

SonneLITER

se'lux®



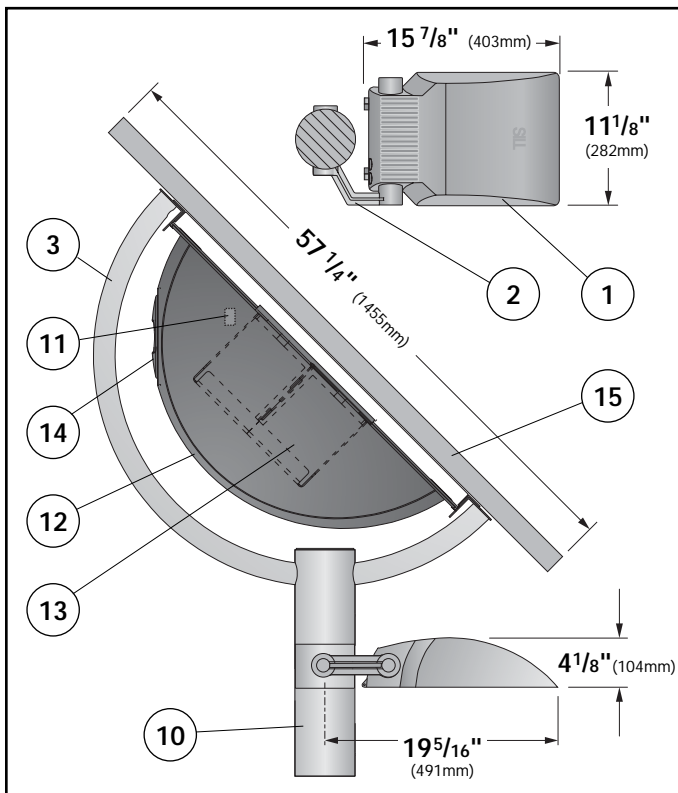
Project: _____

Type: _____ Qty: _____

SDS2 - - - - -
 Series Lamping Reflector Batteries Panel Hours of Operation Finish Option Option
 S50 - - -
 Pole Series Finish Height

Series	Lamping	Reflector	Batteries*	Panel*	Hrs. of Operation	Finish	Options
SDS2 SonneLITER Solar Powered Lighting System	H039T6 39W T6 MH G12 Base	3T Wide Beam 9T Batwing	B1 One 12V, 82 Amp/H B2 Two 12V, 82 Amp/H B3 One 12V, 100 Amp/H B4 Two 12V, 100 Amp/H	P1 80W (Single) P2 125W (Single) P3 160W (Double) P4 250W (Double)	2H 2 hours on after sunset 4H 4 hours on after sunset 6H 6 hours on after sunset 8H 8 hours on after sunset 10H 10 hrs. on after sunset 3/1H 3 hrs. on/ off / 1 hr. on 4/2H 4 hrs. on/ off / 2 hrs. on 6/2H 6 hrs. on/ off / 2 hrs. on DTD Dusk to dawn	WH White BK Black BZ Bronze SV Silver GV Galvanized SP Specify RAL#	PANEL MOUNTING ANGLE* PM0 0° *standard panel PM1 15° mounting PM3 30° angle = 45° MD Motion Detector VR Vandal Resistant fasteners with all covers BP Back Panel (covering back of solar panel)
	F18 18W CFL F26 26W CFL F32 32W CFL	3F Wide Beam 9F Batwing					

*Batteries and Panel requirements to be determined by SELUX engineering for every project, please consult factory.



1. Fixture Housing - Die cast aluminum fixture housing with integral heat dissipating fins.

2. Mounting Arm - Die cast aluminum mounting arm, serrated to lock fixture into aimed position.

3. Panel Support Frame - Steel frame supports solar panels and storage batteries. Integrated pole fitter allows independent orientation to fixture.

4. Gasketing - (not shown) Continuous molded silicone gasket provides seal at door and glass opening.

5. Reflector - (not shown) Precision formed aluminum reflector offering various distribution types.

6. Lamp - (not shown) Choose a 39 Watt T6 metal halide; or a Twin tube 18 Watt or a Triple tube 26 or 32 Watt four-pin compact fluorescent. G12 base for the T6, GX24q-2 base for the 18 Watt, GX24q-3 base for the 26 Watt and 32 Watt. Supplied with fixture.

