

STREET LIGHT

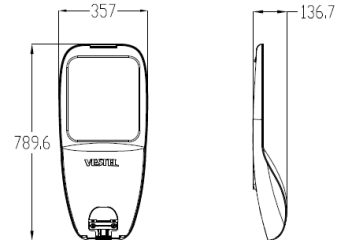
SARDES S-series



FINLUX_{PRO}

SARDES-S2 SPECIFICATIONS

Housing :	Two pieces, die-cast ADC12 aluminum
Luminaire Structure :	Easy access and serviceability Available in Class I and Class II All parts and mountings are outdoor corrosion free No moving parts, LED cover is fall protected Luminaire has a unique Redundant Protection. On case of disconnected burned LED, the luminaire will continue to give same light output from the rest of the LED circuits.
Operating Temperature :	-40°C to +50°C (-40°F to +122°F)
Mounting :	1.380" - 2.375" (35 - 60mm) O.D. Tenons
Mounting Methods :	Horizontal Entry or Post-Top Mount
Weight :	22 lbs (10 kg)
Optic Cover :	4mm tempered glass
Lens material :	PMMA [Acrylic]
UV Protection :	All outer components
Ingress Protection :	IP66
Impact Resistance :	IK09 [Body] / IK08 [Glass]
Finish :	Durable polyester powder coating topcoat Product has marine grade coating
Available Colors :	RAL 7040 [other RAL colors available upon request]
Body Material & Recycle :	Al. Cast / Luminaire recyclable > 70 %
Reports :	CE, CB, ENEC, ISTMT, LM-79-08, LM-82-11, LM-80-08/TM-21-11



	S2-172	S2-165	S2-138	S2-122	S2-106
Number of Drivers	1	1	1	1	1
Number of LEDs	120	96	96	96	96
LED Driver Currents (A)	0.5	1.05	0.9	0.8	0.7
Power Consumption (W)	172	165	138	122	106
Input Voltage (V)	220-240	220-240	220-240	220-240	220-240
Output Voltage (V)	130-260	130-260	130-260	130-260	130-260
Max ambient temperature (Ta)	+50°C	+50°C	+50°C	+50°C	+50°C
Surge Protection	10kV for L/N-Ground, 6kV for L-N.				
Over Temperature for Driver	Tc=90°C (Overheating Protection)				
Power Factor (PF)	> 0.95				
Operating Mode	Constant Current				
Frequency	50-60 Hz				
Output Ripple Current (100Hz)	10%				

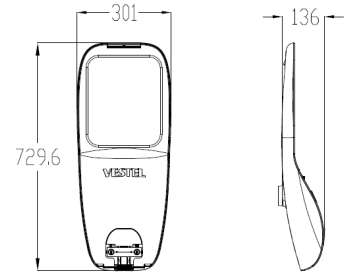
OPTICS & PERFORMANCE					
Photometry (Distribution)	Asymmetric [Type I-II-III-IV]				
Color Temperature (CCT)	4000K (3000K & 6500K options available)				
LED Manufacturer	CREE				
LED Model	XLamp XT-E				
Color Rendering Index (CRI)	≥ 70 (80CRI option available)				
Fixture Efficacy (Lm/W)	122	123	128	132	135
Fixture Output (Lm)	21,000	19,000	16,450	13,500	11,850
Reported Life Time (@Ts=85°C)	L90C10 > 109,000 hours				
Driver Life Time	> 100,000 hours @Tc=78°C			> 50,000 hours @Tc=90°C	

CONTROL OPTIONS	
Control Options	AstroDIM / StepDIM / DALI / Zhaga/ NEMA (7-PIN Dimming Receptacle ANSI C136.41-2013).

* The fixture luminous flux tolerance is ±10% regarding the optical and electrical measurements.

SARDES-S3 SPECIFICATIONS

Housing :	Two pieces, die-cast ADC12 aluminum
Luminaire Structure :	Easy access and serviceability Available in Class I and Class II All parts and mountings are outdoor corrosion free No moving parts, LED cover is fall protected Luminaire has a unique Redundant Protection. On case of disconnected burned LED, the luminaire will continue to give same light output from the rest of the LED circuits.
Operating Temperature :	-40°C to +50°C (-40°F to +122°F)
Mounting :	1.380" - 2.375" (35 - 60mm) O.D. Tenons
Mounting Methods :	Horizontal Entry or Post-Top Mount
Weight :	18.7 lbs (8.5 kg)
Optic Cover :	4mm tempered glass
Lens material :	PMMA [Acrylic]
UV Protection :	All outer components
Ingress Protection :	IP66
Impact Resistance :	IK09 [Body] / IK08 [Glass]
Finish :	Durable polyester powder coating topcoat Product has marine grade coating
Available Colors :	RAL 7040 [other RAL colors available upon request]
Body Material & Recycle :	Al. Cast / Luminaire recyclable > 70 %
Reports :	CE, CB, ENEC, ISTMT, LM-79-08, LM-82-11, LM-80-08/TM-21-11



