

# ARRLUX



**STREET LIGHT**  
**LUMA SERIES**      **2018 V2**

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# 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.
- Standard colors: Grey, Black, Bronze and White.
- Customized colors are available.

## 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

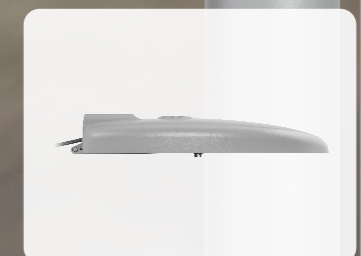
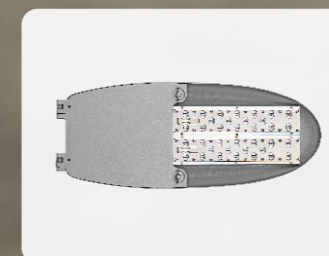
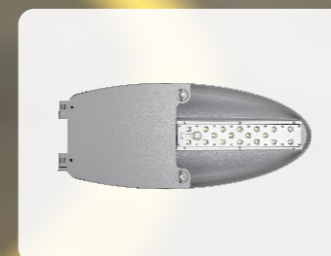
- Side-entry mounting.
- Adjustable for 1 5/8-2 3/8"(42mm-60mm) O.D. tenon.
- Brackets are available for different installations.

## 05. Electrical/ Key Components/ Controls

- 120-277VAC and 12-24VDC available.
- Surge protection to 20kV/10kA per ANSI/IEEE C62.41.2-2002 available.
- High quality LEDs, driver and components, e.g. MOLEX, WAGO connectors.
- Multiple smart lighting control options are available, e.g. photocell, motion sensor, DALI, 1-10V.
- 3-pin/ 5-pin/ 7-pin photocell are available for light level adjustments.

## 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](http://www.designlights.org))


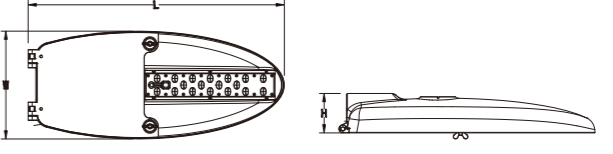


# TECHNICAL PARAMETERS

# PRODUCT MODEL

<b>Power</b>	20-100W	<b>IP Rating</b>	IP67
<b>Input</b>	120-277 VAC or 220-240 VAC or 12-24 VDC	<b>SPD</b>	10KA* or 20KA
<b>PF</b>	>0.95	<b>Certificate/Qualification</b>	UL/ CUL/ DLC/ LM79/ CB/ CE/ ENEC/ RoHS/ IK08
<b>THD</b>	<20%	<b>DALI</b>	Optional
<b>L70/L90</b>	>200,000H/>60,000H	<b>1-10V</b>	Optional
<b>Operating Temperature</b>	-40°C ~ +50°C	<b>Photocell</b>	Optional
<b>Typical Efficacy</b>	120-160lm/W	<b>Smart Control</b>	Optional
<b>ANSI CCT</b>	3000K/4000K/5000K/5700K	<b>Optic (IESNA)</b>	Type II, Type III, Type IV, Type V
<b>Min CRI</b>	70* or 80 or 90	<b>Color Options</b>	Grey/Black/Bronze/White

\* Standard


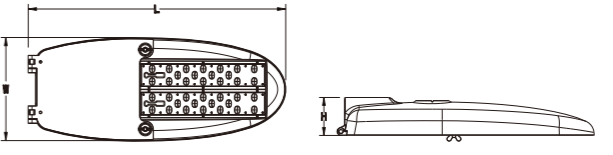



Model	SID20/SIA30/SIA30D/SIB40/SIB40D/SIC60	Net Weight	4.37kg(9.63lbs)
LED Modules	1	Gross Weight	4.94kg(10.89lbs)
LEDs	18	Product Dimensions	545.9x229.8x84mm 21.49"x9.05"x3.31"
EPA(sq.ft.)	0.618	Carton Dimensions	600x265x150mm 23.62"x10.43"x5.91"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000/5000K	
SID20	18W	120-277VAC	350mA	2160lm	2340lm	130
SIA30	31W	120-277VAC	530mA	3627lm	4030lm	130
SIB40	41W	120-277VAC	700mA	4613lm	5125lm	125
SIC60	63W	120-277VAC	1050mA	6691lm	7434lm	118
SIA30D	31W	9-18VDC or 18-32VDC	500mA	3627lm	4030lm	130
SIB40D	41W	9-18VDC or 18-32VDC	700mA	4613lm	5125lm	125

