



SONAR SPC12

Vandal Resistant

SPC12 Series LED

Fixture Type	Date
Job Name	Approved By
Catalog Number	

SPECIFICATIONS

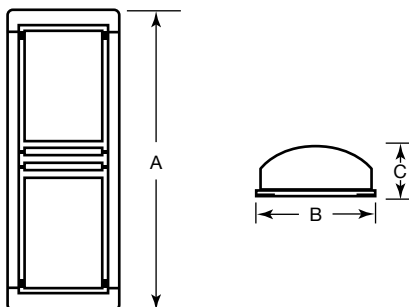
ADA
ADA Compliant



Description	The Sonar SPC12 series features nearly unlimited architectural flexibility while maintaining maximum vandal resistance. A wide variety of grill configurations, colors and lengths are available which can be combined in nearly unlimited ways. Furthermore, the all aluminum body construction allows the Sonar SPC12 series to be used in many environmental conditions.
Housing	Marine grade heat treated extruded aluminum. Finished with Super Durable Corrosion Resistant powder coat (SDCR) that meets AAMA 2605 high performance specification, providing superior UV durability and corrosion resistance. Salt spray test: 4,000 hours.
Grill	Marine grade die cast aluminum finished with polyester powder coat and secured to housing with tamper resistant stainless steel machine screws.
Lens	Extruded UV stabilized polycarbonate with integral prisms. Maximum wall thickness 0.160". Secured to housing with die cast aluminum clamps and stainless steel TORX® head screws.
End Caps	Die cast marine grade aluminum with conduit knockouts that are visible from interior of end cap.
Drivers	Dimming to 1%, 10% or Programable Lumen Output driver options. Non-Dimming Driver is also available.
LED	Samsung LM561B+ series @ 2700K, 3000K, 3500K, 4000K, or 5000K and 82 CRI wired in parallel-series. L ₇₀ projected life of over 130,000 hours at 50°C.
UL Listing	U.L., C.UL. Damp Location Listing standard, Wet Location Listing optional.
Government Procurement	BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations. BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act. Please refer to www.acuitybrands.com/buy-american for additional information.
Warranty	Lifetime warranty against vandalism. Luminaire LED will repair or replace any fixture damaged due to vandalism for the lifetime of the installation. 10-year warranty on LED boards against operational defects. Tested in accordance with LM-80.
Note	Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

DIMENSIONAL DATA

	A	B	C
SPC12 12IN	12.36	12.40	4.00
SPC12 18IN	18.36	12.40	4.00
SPC12 24IN	27.62	12.40	4.00
SPC12 34IN	37.72	12.40	4.00
SPC12 46IN	49.72	12.40	4.00



ORDERING INFORMATION

Example: SPC12 2CR 12IN MIN1 40W 27K 120 CLP WHT

Series*		Trim*		Size (Nominal)* ²		Drivers*		Dual Drivers (Optional)		Wattage (Nominal) ²		
SPC12	Vandal Resistant ADA Compliant Decorative Linear Sconce 12" Wide Luminaire	2CR	2 Centered Bars	12IN ³	MIN1	Dimming to 1%	2DRV	Two LED drivers for independent LED board operations	20W	50W	100W	
		20F	2 Offset Bars	18IN ³	MIN10 ⁴	Dimming to 10%			25W	60W	125W	
		3CR	3 Centered Bars	24IN	NODIM	Non-Dimming Driver			40W	80W	160W	
		30F	3 Offset Bars	34IN	PRD Driver Programmed to Specific Lumen Output. To specify lumens, see size and lumen chart, Consult Factory PRD not available with Wattage PRD standard 0-10V dimming to 1%	Required for all drivers except PRD driver						
		40F	4 Bars, Sets of 2	46IN								
		60F2 ¹	6 Bars, Sets of 2									
		60F3 ¹	6 Bars, Sets of 3									
		90F ¹	9 Bars, Sets of 3									
		CUS	Custom Bars									
		NB	No Bars									