	S3-128	S3-115	S3-102	S3-88	S3-76	S3-63	S3-50
Number of Drivers	1	1	1	1	1	1	1
Number of LEDs	80	80	80	80	80	80	80
LED Driver Currents (A)	0.50	0.45	0.40	0.35	0.30	0.25	0.20
Power Consumption (W)	128	115	102	88	76	63	50
Input Voltage (V)	220-240	220-240	220-240	220-240	220-240	220-240	220-240
Output Voltage (V)	130-260	130-260	130-260	130-260	130-260	130-260	130-260
Max ambient temperature (Ta)	+40°C	+50°C	+50°C	+50°C	+50°C	+50°C	+50°C
Surge Protection	10kV for L/N-Ground, 6kV for L-N.						
Over Temperature for Driver	Tc=90°C (Overheating Protection)						
Power Factor (PF)	> 0.95						
Operating Mode	Constant Current						
Frequency	50-60 Hz						
Output Ripple Current (100Hz)	10%						

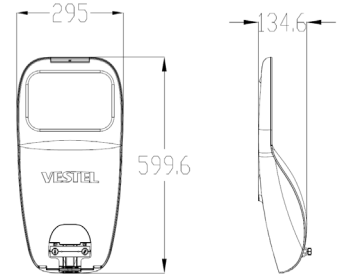
OPTICS & PERFORMANCE							
Photometry (Distribution)	Asymmetric [Type I-II-III-IV]						
Color Temperature (CCT)	4000K (3000K & 6500K options available)						
LED Manufacturer	CREE						
LED Model	XLamp XT-E						
Color Rendering Index (CRI)	≥ 70 (80CRI option available)						
Fixture Efficacy (Lm/W)	117	120	124	129	132	136	140
Fixture Output (Lm)	15,000	13,850	12,650	11,350	10,000	8,550	7,000
Reported Life Time (@Ta=50°C)	L90C10 > 109,000 hours						
Driver Life Time	> 100,000 hours @Tc=78°C			> 50,000 hours @Tc=90°C			

CONTROL OPTIONS	
Control Options	AstroDIM / StepDIM / DALI / Zhaga / NEMA (7-PIN Dimming Receptacle ANSI C136.41-2013).

* The fixture luminous flux tolerance is ±10% regarding the optical and electrical measurements.

SARDES-S5 SPECIFICATIONS

Housing :	Two pieces, die-cast ADC12 aluminum
Luminaire Structure :	Easy access and serviceability Available in Class I and Class II All parts and mountings are outdoor corrosion free No moving parts, LED cover is fall protected Luminaire has a unique Redundant Protection. On case of disconnected burned LED, the luminaire will continue to give same light output from the rest of the LED circuits.
Operating Temperature :	-40°C to +50°C (-40°F to +122°F)
Mounting :	1.380" - 2.375" (35 - 60mm) O.D. Tenons
Mounting Methods :	Horizontal Entry or Post-Top Mount
Weight :	14.3 lbs (6.5 kg)
Optic Cover :	4mm tempered glass
Lens material :	PMMA [Acrylic]
UV Protection :	All outer components
Ingress Protection :	IP66
Impact Resistance :	IK09 [Body] / IK08 [Glass]
Finish :	Durable polyester powder coating topcoat Product has marine grade coating
Available Colors :	RAL 7040 [other RAL colors available upon request]
Body Material & Recycle :	Al. Cast / Luminaire recyclable > 70 %
Reports :	CE, CB, ENEC, ISTMT, LM-79-08, LM-82-11, LM-80-08/TM-21-11



