luminaire Cat: STREET LIGHT

Lamp Cat: LED

Lamp Output: Total luminaire Lumens: 10528.9

Max Candela: 5,521.2 at Horizontal: 85°, Vertical: 65°

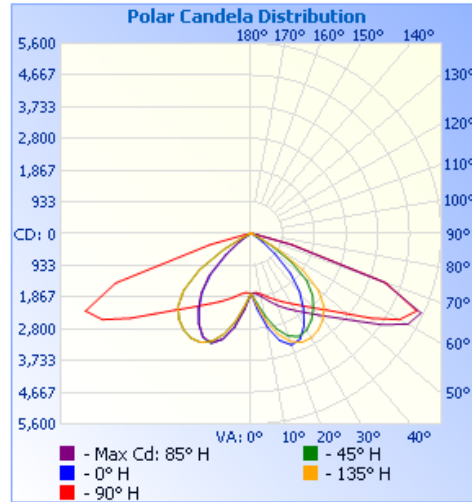
Input Wattage: 100.4

Luminous Opening: Rectangle (L: 0.16M, W: 0.21M)

Test Date: 2017-04-12

Photometry : Type C

Nema Type: 7 X 6

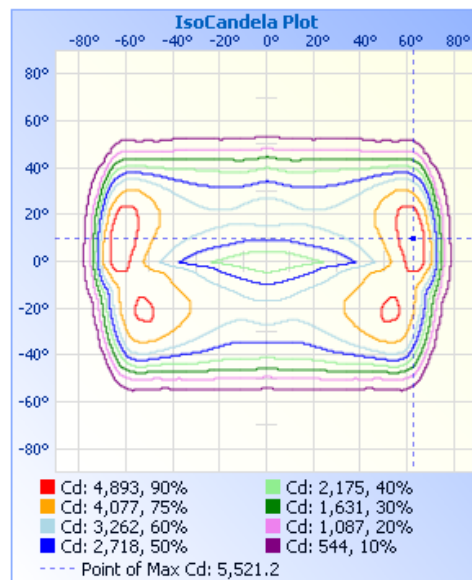
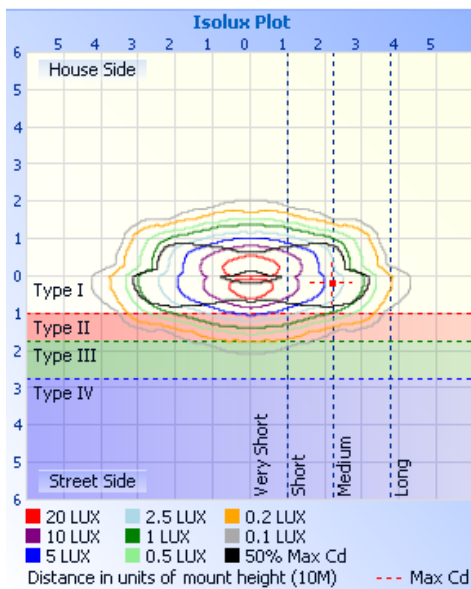


Roadway Summary

Cutoff Classification:	CUTOFF	
Distribution:	TYPE I, SHORT	
Max Cd, 90 Deg Vert:	12.6	
Max Cd, 80 to <90 Deg:	206.0	
	Lumens	% Lamp
Downward Street Side:	5,018.4	47.7%
Downward House Side:	5,415.3	51.4%
Downward Total:	10,433.7	99.1%
Upward Street Side:	44.2	0.4%
Upward House Side:	51.2	0.5%
Upward Total:	95.4	0.9%
Total Lumens:	10,529.1	100%

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	2,503.5	23.8%
0-40	4,468.9	42.4%
0-60	8,676.5	82.4%
60-90	1,757.0	16.7%
70-100	390.1	3.7%
90-120	44.3	0.4%
0-90	10,433.5	99.1%
90-180	95.4	0.9%
0-180	10,528.9	100%



+ Photometric test results of only 100W is presented. Test results of other wattage are available upon request.

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