Lumens (For PRD Only)	CCT*		Voltage*		Lens*		Finish*	
600LM - 17500LM - Lumens available in 100LM increments <i>Lumens required if PRD driver chosen</i>	27K	2700K	120	120 Volt	CLP	Clear Prismatic	BLK	Black
	30K	3000K	277	277 Volt	OP	Opal	WHT	White
	35K	3500K	MVOLT	120-277 Volt			BRZ	Bronze
	40K	4000K	347	347 Volt			GRY	Gray
	50K	5000K					SIL	Silver
							CUST	Custom Color, Consult Factory
							RALTBD	Ral Paint finishes
<i>RALTBD for pricing only. Replace with applicable RAL call out when ready to order. See the RAL BROCHURE for available options.</i>								

*Required

Ordering Information continued next page.

OPTIONS

Emergency ⁴					
EMB310 ^{1,5}	Self contained, 90 minute emergency battery pack. 0°C (32°F) to 55°C (131°F) 1200 lumens			EMB20R ^{6,10}	Remote mounted micro inverter that will operate a 25W maximum load for 90 minutes. 0°C (32°F) to 45°C (113°F)
EMB310ST ^{1,5,9}	Self-testing, self contained, 90 minute emergency battery pack. 0°C (32°F) to 55°C (131°F). Meets CA Title 20 Standards. 1000 lumens			EMB125R ⁶	Remote inverter that will operate a maximum 125W load for 90 minutes. 20°C (68°F) to 30°C (86°F)
EMB310T20 ^{5,7}	Self contained, 90 minute emergency battery pack. 0°C (32°F) to 55°C (131°F). Meets CA Title 20 standards. 1200 lumens			EMB250R ⁶	Remote inverter that will operate a 250W maximum load for 90 minutes. 20°C (68°F) to 30°C (86°F)
EMB722 ^{1,5,7,8}	Self contained, 90 minute emergency battery pack for 25W operation only. 0°C (32°F) to 60°C (140°F). 2600 lumens			EMB375R ⁶	Remote inverter that will operate a 375W maximum load for 90 minutes. 20°C (68°F) to 30°C (86°F)

Pendant Type/Length	Back Box	Environment	Fusing	Photocell	Sensors ^{14,15,16}
Rigid Stems RG_ ^{1,11,12} (12" - 96") <i>Order in 12" increments up to 96".</i>	COR Corner mounted back box	WL ^{11,12} Wet Location	GLR ¹³ Fuse and Fuse Holder	PC ¹³ Photoelectric Switch	OCC ¹⁷ Microwave occupancy sensor mounted behind the lens. On/Off operation only. OCC50 ^{1,3,17} Microwave occupancy sensor. 50% of LED's constantly on and 50% sensed on/off. OCCBT Bluetooth connected microwave occupancy sensor mounted behind the lens. All LED board sensed to dim to 50%, 40%, 30%, 20%, or 10%, field selectable low levels. OCCFA ¹⁷ Microwave occupancy sensor mounted behind the lens. All LED board sensed to dim to 50%, 30%, 20%, or 10%, field selectable low levels. Factory standard preset of 50% dimming level and 20 minute time out

Nightlight (Consult Factory)		Mounting Hardware	Hardware
AMBNL	Amber LED Night Light with field adjustable levels with peak wavelengths at 593 nm. Requires separately controlled circuit. Consult factory for availability	DRPCP ^{1,11,12} Aluminum drip cap finished with white polyester powder coat to be used when pendant mounted	PHSC Phillips Head screws instead of TORX® head
LEDNL	LED Night Light with field adjustable levels matched to CCT of main source. Requires separately controlled circuit		PHPS Painted Phillips screws to match luminaire finish
REDNL	Red LED Night Light with field adjustable levels with peak wavelength at 621 nm. Requires separately controlled circuit. Consult factory for availability		TXPS Painted TORX® screws to match luminaire finish

