

S4PAR16/20/30

4" PAR Downlights

SPEX

SX2-3

REV. 06/04

CAT. NO:

TYPE:

PROJECT:

PRODUCT INFORMATION

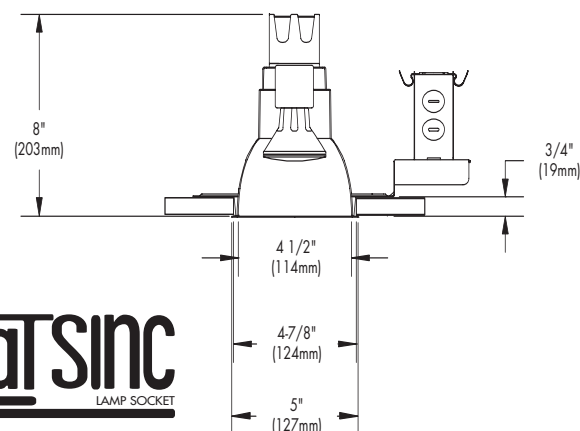
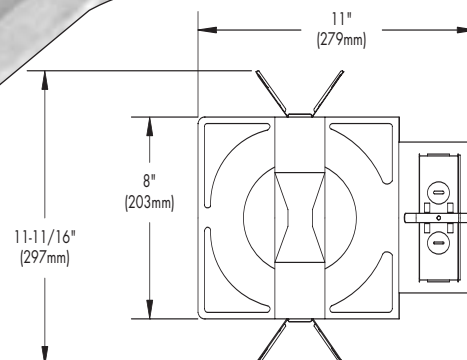
Applications

Low brightness, small aperture downlight suitable for general or accent lighting in restaurants, lobbies, hotels, offices, retail or residential applications.

Specifications

1. **Mounting pan** - Precision die-stamped 20 gauge bonderized steel mounting pan and yoke assembly. Accommodates ceiling materials up to 3/4" thick.
2. **Installation** - Mounting pan has pre-installed universal mounting brackets with vertical adjustment. Junction box and mounting brackets are accessible from below ceiling. For 30" C-channel hanger bars, specify Q1030 accessory, ordered separately. For 27" flat bar hangers, specify Q1031 accessory, ordered separately.
3. **Trim** - Precision spun .051 aluminum, self flanged with clear specular Alzak® finish. Standard flat flange is painted white. Optional polished flange matching finish available, add FF to catalog number.
4. **Socket** - Medium base 250V porcelain socket with nickel-plated copper screw shell and 200°C wire.
5. **Junction box** - Large 32-cubic inch 16 gauge galvanized steel with snap-on covers. Approved for through wiring with up to 8 #12 AWG conductors.
6. **Thermal protection** - A thermal protection device which meets all U.L. and NEC requirements is standard.
7. **U.L. Listed** - For use in damp locations. Approved for Through Branch Circuit Wiring. I.B.E.W. union made.

🍁 Canadian Specifications may vary from these shown, consult Canadian Division.



HeatSinc
LAMP SOCKET

CATALOG SYSTEM AND OPTIONS

EXAMPLE OF COMPLETE CATALOG NUMBER: **S4PAR16/20/30-T4CS**

Spex Aperture	Lamp (by others)***	-	Reflector Series/Size	Reflector Finishes *
S4	PAR16/20/30**		T4	
				CS Clear Specular (low IR)
				CSS Clear Semi Specular
				HZ Haze
				PW Pewter
				WT Wheat
				FF Finish Flange (add as suffix to color)

*Consult Factory for other reflector finishes.

**UL listed for PAR16 lamps up to 60watt max.

**UL listed for PAR20 lamps up to 50watt max.

**UL listed for PAR30 lamps up to 75watt max.

***PAR30 lamps must be long neck only.



OMEGA LIGHTING:
776 South Green St., Tupelo, MS 38804
Phone 662.842.7212 FAX 662.841.5501
www.omegalighting.com

CANADIAN DIVISION:
189 Bullock Drive, Markham, Ontario, Canada L3P 1W4
Phone 905.294.9570 FAX 800.268.0003

OMEGA
LIGHTING

S450PAR20-CS

Photometric Data

Clear Specular Reflector

Report Number: 24446

Lamp: (1)50PAR20

Total Lumens: 560

Fixture Efficiency: = 86.7%

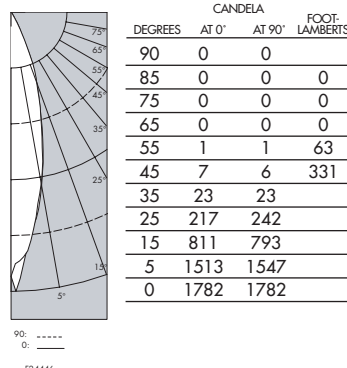
IES File: F24446.IES

S/MH Ratio = 0.5

Beam Angle: 27.08

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	58.9	2 - 8
10	31.7	3 - 7
12	19.7	4 - 7
14	13.5	5 - 6
16	9.8	6 - 6

DISTRIBUTION CURVE



COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20								
RC	80		70		50			
RW	50	30	50	30	50	30		
0	103	103	103	103	101	101		
1	100	97	95	93	96	95		
2	95	93	90	88	93	91		
3	93	88	84	82	91	86		
4	90	84	81	78	88	83		
5	86	81	77	75	84	80		
6	83	78	73	70	82	77		
7	81	75	70	68	80	75		
8	79	72	68	66	78	71		
9	76	69	66	64	76	69		
10	73	68	64	61	72	68		

S47PAR30-CS

Photometric Data

Clear Specular Reflector

Report Number: 24443

Lamp: (1)75PAR30LN NFL

Total Lumens: 1100

Fixture Efficiency: = 97.0%

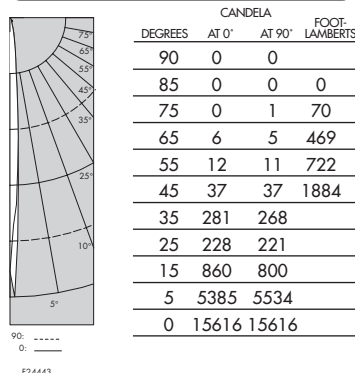
IES File: F24443.IES

S/MH Ratio = 0.1, 0.1

Beam Angle: 7.42

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	516.2	0 - 9
10	277.6	0 - 12
12	173.0	1 - 3
14	118.1	1 - 6
16	85.7	1 - 9

DISTRIBUTION CURVE



COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20								
RC	80		70		50			
RW	50	30	50	30	50	30		
0	114	114	114	114	112	112		
1	111	109	107	105	109	107		
2	107	103	100	96	105	102		
3	103	97	93	91	101	96		
4	100	93	90	85	97	93		
5	95	90	85	81	94	89		
6	93	85	81	79	92	85		
7	90	82	79	76	89	82		
8	88	81	76	72	86	80		
9	84	78	73	70	83	78		
10	82	76	71	68	81	76		

Additional photometric test files are available @ omegalighting.com