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STREET LIGHT

Gobo L

MAY 2019

LUMA SERIES FEATURES & BENEFITS

01. HOUSING

- Single-cast aluminum housing enables passive heat dissipation along the entire length of the luminaire.
- Modular design allows for easy installation, replacement and maintenance.
- Tool-less entry to driver compartment.
- IK08 rated.
- Meets 3G vibration per ANSI C136.31-2010.

02. FINISH

- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Black Powder Coat

03. LED & OPTICAL ASSEMBLY

- Each PCB are mounted with a TVS (Transient Voltage Suppressors) to protect the LEDs from voltage transients induced by lightning and other transient voltage events.
- High-uniformity LED optics are constructed of durable optical polycarbonate that is impact and UV resistant.
- The metal plate provides double protection for the LED light engine and prolongs LED optics life.
- Multiple optical lenses are available.
- Each LED module are 100% tested prior to assembly which is IP67 rated.

04. MOUNTING

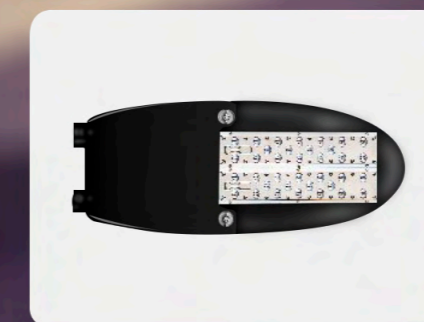
- Side-entry mounting.
- Adjustable for 1 5/8-2 3/8"(42mm-60mm) O.D. tenon.
- Brackets are available for different installations.

05. Electrical/ Key Components/ Controls

- 24VDC
- Surge protection to 20kV/10kA per ANSI/IEEE C62.41.2-2002 available.
- High quality LEDs, driver and components, e.g. MOLEX, WAGO connectors.

06. Product Certifications

- UL/ CUL/ DLC/ LM79/ CB/ CE/ ENEC/RoHS/ IK08
(Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org)



TECHNICAL PARAMETERS

PRODUCT MODEL

Power	20-120W
Input	24VDC
PF	>0.95
THD	<20%
L70/L90	>200,000H/>60,000H
Operating Temperature	-40°C ~ +50°C
Typical Efficacy	120-160lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70 or 80 or 90

IP Rating	IP67
SPD	10KA or 20KA
Certificate/Qualification	UL/ CUL/ DLC/ LM79/ CB/ CE/ ENEC/ RoHS/ IK08
DALI	Optional
1-10V	Optional
Photocell	Optional
Smart Control	Optional
Optic (IESNA)	Type II, Type III, Type IV, Type V
Color Options	Black

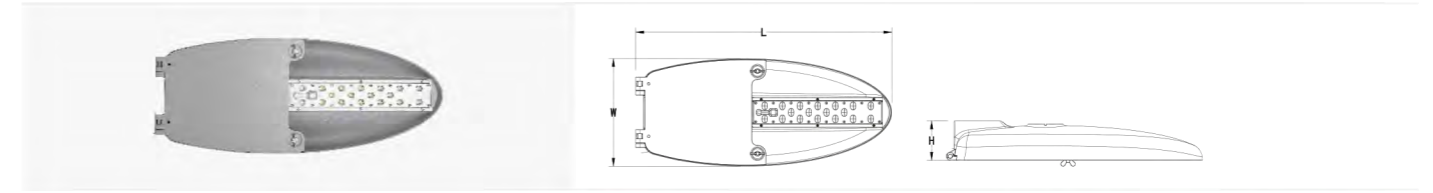
* Standard

ORDERING INFORMATION

MODEL (Nominal Power)	OPTIC LENS	CCT (ANSI)	ACCESSORY INFO
SID20 20W	T2M Type II Medium	30K 3045	Adaptor Bracket
SIA30 30W	★ T3L Type III Long	±175K	3/5/7-pin NEMA Receptacle
SIA60 60W	★ T4M Type IV Medium	★ 40K 3985	20KA Surge Protection Device
SIB80 80W	T5U Average beam angle 10°	±275K	Safety Cable
	T5V Average beam angle 25°	50K 5028	Knife Switch
	T5W Average beam angle 40°	±283K	Emergency Power Supply (EPS)
	T5S Average beam angle 60°	57K 5665	
	T5M Average beam angle 90°	±355K	
	T5L Average beam angle 120°		
	T5X Average beam angle 150°		
	T5D Diffuser		