# ORDERING INFORMATION

MODEL (Nominal Power)		OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
SID20 20W	SIA30D* 30W	T2M Type II Medium	30K 3045	★ GR Grey (RAL:7004)	00 Not required	Adaptor Bracket
SIA30 30W	SIB40D* 40W	T3L Type III Long	±175K	BK Black (RAL:9011)	01 Photocell	3/5/7-pin NEMA Receptacle
SIB40 40W	SIA60D* 60W	T4M Type IV Medium	★ 40K 3985	BZ Bronze (RAL:8019)	02 Motion Sensor	20KA Surge Protection Device
SIC60 60W	SIB80D* 80W	T5U Average beam angle 10°	±275K	WH White (RAL:9010)	03 Photocell + Motion Sensor	Safety Cable
SIA60 60W		T5V Average beam angle 25°	★ 50K 5028		04 DALI	Knife Switch
SIB80 80W		T5W Average beam angle 40°	±283K		05 1-10V dimming	Emergency Power Supply (EPS)
SIC100 100W		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				

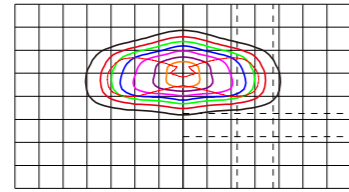
Model	SIA60/SIB80/SIC100/SIA60D/SIB80D	Net Weight	5.57kg(12.28lbs)
LED Modules	2	Gross Weight	6.27kg(13.82lbs)
LEDs	36	Product Dimensions	570.6x229.8x84mm 22.46"x9.05"x3.31"
EPA(sq.ft.)	0.643	Carton Dimensions	630x265x150mm 24.81"x10.43"x5.91"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000/5000K	
SIA60	61W	120-277VAC	530mA	7137lm	7930lm	130
SIB80	78W	120-277VAC	700mA	8775lm	9750lm	125
SIC100	101W	120-277VAC	835mA	10908lm	12120lm	120
SIA60D	61W	9-18VDC or 18-32VDC	500mA	7137lm	7930lm	130
SIB80D	78W	9-18VDC or 18-32VDC	700mA	8775lm	9750lm	125

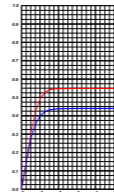
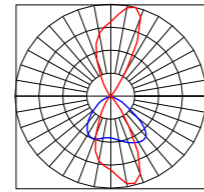
- \* DALI unavailable
- ★ Regularly stocked item
- Example 1: SIA30-T2M-50K-GR-00
- Example 2: SIB40D-T5U-50K-WH-00

# ACCESSORIES OPTICS

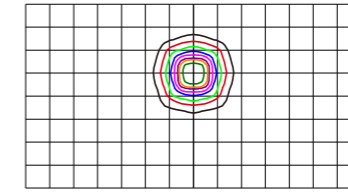
ISO Plot      Polar Curve      Cu Graph



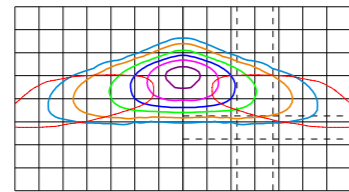
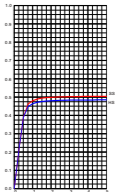
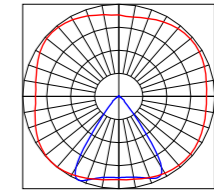
**T2M** Type II Medium