7. Socket - (not shown) G12 base for T6 MH; 4 pin base for CFL lamps

8. Ballast - (not shown) 12 V DC Electronic ballast for CFL or 24 V DC Electronic ballast for Metal halide lamp, mounted to removable tray for ease of maintenance. All electrical connections are prewired. Electrical harness is equipped with quick disconnects to the fixture, batteries and solar panels.

9. Access Door - (not shown) Tempered glass door, hinged with integral die cast hinges, and secured with captive stainless steel hardware for ease of maintenance.

10. Pole fitter - Fitter for upper assembly and light fixture secured with six stainless steel, Allen head set screws. Fitters are 5"(127mm) I.D. external fitter for 5"(127mm) O.D. poles.

11. Smart Controller - Monitors and

regulates charging and discharging of batteries (preventing over charging). Programmable to control hours of operation (in relation to dusk and dawn). Accessible through access hatch. Warrantied (limited) by controller manufacturer for 5 years.

12. Battery Covers - Battery compartment is enclosed with molded recycled ABS with integrated UV protective outer shell. Covers are removable without tools, locked in place with controller access hatch. Vandal resistant fasteners (VR) optionally available.

13. Batteries - (1 or 2) 12 Volt, 82 or 100 Amp Hour for CFL; or (2) 12 Volt, 82 or 100 Amp Hour for Metal Halide lamp. Maintenance free, non-spillable, sealed gel electrolyte batteries. Mounted to hinged battery tray for ease of maintenance.

14. Access Hatch - Integrated access hatch locks battery covers in place and provides access to smart controller. Hatch locks in place with captive hardware.

15. Solar Panels - Multi-crystalline photovoltaic modules, in 80W and 125W single and double panels. Panel wattages are nominal. Power output warrantied (limited) by solar panel manufacturer for 20 years.

Exterior Luminaire Finish - SELUX utilizes a high quality Polyester Powder Coating. All SELUX luminaires and poles undergo a five stage intensive pre-treatment process where product is thoroughly cleaned, phosphated and sealed. SELUX powder coated products provide excellent salt and humidity resistance as well as ultra violet resistance for color retention. All products are tested in accordance with test specifications for coatings from ASTM and PCI. Standard exterior colors are White (WH), Black (BK), Bronze (BZ), and Silver (SV). RAL colors (SP) are available, please specify RAL#. Hot Dip Galvanized finish (GV) on all steel parts also available. ABS parts supplied in Grey.

Union Made
 Affiliated with
 IBEW Local 363



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 SDS2-0806-01 (ss-V1.6)

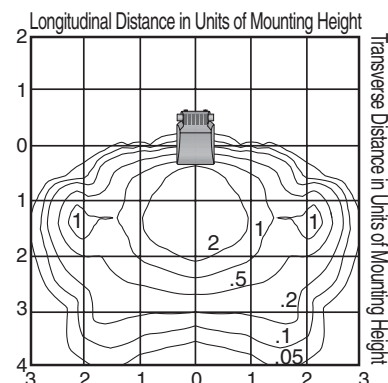
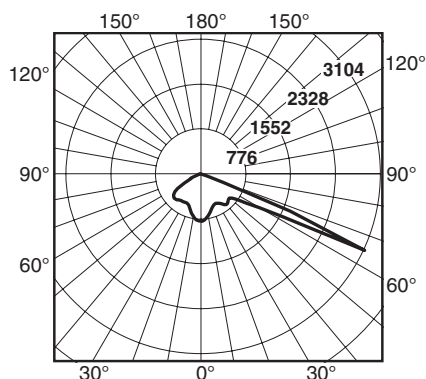
In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at www.selux.com/usa are the most recent versions and supercede all other printed or electronic versions.