	S5-70	S5-63	S5-56	S5-49	S5-42	S5-35	S5-29	S5-24
Number of Drivers	1	1	1	1	1	1	1	1
Number of LEDs	20	20	20	20	20	20	20	20
LED Driver Currents (A)	1.05	0.95	0.85	0.75	0.65	0.55	0.45	0.35
Power Consumption (W)	70	63	56	49	42	35	29	24
Input Voltage (V)	220-240	220-240	220-240	220-240	220-240	220-240	220-240	220-240
Output Voltage (V)	35-115	35-115	35-115	35-115	35-115	35-115	35-115	35-115
Max ambient temperature (Ta)	+40°C	+50°C	+50°C	+50°C	+50°C	+50°C	+50°C	+50°C
Surge Protection	10kV for L/N-Ground, 6kV for L-N.							
Over Temperature for Driver	85°C (Overheating Protection)							
Power Factor (PF)	> 0.95							
Operating Mode	Constant Current							
Frequency	50-60 Hz							
Output Ripple Current (100Hz)	10%							

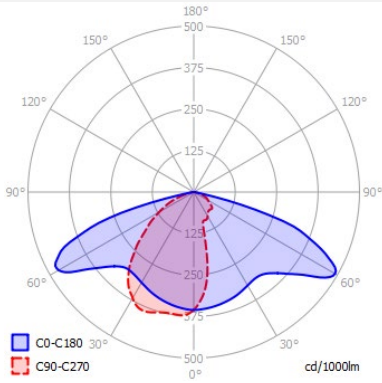
OPTICS & PERFORMANCE								
Photometry (Distribution)	Asymmetric [Type I-II-III-IV]							
Color Temperature (CCT)	4000K (3000K & 6500K options available)							
LED Manufacturer	CREE							
LED Model	XLamp XT-E							
Color Rendering Index (CRI)	≥ 70 (80CRI option available)							
Fixture Efficacy (Lm/W)	93	97	102	106	112	117	121	125
Fixture Output (Lm)	6,500	6,100	5,700	5,200	4,700	4,100	3,500	3,000
Reported Life Time (@Ta=50°C)	L90C10 > 109,000 hours							
Driver Life Time	> 100,000 hours @Tc=73°C				> 50,000 hours @Tc=85°C			

CONTROL OPTIONS	
Control Options	AstroDIM / StepDIM / DALI / Zhaga / NEMA (7-PIN Dimming Receptacle ANSI C136.41-2013).

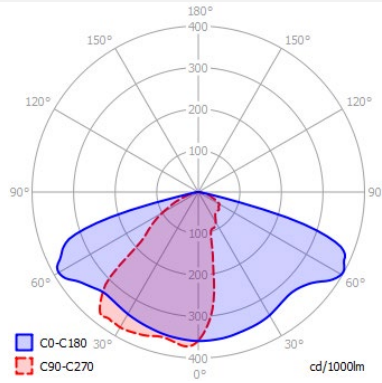
* The fixture luminous flux tolerance is ±10% regarding the optical and electrical measurements.

PHOTOMETRY OPTIONS

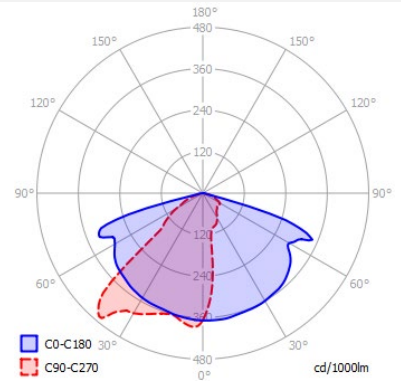
L1 (Type II)



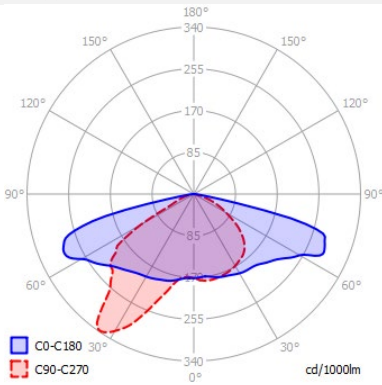
L2 (Type II)



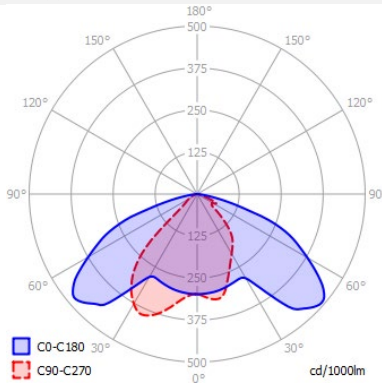
L3 (Type II)