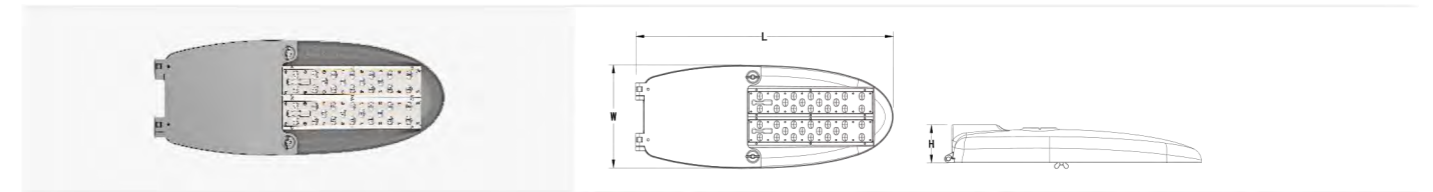
★ Regularly stocked item

- Example 1: SIA30-T2M-50K-GR-00
- Example 2: SIB40D-T5U-50K-WH-00



Model	SID20/SIA30/	Net Weight	4.37kg(9.63lbs)
LED Modules	1	Gross Weight	4.94kg(10.89lbs)
LEDs	18	Product Dimensions	545.9x229.8x84mm 21.49"x9.05"x3.31"
EPA(sq.ft.)	0.618	Carton Dimensions	600x265x150mm 23.62"x10.43"x5.91"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
SID20	18W	24VDC	350mA	2160lm	2340lm	130
SIA30	31W	24VDC	530mA	3627lm	4030lm	130



Model	SIA60/SIB80	Net Weight	5.57kg(12.28lbs)
LED Modules	2	Gross Weight	6.27kg(13.82lbs)
LEDs	36	Product Dimensions	570.6x229.8x84mm 22.46"x9.05"x3.31"
EPA(sq.ft.)	0.643	Carton Dimensions	630x265x150mm 24.81"x10.43"x5.91"

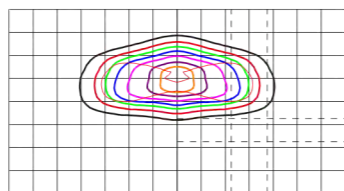
Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
SIA60	61W	24VDC	530mA	7137lm	7930lm	130
SIB80	78W	24VDC	700mA	8775lm	9750lm	125

ACCESSORIES OPTICS

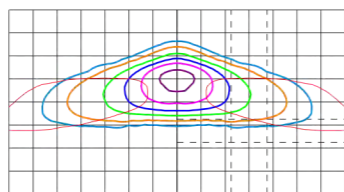
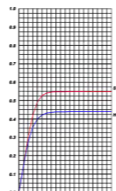
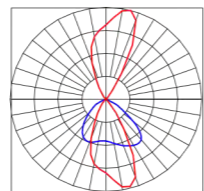
ISO Plot

Polar Curve

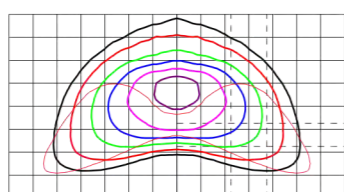
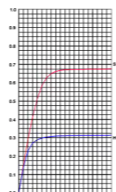
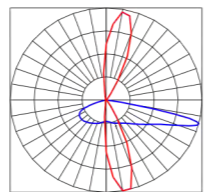
Cu Graph