Photometry

SDS2 w/39W T6 MH lamp & 3T reflector

Catalog # SDS2 - H039T6 - 3T - 1
Report # 067199

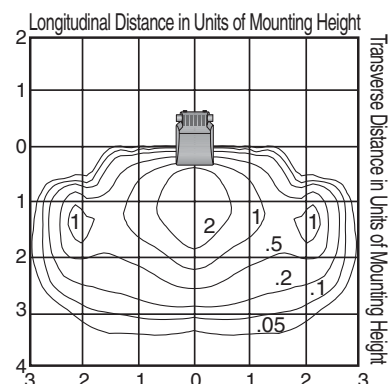
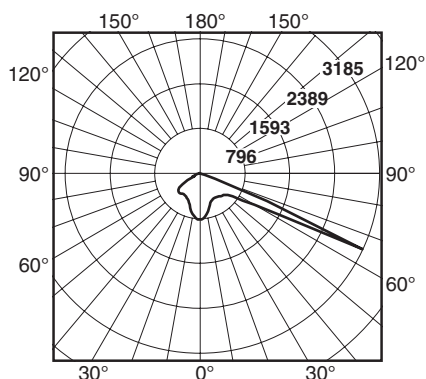
- Maximum candela of 3104.4 at 65° from vertical.
- IES classification -Type I Full Cutoff



SDS2 w/39W T6 MH lamp & 9T reflector

Catalog # SDS2 - H039T6 - 9T - 1
Report # 063199

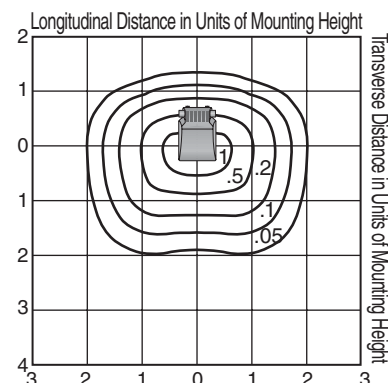
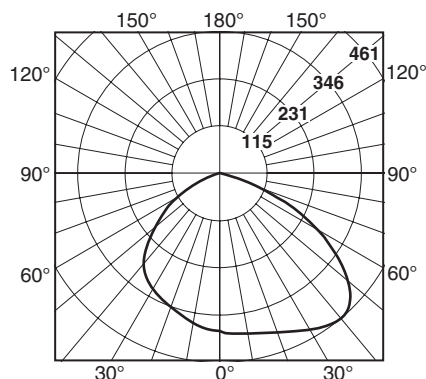
- Maximum candela of 3185 at 65° from vertical.
- IES classification -Type I Full Cutoff



SDS2 with 26W CFL & 3F reflector

Catalog # SDS2 - F26 - 3F - 1
Report # ITL 070199

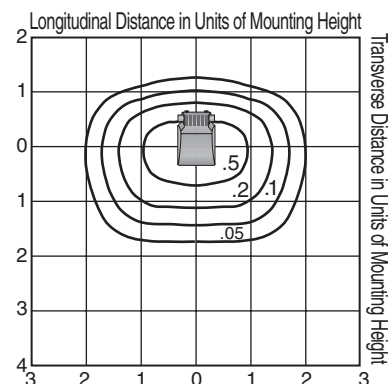
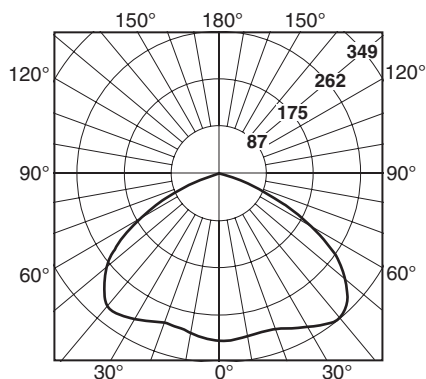
- Maximum candela of 461 at 40° from vertical
- IES classification: Type II Full Cutoff
- 1 x Dulux[®] T/E 26W amalgam compact fluorescent lamp, GX24q-3 socket



SDS2 with 26W CFL & 9F reflector

Catalog # SDS2 - F26 - 9F - 1
Report # ITL 069199

- Maximum candela of 349 at 40° from vertical
- IES classification: Type II Full Cutoff
- 1 x Dulux[®] T/E 26W amalgam compact fluorescent lamp, GX24q-3 socket