Ordering Notes

1. Not available in 12IN or 18IN.

2. See Size and Wattage Chart.

3. Not available with 2DRV.

4. Not available with 347V.

5. Not a available with 160W.

6. Not available with MVOLT.

7. Not available in 24IN with OCC, OCC50, OCCFA.

8. Not available in 24IN with 80W or 2DRV.

9. Not available in 12IN, 18IN or 24IN.
10. Not available with Lumens over 1900LM or Wattage over 25W.

11. Not available with COR.

12. WL and DRPCP is required with Rigid Stems (RG_).

13. Not available with MVOLT or 347.

14. Not available in 160W or 125W with 347V.

15. Not available with EMB20R, EMB125R, EMB250R, EMB375R.

16. Not available in 12IN.

17. Not available in 125W with EMB722.

Accessories: Order as separate catalog number

TXSD TORX® Screwdriver Bit

Initial shipment includes one (1) TXSD per fixture.

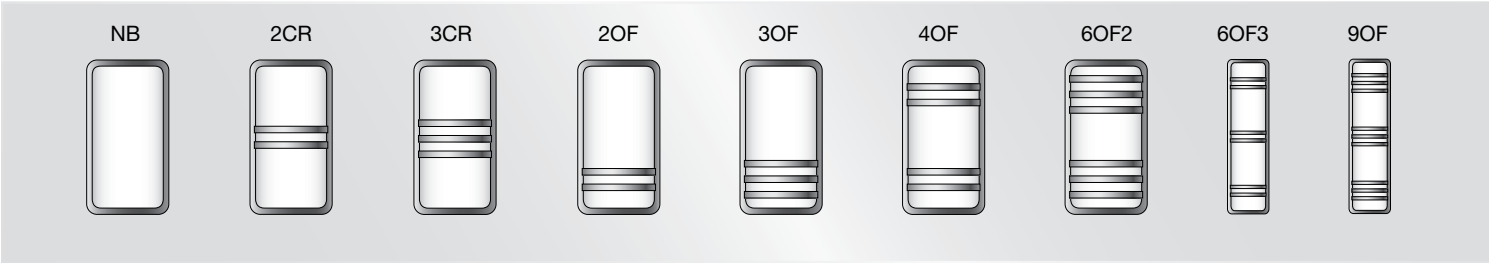
SIZE & WATTAGE CHART

Size	Wattage
12IN	20W 25W 40W
18IN	20W 25W 40W
24IN	40W 50W 80W
34IN	60W 125W 80W
46IN	50W 80W 100W 160W

SIZE & LUMEN CHART (For PRD)

Size	Lumen Range
12IN	600LM - 3800LM
18IN	700LM - 4400LM
24IN	1100LM - 8800LM
34IN	2100LM - 13100LM
46IN	1900LM - 17500LM

