

“BLADE 2” STREET LIGHT (Model: SLCB2)

FEATURES:

- High Efficiency (120 lumens/W)
- Philips Lumileds LED (LM80)
- Wide input voltage range (90/100-305VAC) for protection against voltage fluctuation
- Up to 10kV surge protection for protection against transient voltage
- Optional SPD (surge protection device) up to 20kA 40kV
- >50,000 hours design life



TIS 1955-2551



SAMSUNG LED



SPECIFICATIONS⁺:



LUMILEDS

INVENTRONICS

Model	SLCB2-1000	SLCB2-1200	SLCB2-1500	SLCB2-1800
System Power	100W	120W	150W	180W
LED Chips/Packages	Philips Lumileds			
Color Temperature (CCT)	3000K, 4000K, 5000K, 5700K, 6500K (standard model)			
CRI	>80 Ra			
Luminous Flux	12000 lm	14500 lm	18000 lm	21500 lm
Luminous Efficacy	120 lumens / W			
Driver	Inventronics or Meanwell			
Input Voltage	90-305Vac or 100-305Vac			
Power Factor	>0.95			
Power Supply Efficiency	>90%			
Surge Protection (built-in)	4kV (Line-Line); 6kV (Line-Earth) or 6kV (Line-Line); 10kV (Line-Earth)			
Surge Protection Device	Up to 20kA 40kV (Optional)			
Beam Angle	85°x120°, 50°x140°			
Design Life	>50,000 hours			
Housing Color	Silver			
Housing Material	Aluminum			
Lens Material	Polycarbonate			
Ingress Protection	IP66			
Product Size (cm)	L48 x W27 x H10		L54 x W27 x H10	
Net Weight	5kg		6kg	

⁺Product specifications are subject to changes without notice

REVISION: 3

Date: 2017.11.05

Title: CLARO “BLADE 2” STREET LIGHT

Model: SLCB2

SHEET No: 1 of 3

Version: 2.1

“NOVUS” STREET LIGHT (Model: SLCN)

PRODUCT PHOTOS:



TIS 1955-2551



100W / 120W



150W / 180W

ORDERING INFORMATION: e.g., SLCB2-100065N-808x12

Series		Wattage		Color Temperature (CCT)		Dimming		CRI	Beam Angle	
SLCB2	“BLADE 2” STREET LIGHT	1000	100W	30	3000K	N	Non-dimmable	80 80Ra	5x14	50x140 Deg
		1200	120W	40	4000K	D	Dimmable		8x12	85x120 Deg
		1500	150W	50	5000K					
		1800	180W	57	5700K					
				65	6500K					

REVISION: 1

Title: CLARO “BLADE 2” STREET LIGHT

Model: SLCB2

SHEET No: 2 of 3

Date: 2017.11.05

Version: 2.1

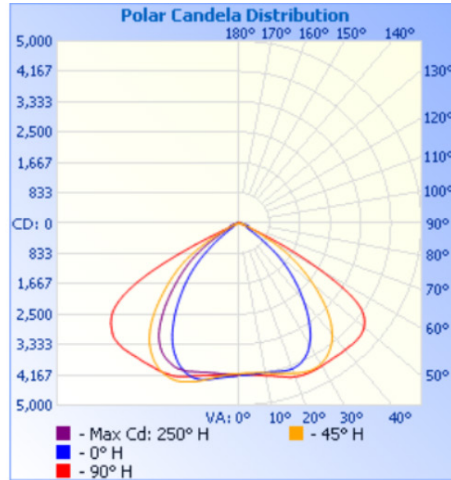
“NOVUS” STREET LIGHT (Model: SLCN)

PHOTOMETRIC TEST RESULTS*: 100W (90x120 Degrees)



TIS 1955-2551

Filename: SLCB2-100065N-809x12.v.1
Manufacturer: EPITAX PTE LTD (SINGAPORE)
Luminaire: CLARO "BLADE 2" STREET LIGHT 100W 6500K 90x120DEG
Luminaire Cat: LED STREET LIGHT
Lamp: SLCB2-100065N-809x12
Lamp Output: Total luminaire Lumens: 11792.1
Max Candela: 4,916.5 at Horizontal: 250°, Vertical: 36°
Input Wattage: 98.2
Luminous Opening: Rectangle w/Luminous Sides (L: 0.27M, W: 0.4M, H: 0.1M)
Test Date: 06-SEP-17
Photometry : Type C
Nema Type: 7 X 6

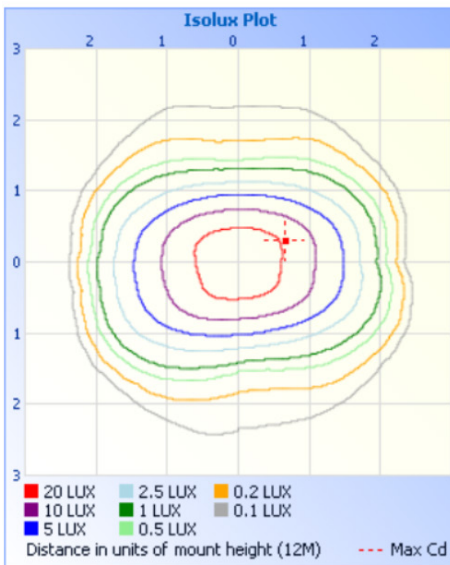


Roadway Summary

Cutoff Classification:	CUTOFF	
Distribution:	TYPE I, VERY SHORT	
Max Cd, 90 Deg Vert:	49.2	
Max Cd, 80 to <90 Deg:	141.6	
	Lumens	% Lamp
Downward Street Side:	6,075.4	51.5%
Downward House Side:	5,718.0	48.5%
Downward Total:	11,793.5	100%
Total Lumens:	11,793.5	100%

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	96.8%	11,411.6	130.3	115.4
Beam (50%):	85.4%	10,069.6	120.2	88.9
Total:	100%	11,789.5		



Distance (M)	Illuminance at a Distance	
	Center Beam LUX	Beam Width
2.00M	1,039 LUX	3.92 M 6.95 M
4.00M	260 LUX	7.84 M 13.91 M
6.00M	115 LUX	11.77 M 20.87 M
8.00M	64.9 LUX	15.69 M 27.83 M
10.00M	41.5 LUX	19.61 M 34.78 M
12.00M	28.8 LUX	23.52 M 41.73 M

■ Vert. Spread: 88.9°
 ■ Horiz. Spread: 120.2°

* Photometric test results of only 100W with 90x120 degree beam angle are shown. Test results of other wattages and beam angle are available upon request.