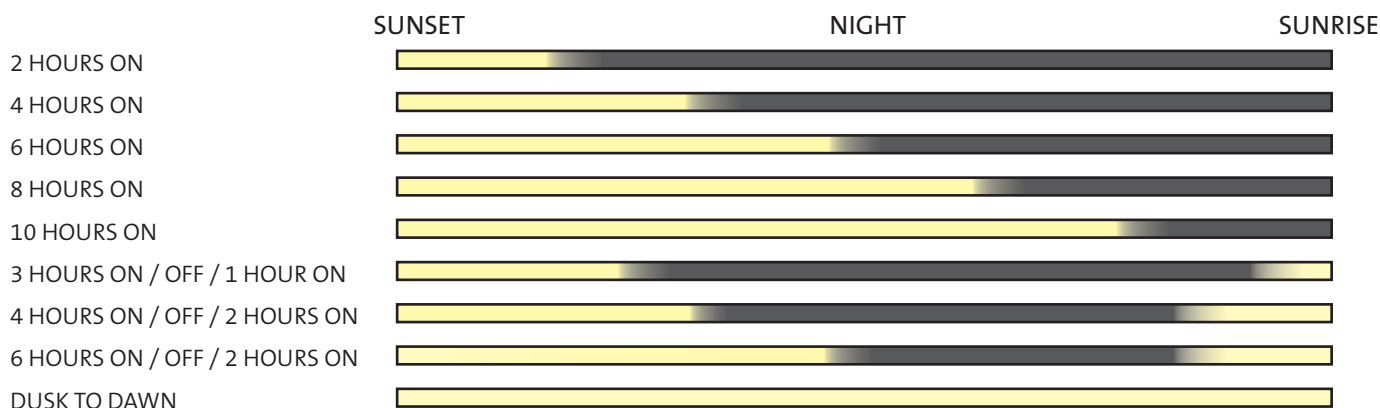
T6 Metal Halide Lamp Prorate Table		
Wattage	Factor	Initial Lumens
39	1.00	3400

CFL Lamp Prorate Table		
Wattage	Factor	Initial Lumens
18	0.52	1250
26	0.75	1800
32	1.00	2400

Conversion Chart		
Values based on 12' (3.7M) mounting height.		
Mounting Height		Multiply
10'	(3.0M)	1.44
12'	(3.7M)	1.00
14'	(4.3M)	0.73
16'	(4.9M)	0.56
18'	(5.5M)	0.44

