



ARRLED

Model S LED Street Light

2020 V2



Model S

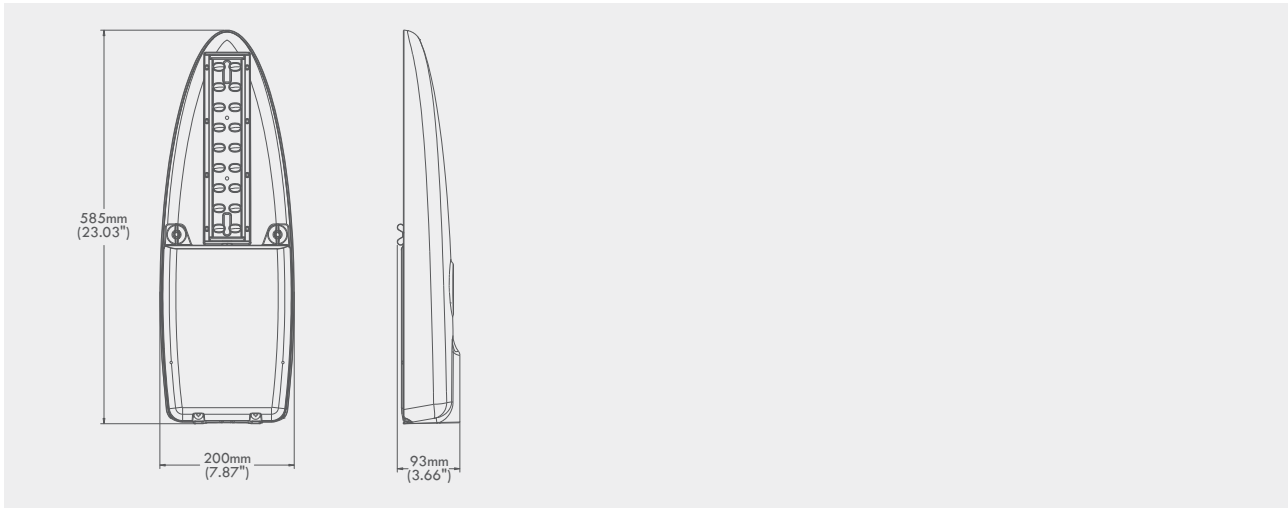
LED Street Light



Product Description

Model S is an ideal solution for street lighting, available with a variety of IESNA optical variants and configuration options. Aluminium Die-casting housing with good corrosion resistance. Optional pole/spigot mounting.

Dimension



Performance Summary

Input Voltage	100-277VAC, 50/60Hz
Nominal Power	30W~80W
Efficacy	Up to 160 LPW
CRI	Minimum 70 CRI
Power Factor	>0.9 at full load
Total Harmonic Distortion	<20% at full load
Surge Protection Device	I _{max} 10KA
L70	>100,000H
Optic(IESNA)	Type II Type III Type V
Operating Temperature	-40°C~+50°C
Accessories & Options	1-10V Dimming, Emergency power supply, Back Light Shield, Photocell, Motion Sensor, Safety Cable
Color Options	Grey
Limited Warranty	10 years limited warranty



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

Ordering Information

Example: SGB30L-T3M-30K-GY-DIM

MODEL	OPTIC	CCT	COLOR	OPTIONS
100-277VAC	T2M	30K	GY	DIM
SGB30L	T3S	3000K	Grey-RAL7004	1-10V dimming
SGC40L	T3M	40K		EPS
SGD60L	T5M	4000K		Emergency power supply
SGE80L	T60D	50K		BLS
	T90D	5000K		Back light shield
		57K		MMS
		5700K		Motion sensor
		AMB		SAC
		amber		Safety cable
				PTC
				Photocell

With the exception of the DIM, all options require prior confirmation with the engineer.

