

WALL / CEILING/
PENDANT MOUNT
LAMPS: T5, T5HO, T8

Fixture Type

Date

Job Name

Approved By

Catalog Number

SPECIFICATIONS

ADA Compliant

Description The Sonar 12 series features nearly unlimited architectural flexibility while maintaining maximum vandal resistance. A wide variety of trims, colors and lengths are available which can be combined in nearly unlimited ways. Furthermore, the all aluminum body construction and optional wet location listing allow the Sonar 12 series to be used in many environmental conditions. Natatorium finish is standard for all versions of this fixture.



Housing Marine grade heat treated extruded aluminum. Chemically primed and finished with robotically applied polyester powder coat.

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 opal 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.

Ballast Electronic high frequency program start ballast with less than 10% total harmonic distortion, 120-277V, 347V optional.

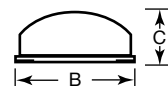
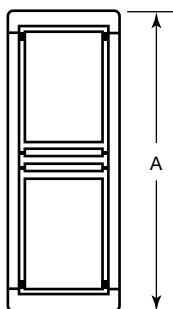
Sockets Precision spring loaded snap type for maximum impact damping.

UL Listing U.L., C.U.L., Damp Standard, Wet optional.

Lifetime Warranty Luminaire LED Incorporated will repair or replace any fixture damaged due to vandalism for the lifetime of the installation.

DIMENSIONAL DATA

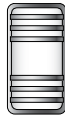
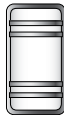
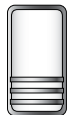
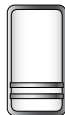
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SPC1222	26.08	12.40	4.00
SPC1224	27.62	12.40	4.00
SPC1234	37.72	12.40	4.00
SPC1236	39.72	12.40	4.00
SPC1246	49.72	12.40	4.00
SPC1248	51.72	12.40	4.00



ORDERING INFORMATION

SERIES	GRILL	LAMPS		VOLTS	LENS	COLOR	OPTIONS		TX/SD
SPC12 22"	NB	22" - 1F14T5	36" - 1F25T8	120-277	CP	BLK	PC	EMB50	
SPC12 24"	2CR	22" - 2F14T5	36" - 2F25T8	347	OP	WHT	GLR	EMB100	
SPC12 34"	3CR	22" - 3F14T5	36" - 3F25T8			BRZ	WET	EMB600	
SPC12 36"	2OF	22" - 1F24T5HO	36" - 4F25T8			GRY	COR	ST/SC	
SPC12 46"	3OF	22" - 2F24T5HO				CUST	JB		
SPC12 48"	4OF	22" - 3F24T5HO					PS		
	6OF	22" - 4F24T5HO	46" - 1F28T5				PRS		
	6.2OF		46" - 2F28T5				CW		
	9OF	24" - 1F17T8	46" - 3F28T5				LEDNL		
	CUS	24" - 2F17T8	46" - 1F54T5HO						
		24" - 3F17T8	46" - 2F54T5HO						
		24" - 4F17T8	46" - 3F54T5HO						
			46" - 4F54T5HO						
		34" - 1F21T5							
		34" - 2F21T5	48" - 1F32T8						
		34" - 3F21T5	48" - 2F32T8						
		34" - 1F39T5HO	48" - 3F32T8						
		34" - 2F39T5HO	48" - 4F32T8						
		34" - 3F39T5HO							
		34" - 4F39T5HO							

GRILL DETAILS



OPTIONS

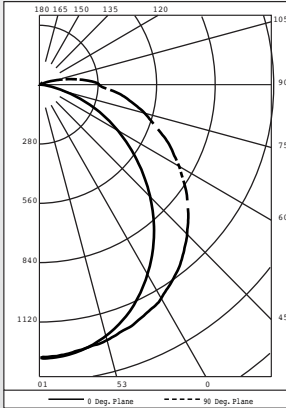
LENS	CP = Clear Prismatic Standard	OP = Opal Optional			
COLORS	BLK = Black	WHT = White	BRZ = Bronze	GRY = Gray	CUST = Custom Color (Consult Factory)
PC	Photoelectric switch.				
GLR	Fuse and fuse holder.				
WET	Silicone and neoprene gasketing for wet location. Surface mount only.				
COR	Corner mounted back box. Constructed from 16 gauge cold rolled zinc coated steel.				
JB	Die cast joiner band for continuous row mount. Consult factory for row information. Finished with white powder coat. Damp only.				
PS	Painted screws to match luminaire finish.				
PRS	Programmed start ballast.				
CW	Cold Weather instant ballast, -20°F minimum starting temperature. Available for T8 lamps only.				
LEDNL	LED Night Light.				
EMB 50	950-1350 lumen self contained 90 minute emergency battery pack. 0 °C (32 °F) to 55 °C (131 °F) operating range. Available for 24", 36" and 48" lengths. Not available in 347V.				
EMB100	350-450 lumen self contained 90 minute emergency battery pack. 0 °C (32 °F) to 55 °C (131 °F) operating range. Available for 24", 36" and 48" lengths. Not available in 347V.				
EMB600	025-1250 lumen self contained 90 minute emergency battery pack. 0°C (32°F) to 50°C (122°F). Available for 34" and 46" lengths. Not available in 347V.				
ST/SC	Slotted screws instead of TORX® head.				
TX/SD	TORX® head bit.				