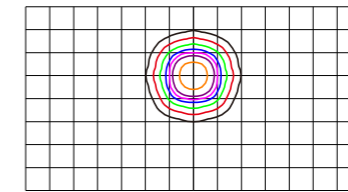
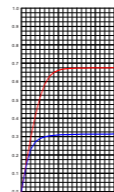
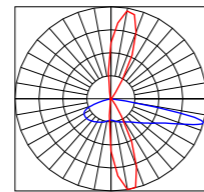
ISO Plot      Polar Curve      Cu Graph



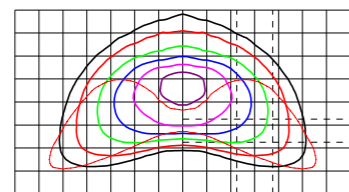
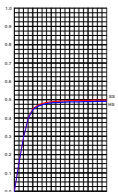
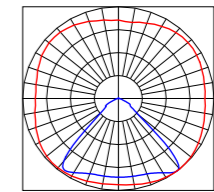
**T5S** Average beam angle 60°



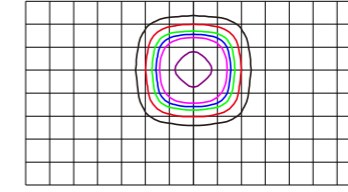
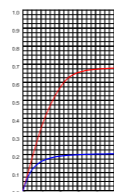
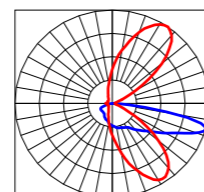
**T3L** Type III Long



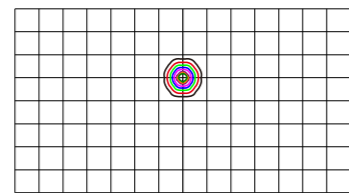
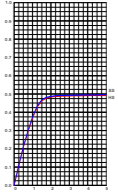
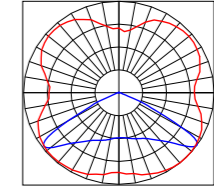
**T5M** Average beam angle 90°



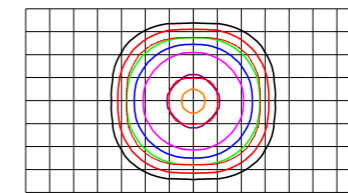
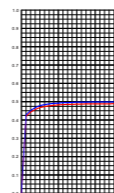
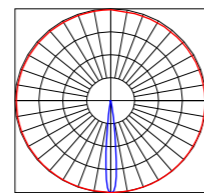
**T4M** Type IV Medium



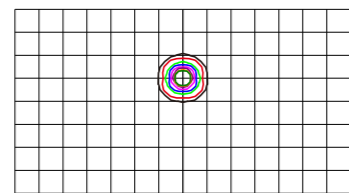
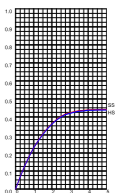
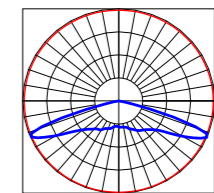
**T5L** Average beam angle 120°



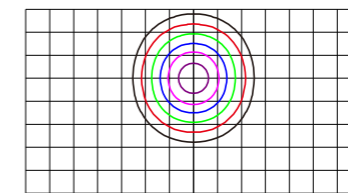
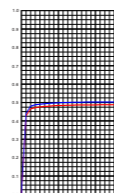
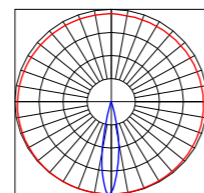
**T5U** Average beam angle 10°



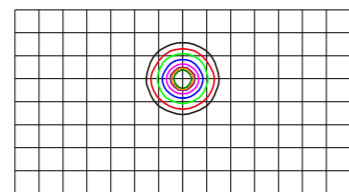
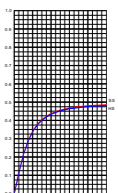
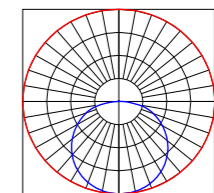
**T5X** Average beam angle 150°



**T5V** Average beam angle 25°



**T5D** Diffuser



**T5W** Average beam angle 40°