Specification Features

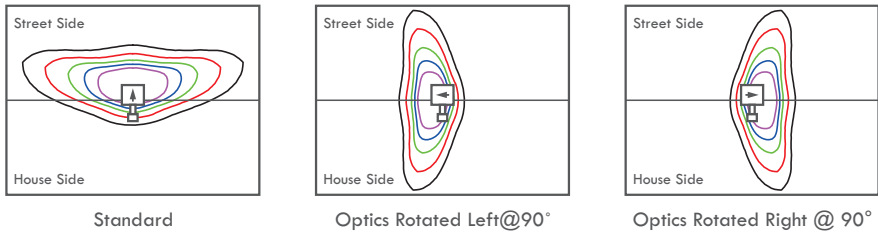
- Construction** Die cast aluminum housing. Modular design allows for easy installation, replacement and maintenance. This design also creates a chimney effect which enables passive heat dissipation. IK08 rated. IP66 water-proof and dust-proof rated.
- Optics** Patented, high-efficiency spill light control technology. With a wide-range of optic lenses and flux options for the luminaire, it can send light exactly in the right direction and illuminate only the area of interest as efficient as possible. This will let you avoid any light waste and shine light only where is needed. With multiple spill light control options, it diminishes the light that shines towards the sky and windows of houses around the field of play to protect night preservation and biodiversity and minimize light nuisance issues.
- Electrical** 100-277V 50/60Hz Operation. The Model S is suitable for operation in -40°C to 50°C ambient environment. Available in standard 530mA, 700mA, 1050mA and 1400mA driver current.
- Mounting** Arm mounting allow for mounting flexibility.
- Finish** Housing finished in super durable powder coat paint, corrosion resistant polyester powder painted 100µm thickness. Meets 1000-hour salt spray certification per ASTM Standard B117. Standard housing color of Grey. Customized colors are available.
- Certification**
- cULus Listed
 - CE-LVD/CE-EMC/CB
 - DLC Premium qualified versions available.
 - IP66 /IK08
 - RoHS compliant.
 - Dark Sky Friendly, IDA Approved when ordered with 3000K CCT
 - Endurance tested to withstand 1,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B117
 - 10KA surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
 - Certified to ANSI C136.31-2010, 3G bridge and overpass vibration standards