PHOTOMETRIC DATA

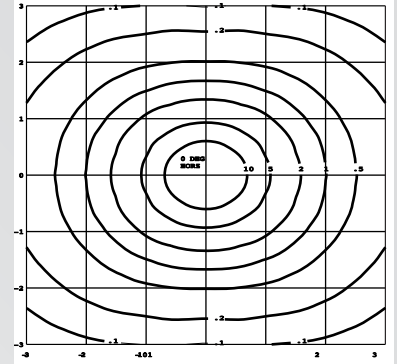
MODEL VPF124-232

Lamps: Two Philips F32T8-TL835 rated at 2850 lumens each. Total Efficiency: 74.2%



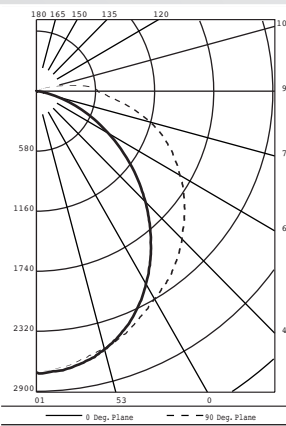
Zone	Lumens	% Lamps	%Fixt.
0 - 30	1004	17.6	23.7
0 - 40	1653	29.0	39.1
0 - 60	2976	52.2	70.4
0 - 90	4070	71.4	96.3
90 - 120	157	2.8	3.7
90 - 130	157	2.8	3.7
90 -150	157	2.8	3.7
90 -180	157	2.8	3.7
0 - 180	4227	74.2	100.0

Mounting Height 6' 7' 8' 9' 10'
 Multiplying Factor 1.78 1.31 1.00 0.79 0.64



MODEL VPF124-454HO

Lamps: Four Sylvania FP54/841/HO rated at 4400 lumens. Total Efficiency: 49.5%

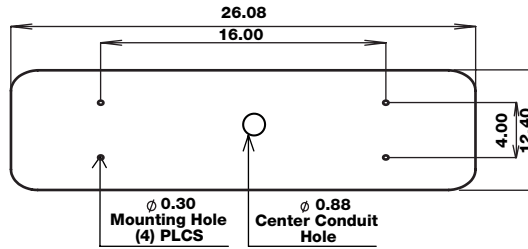


Zone	Lumens	% Lamps	%Fixt.
0 - 30	2072	11.8	23.8
0 - 40	3383	19.2	38.8
0 - 60	6047	34.4	69.3
0 - 90	8374	47.6	96.0
90 - 120	346	2.0	4.0
90 - 130	346	2.0	4.0
90 -150	346	2.0	4.0
90 -180	346	2.0	4.0
0 - 180	8720	49.5	100.0

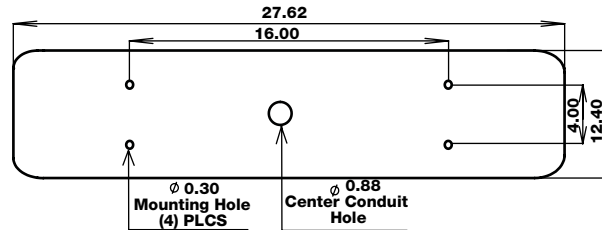
Mounting Height 6' 7' 8' 9' 10'
 Multiplying Factor 1.78 1.31 1.00 0.79 0.64

MOUNTING PLATE DETAILS

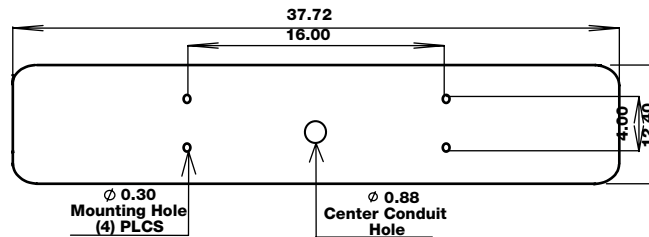
SPC 822



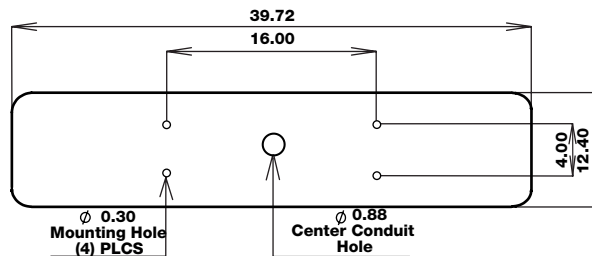
SPC824



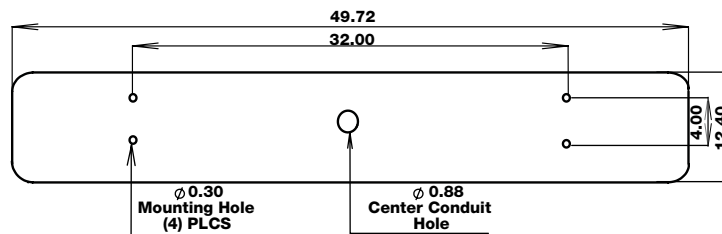
SPC834



SPC 836



SPC846



SPC 848