Hours of Operation

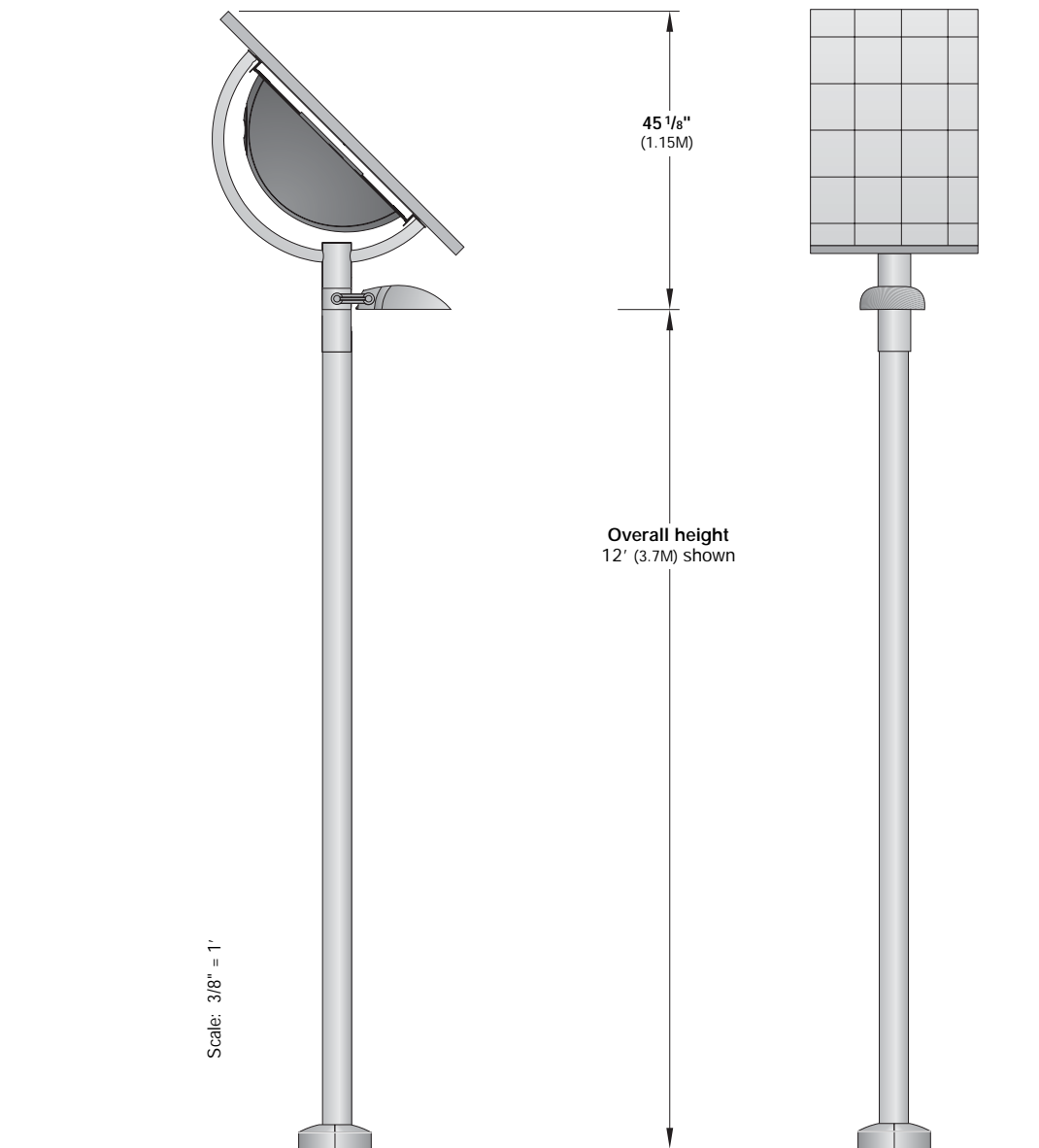
Luminaire is preset at factory to operate at pre-determined hours of operation as in chart below. "2 Hours On" signifies that the lamp will turn on at sunset and stay on for two hours at which time it will shut off until sunset of the following day. Progressively longer periods of operation after sunset are achieved with selections 4, 6, 8 and 10 Hours On. "3 Hours On / Off / 1 Hour On" selection gives three hours of operation directly after sunset and one hour before sunrise, for a total of four hours operation. Please consult SELUX engineering for required Panel and Batteries configuration for each job specific application.



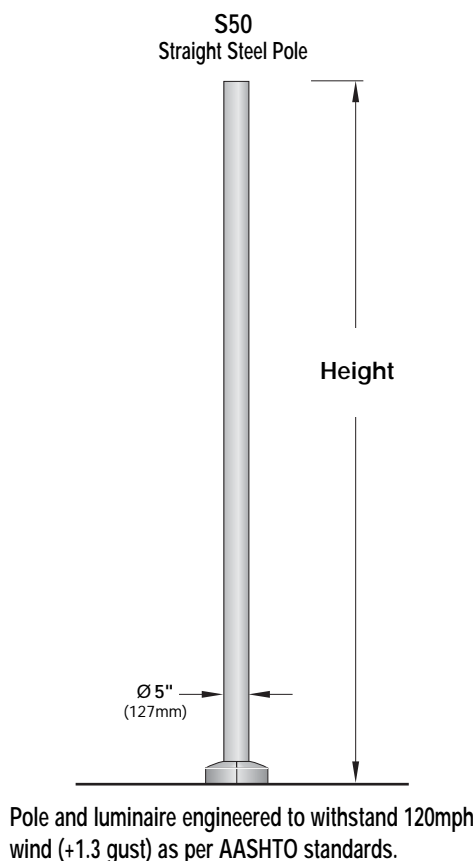
EPA / Weight Chart for all SonneLiter configurations