Luminaire EPA

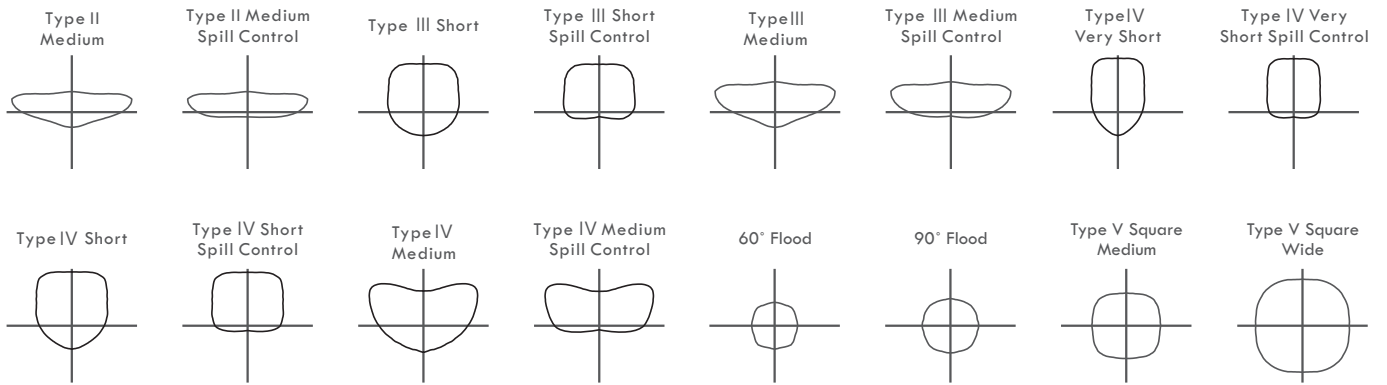


SGB30L	SGC40L	SGD60L	SGE80L
0.58			

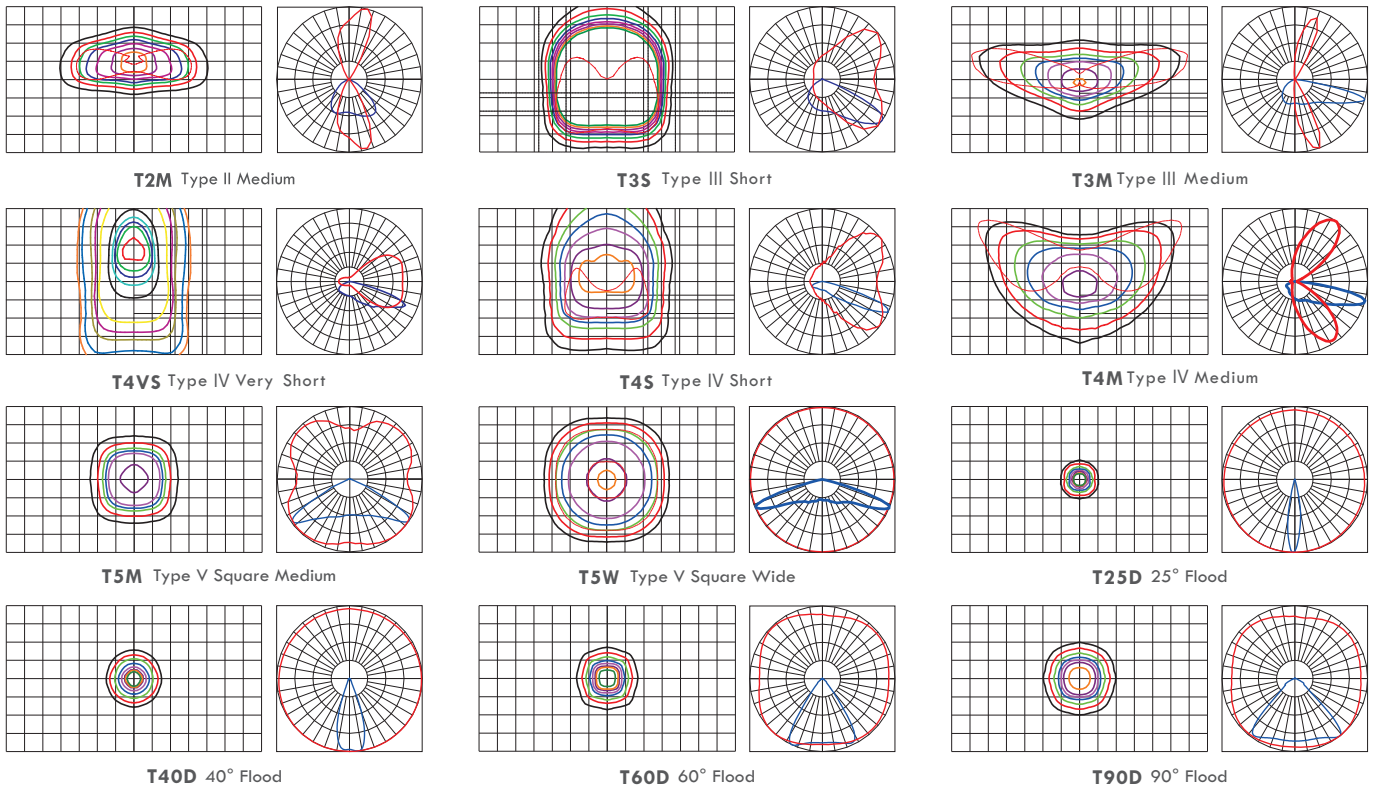
Optic Orientation



Optical Distributions



Photometry



Model



SGB30L/SGC40L/SGD60L/SGE80L

Brief Specifications

Model	Nominal power	LED current	Module number	Module power	Product size L*W*H (mm/in)	Packing size L*W*H (mm/in)	Net weight	Gross weight	Typical luminous flux(lm)	Typical efficiency (lm/W)
100-277VAC										
SGB30L	30W	530mA	1	30W	585(23.03)*200(7.87)*93(3.66)	660(25.98)*265(10.43)*170(6.69)	5.1KG	6.1KG	4050	135
SGC40L	40W	700mA	1	40W	585(23.03)*200(7.87)*93(3.66)	660(25.98)*265(10.43)*170(6.69)	5.1KG	6.1KG	5200	130
SGD60L	60W	1050mA	1	60W	585(23.03)*200(7.87)*93(3.66)	660(25.98)*265(10.43)*170(6.69)	5.1KG	6.1KG	7500	125
SGE80L	80W	1400mA	1	80W	585(23.03)*200(7.87)*93(3.66)	660(25.98)*265(10.43)*170(6.69)	5.3KG	6.3KG	9600	120