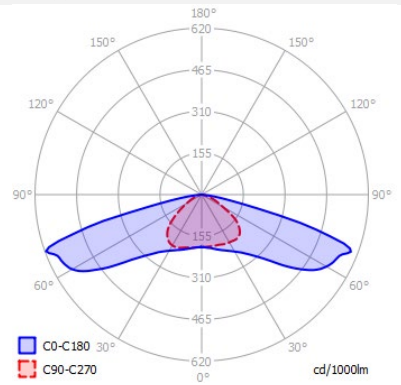
L4 (Type II)



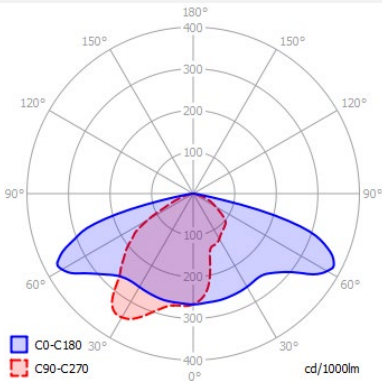
L5 (Type I)



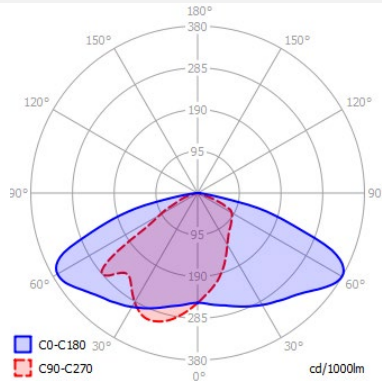
L6 (Type I)



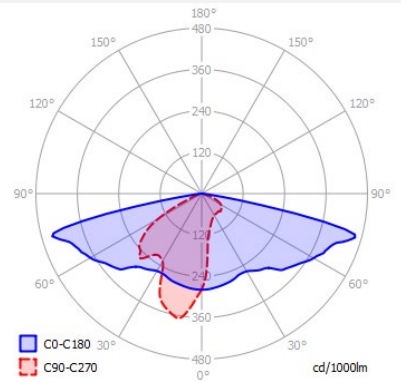
L7 (Type II)



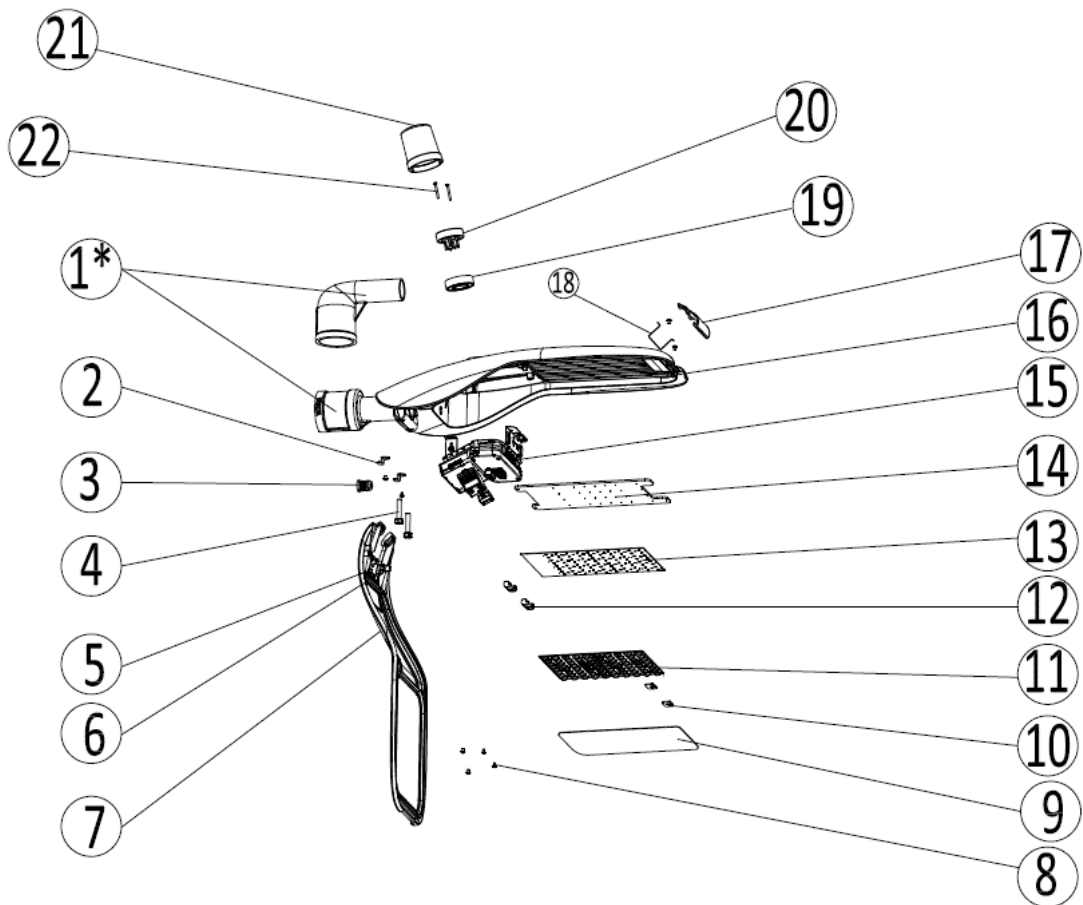
L8 (Type II)