TRIM DETAILS



PHOTOMETRIC DATA

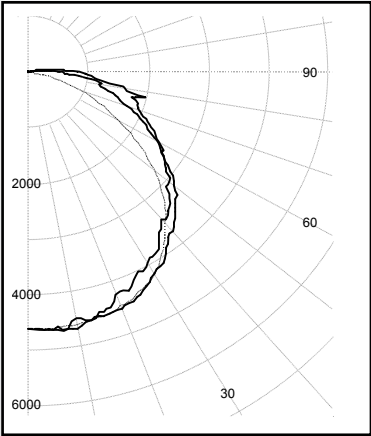
Model	Watts	Input Watts	Delivered Lumens		Delivered Lumens		Delivered Lumens		Delivered Lumens		Delivered Lumens	
			Clear	Opal	Clear	Opal	Clear	Opal	Clear	Opal	Clear	Opal
			2700K		3000K		3500K		4000K		5000K	
SPC12 12IN	20W	20.0	1733	1606	1751	1622	1787	1657	1844	1709	1899	1759
SPC12 12IN	25W	27.0	2283	2116	2307	2137	2355	2183	2429	2251	2501	2318
SPC12 12IN	40W	41.0	3466	3212	3502	3245	3576	3315	3687	3417	3797	3519
SPC12 18IN	20W	20.5	2000	1854	2021	1873	2063	1912	2128	1972	2191	2030
SPC12 18IN	25W	27.3	2663	2468	2692	2496	2748	2547	2833	2625	2917	2703
SPC12 18IN	40W	41.0	3999	3707	3835	3554	3914	3628	4255	3944	4383	4062
SPC12 24IN	40W	41.0	3999	3707	3835	3554	3914	3628	4255	3944	4383	4062
SPC12 24IN	50W	54.7	5335	4945	5117	4743	5222	4841	5676	5262	5846	5419
SPC12 24IN	80W	82.0	7999	7414	7672	7111	7829	7257	8510	7888	8765	8125
SPC12 34IN	60W	61.5	5999	5561	5754	5334	5872	5443	6383	5916	6574	6093
SPC12 34IN	80W	82.0	7999	7414	7672	7111	7829	7257	8510	7888	8765	8125
SPC12 34IN	125W	123.0	11999	11123	11508	10668	11744	10886	12766	11834	13148	12188
SPC12 46IN	50W	54.7	5335	4945	5117	4743	5221	4840	5676	5261	5846	5419
SPC12 46IN	80W	82.0	7999	7414	7672	7111	7829	7257	8510	7888	8765	8125
SPC12 46IN	100W	109.0	10632	9856	10198	9453	10407	9647	11312	10486	11651	10800
SPC12 46IN	160W	164.0	15997	9856	15344	14223	15657	14513	17019	15776	17528	16249
SPC12xx	PRD		Programmable Driver. Must Specify Lumens in Ordering Information, see Chart above.									

PHOTOMETRIC DATA

MODEL SPC12 NB 46IN 160W 40K CLP
Delivered Lumens: 15,758 Lumens

Total Power: 164.0W

Testing was performed in accordance with IES LM-79-08

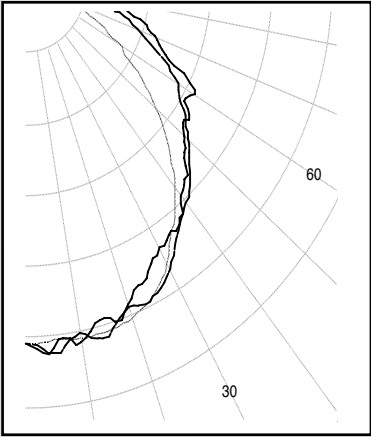


Zone	Lumens	% Lamps
0 - 30	3725	23.6
0 - 40	6163	39.1
0 - 60	11126	70.6
60 - 90	4141	26.3
0 - 90	15267	93.9
90 -180	491	3.1
0 - 180	15758	100.0

MODEL SPC12 12IN NB 40W 40K OP
Delivered Lumens: 3,414 Lumens

Total Power: 40.68W

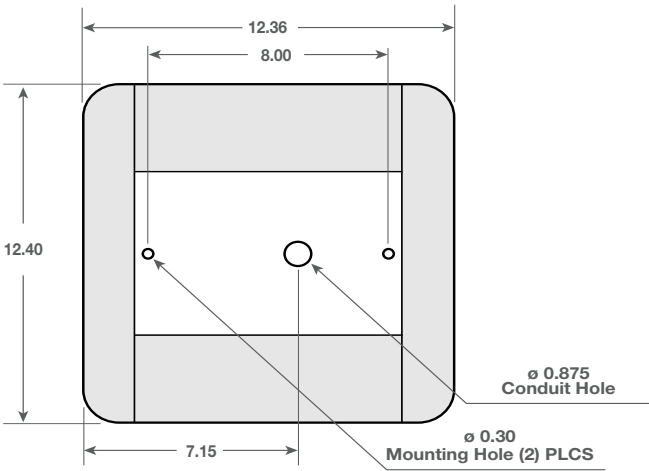
Testing was performed in accordance with IES LM-79-08