CERTIFICATION & STANDARDS

Certification	Standards	Remark
CE-LVD Low Voltage Directive (2014/35/EC)	EN 60598-2-3/A1:2011	Applicable for Street Light
	EN 60598-2-5:2015	Applicable for Flood Light
	EN 60598-1:2015/A11:2018	
	EN 62471:2008	
	EN 62493:2015	
CE-EMC Electromagnetic Compatibility Directive (2014/30/EU)	EN 55015:2013/A1:2015	
	EN 61547:2009	
	EN 61000-3-2:2014	
	EN 61000-3-3:2013	
CE-ErP Energy-Related Products Directive (2009/125/EU)	EU 1194/2012:2012-12-12	
	EC 244/2009:2009-03-18	
	EU 859/2009:2009-09-18	
CE-RoHS Directive (2011/65/EU)	EN 62321:2009	
CB	IEC 60598-2-3/A1:2011	Applicable for Street Light
	IEC 60598-2-5:2015	Applicable for Flood Light
	IEC 60598-1:2014	
	IEC 62471:2006	
	IEC 62471-2:2009	
ENEC	EN 60598-2-3/A1:2011	Applicable for Street Light
	EN 60598-2-5:2015	Applicable for Flood Light
	EN 60598-1: 2015/A1: 2018	
	EN 62471:2008	
SAA	EN 62493:2010	
	AS/NZS 60598.2.3:2015	
ATEX ATEX 95 Equipment Directive(94/9/EC)	AS/NZS 60598.1:2017	
	EN 60079-0:12	
	EN 60079-11:12	
UL	EN 60529:1989+A1:1999	
	UL1598	
	UL8750	
	CSA C22.2 No. 250.0-08	
FCC	CSA C22.2 No. 250.13-14	
	Title 47 CFR Part 15	
PSE	日本電気用品安全法省令別表第八(Safety)	
	日本電気用品安全法省令別表第十(EMC)	
Photobiological Safety	EN 62471:2008	
	IEC 62471:2006	
Vibration test	ANSI C136.31-2010	Applicable for Street Light
	IEC/EN 60598-2-5 clause 5.6.7	Applicable for Flood Light
Salt spray test	ISO 9227:2012	
	ASTM B117	
IK08 Impact resistance test	IEC 62262:2002	
IP65 or IP67 test	IEC/EN 60598-1:2015 clause 9.2.2 and clause 9.2.6 or clause 9.2.8	
Photometric and Integrating Sphere test	IES LM-79-2008	
	ANSI C82.77-2002	
	ANSI C78.377-2011	
	CIE 13.3-1995	
	CIE 15-2004	
	IES TM-15-11	
LED Module	IES LM-63-2002	
	IEC/EN 62031:2008+A1:2013	
LED Lamps	IES LM-80-2008	
	ANSI C78.377-2011	
	JESD22 A108	
	JESD22 A101C	
	JESD22 A105	
	JESD22 B104	
LED Driver	JESD22 A114	
	EN 61347-1:2008	
	EN 61347-2-13:2006	
	EN 62384:2006+A1:2009	
	EN 55015:2006+A1:2007+A2:2009	
	EN 61000-3-2:2006+A1:2009+A2:2009	
	EN 61000-3-3:2008	
	EN 61547:2009	
	IEC 62386 Part 102 and Part 207	Applicable for DALI
	UL1012 UL879 UL935	
Surge Protection Device	FCC Title 47 CFR Part 15 Class A	
	ANSI/IEEE C62.41.2-2002	
Receptacle	UL1449	
	ANSI C136.10-2010	
Dimming Receptacle	ANSI C136.41-2013	

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