L9 (Type II)



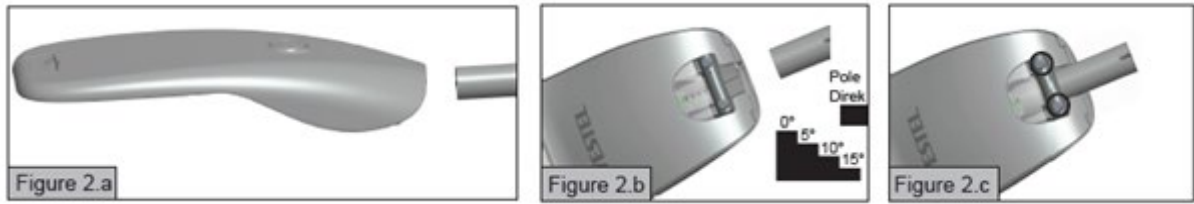
EXPLODED VIEW



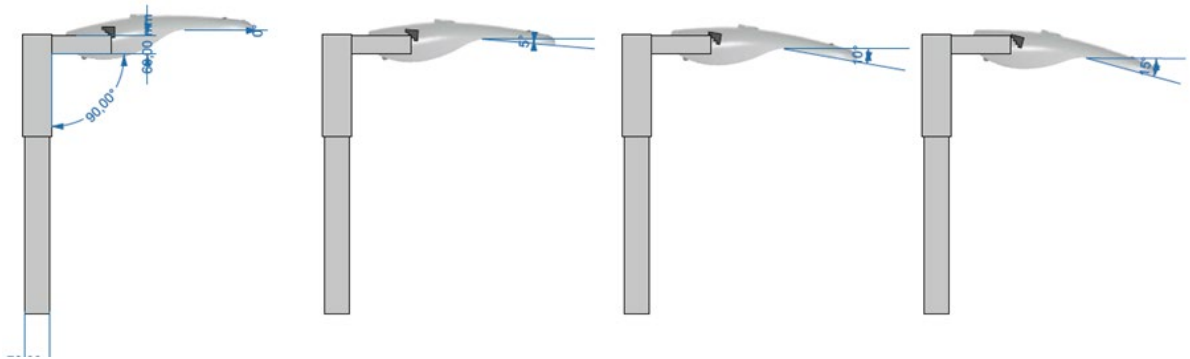
NO	DEFINITION	PIECE
1	POLE HOLDER (OPTIONAL)	1
2	BOTTOM FIXING BRACKET	2
3	METAL RAKOR	1
4	SCREW M10X50 8.8 720H	2
5	BOTTOM CAPS PLASTIK	1
6	SPRIT LEVEL	1
7	BOTTOM AL ROAD (RAL 7040)	1
8	SCREW M3X6.5 TAPTITE ROHS	20
9	GLASS LED TEMPERED	1
10	PCP METAL FIXING BRACKET	2
11	LED LIGHTING LENS	20
12	PLASTIC CLIPS	2
13	PCB 001	1
14	PCB PLATE	1
15	POWER SUPPLY	1
16	TOP AL ROAD (RAL 7040)	1
17	METAL CLIPS	1
18	CLIPS WIRE ROADLIGHT	1
19	NEMA SEAL (OPTIONAL)	1
20	CONNECTOR (OPTIONAL)	1
21	COVER (OPTIONAL)	1
22	SCREW M4X40 (OPTIONAL)	2

MOUNTING OPTIONS

The fixtures can be mounted to the poles with diameter of 35-60mm by pole fixing bracket. No pole holder needed.



The fixture can be mounted at any desired angle between 0° and 15° with 5° steps.



For the poles with 60-76mm diameter, the fixtures can be mounted with an additional adaptor for pole-top position. The adaptors can be supplied by our company.