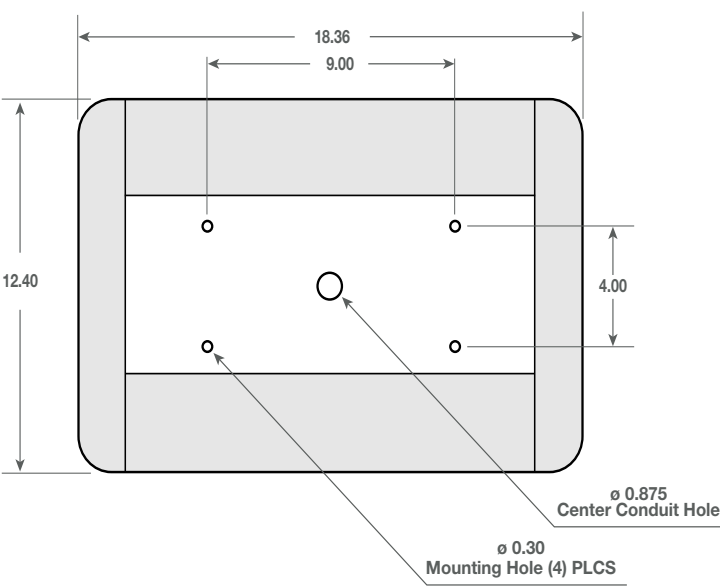
Zone	Lumens	% Lamps
0 - 30	825	24.1
0 - 40	1359	39.8
0 - 60	2445	71.6
60 - 90	3312	25.4
0 - 90	866	97.0
90 -180	103	3.0
0 - 180	3414	100.0

MOUNTING PLATE DETAILS

SPC12 12IN

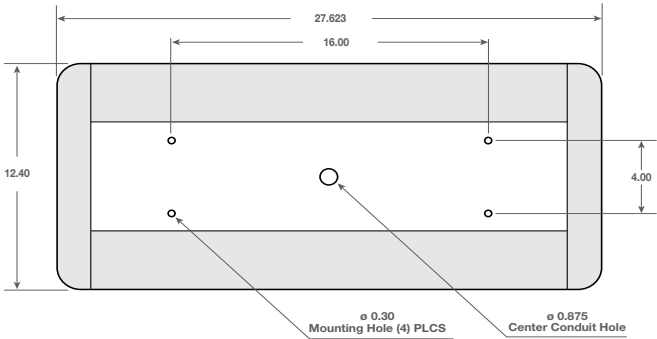


SPC12 18IN

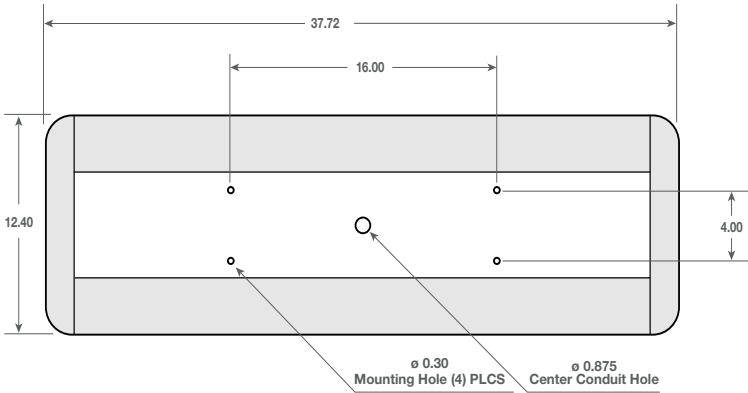


MOUNTING PLATE DETAILS

SPC12 24IN



SPC12 34IN



SPC12 46IN