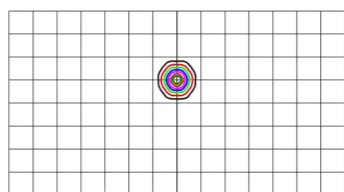
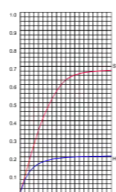
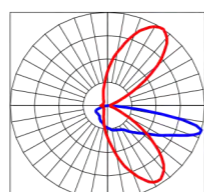
T2M Type II Medium



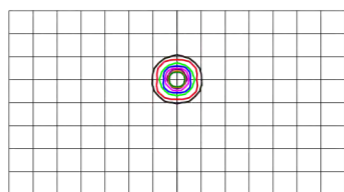
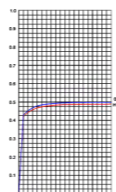
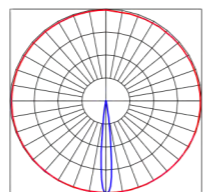
T3L Type III Long



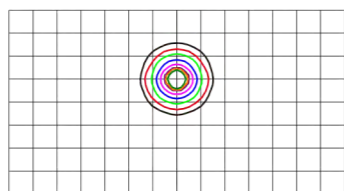
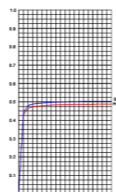
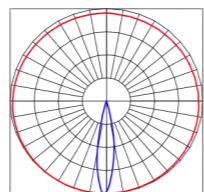
T4M Type IV Medium



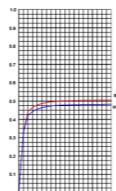
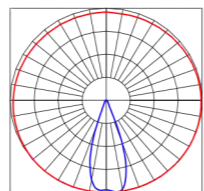
T5U Average beam angle 10°



T5V Average beam angle 25°



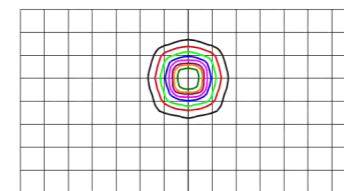
T5W Average beam angle 40°



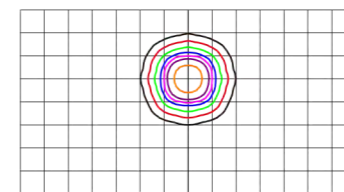
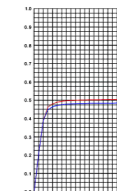
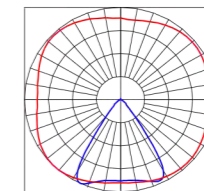
ISO Plot

Polar Curve

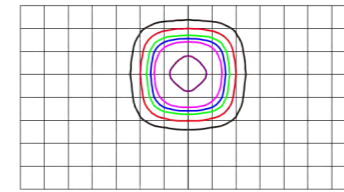
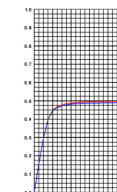
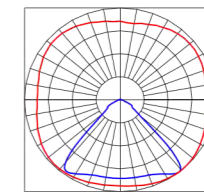
Cu Graph



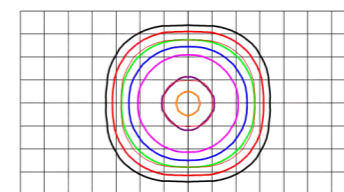
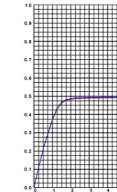
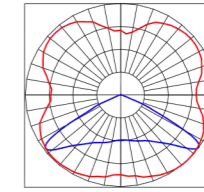
T5S Average beam angle 60°



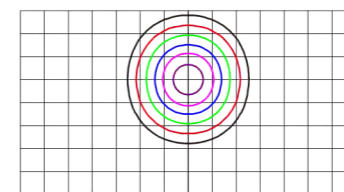
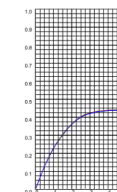
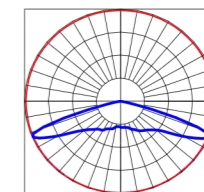
T5M Average beam angle 90°



T5L Average beam angle 120°



T5X Average beam angle 150°



T5D Diffuser