Fixture Assemblies EPA's & Weights						
Panel Size	Panel	Batteries	EPA		Weight	
			Ft ²	M ²	lbs.	kg
80 Watt	1 x 80W Panel	1 x 82 Amp Hour	7	0.7	227	103.0
80 Watt	1 x 80W Panel	2 x 82 Amp Hour	7	0.7	280	127.0
80 Watt	1 x 80W Panel	1 x 100 Amp Hour	7	0.7	237	107.5
80 Watt	1 x 80W Panel	2 x 100 Amp Hour	7	0.7	300	136.1
160 Watt	2 x 80W Panel	1 x 82 Amp Hour	13	1.2	247	112.0
160 Watt	2 x 80W Panel	2 x 82 Amp Hour	13	1.2	300	136.1
160 Watt	2 x 80W Panel	1 x 100 Amp Hour	13	1.2	257	116.6
160 Watt	2 x 80W Panel	2 x 100 Amp Hour	13	1.2	320	145.1
125 Watt	1 x 125W Panel	1 x 82 Amp Hour	10	0.9	237	107.5
125 Watt	1 x 125W Panel	2 x 82 Amp Hour	10	0.9	291	132.0
125 Watt	1 x 125W Panel	1 x 100 Amp Hour	10	0.9	247	112.0
125 Watt	1 x 125W Panel	2 x 100 Amp Hour	10	0.9	301	136.5
250 Watt	2 x 125W Panel	1 x 82 Amp Hour	22	2.0	264	119.7
250 Watt	2 x 125W Panel	2 x 82 Amp Hour	22	2.0	318	144.2
250 Watt	2 x 125W Panel	1 x 100 Amp Hour	22	2.0	291	132.0
250 Watt	2 x 125W Panel	2 x 100 Amp Hour	22	2.0	345	156.5

Mounting



Pole Information

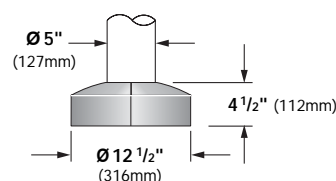


Pole Series	Height	Finish
S50 5" Diameter Straight Steel Pole	12 12 ft.	WH White
S50 5" Diameter Straight Steel Pole	14 14 ft.	BK Black
S50 5" Diameter Straight Steel Pole	16 16 ft.	BZ Bronze
S50 5" Diameter Straight Steel Pole	18 18 ft.	SV Silver
		GV Galvanized
		SP Specify RAL#

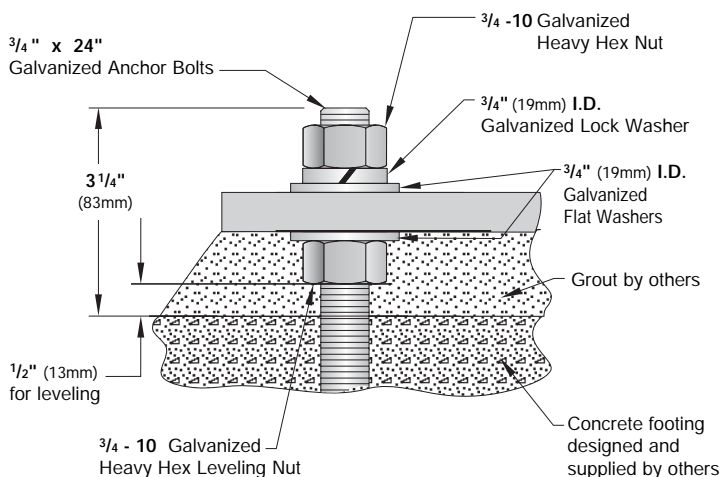
Other pole configurations available, consult factory.

BC3 Standard Base Cover

Die cast aluminum, two-piece field installable base cover.



Anchor Bolt Detail



Bolt Circle (S50)

Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown.

