

OM450PAR20

4" PAR Downlights

CAT. NO:

TYPE:

PROJECT:

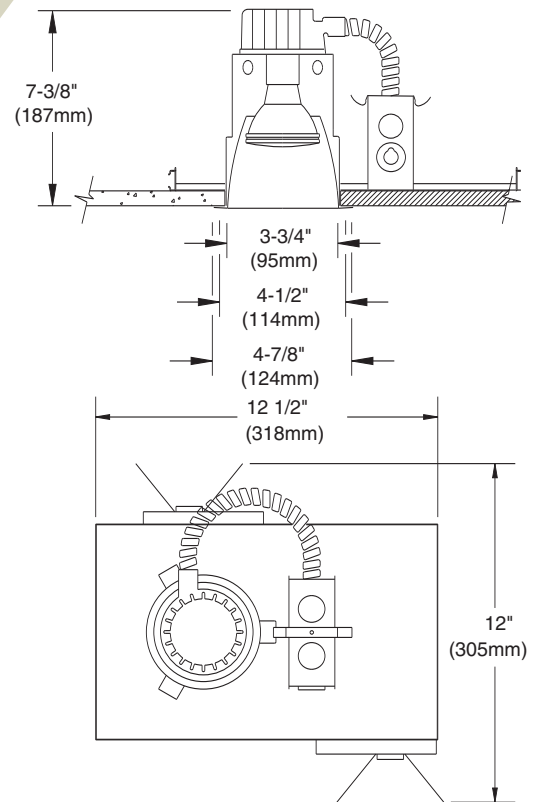
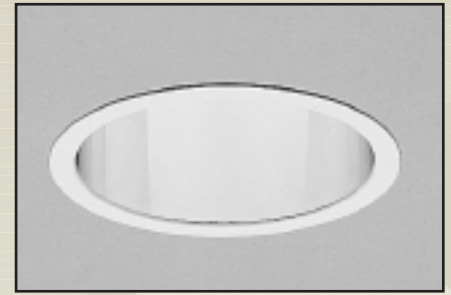
PRODUCT INFORMATION

Applications

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

Specifications

- Mounting pan** - Precision die-formed 22 gauge galvanized steel mounting pan.
- Housing** - 22 gauge deep drawn steel housing removable for access to junction box, matte black finish. Three (3) trim retainer clips riveted to housing at 120° secure reflector to fixture.
- 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 pair, specify Q1030 accessory, ordered separately. For 27" flat bar hangers, specify FB accessory, ordered separately.
- 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.
- Socket** - Medium base 250V porcelain socket with nickel-plated copper screw shell and 200°C wire.
- 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.
- Thermal protection** - A thermal protection device which meets all U.L. and NEC requirements is standard.
- U.L. Listed** - For use in damp locations and approved for Through Branch Circuit Wiring. I.B.E.W. union made.



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

C-Channel not included.

CATALOG SYSTEM AND OPTIONS

EXAMPLE OF COMPLETE CATALOG NUMBER: OM450PAR20-CS-120/277

OMEGA Apr.	Lamp (by others)	Reflector Finish*	Frame Options**
OM4	50 PAR20	-	-
		CS Clear Specular	FB Flat Bar Hangers
		CSS Clear Semi-Specular	
		HZ Haze	
		GS Champagne Gold Specular	
		WT Wheat	
		PW Pewter	
		FF Finish Flange	
		(As suffix to color)	



FIVE YEAR
Warranty

*Consult factory for other reflector finishes.

OM450PAR20-CS

Photometric Data

Clear Specular Reflector

Report Number: L1816

Lamp: 50W PAR20 NFL

Total Lumens: 560

Fixture Efficiency: = 84.8%

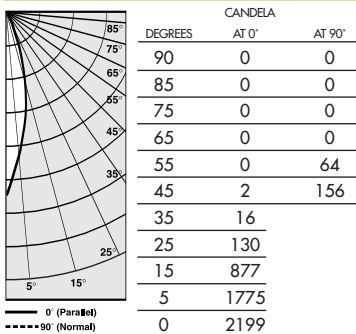
IES File: C0110NFL.IES

S/MH Ratio = 0.4

Beam Angle: 25.33

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	14.5	2-5
10	7.8	3-4
12	4.9	4-3
14	3.3	5-2
16	2.4	6-0

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	104104	102102	97 97
1	99 98	98 96	94 93
2	94 92	93 91	90 88
3	91 88	90 87	88 85
4	87 84	86 83	85 82
5	84 81	83 80	82 79
6	82 78	81 78	80 77
7	79 76	79 76	78 75
8	77 73	76 73	76 73
9	74 71	74 71	73 70
10	72 68	71 68	71 68

OM450PAR20-CS

Photometric Data

Clear Specular Reflector

Report Number: L1817

Lamp: 50W PAR20 NSP

Total Lumens: 560

Fixture Efficiency: = 77.9%

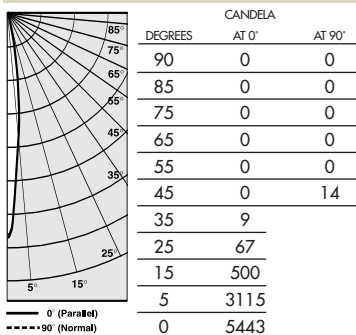
IES File: C0110NSP.IES

S/MH Ratio = 0.2

Beam Angle: 12.28

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	36.0	1-2
10	19.4	1-7
12	12.1	2-0
14	8.2	2-5
16	6.0	2-10

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	101101	98 98	94 94
1	97 96	95 94	92 91
2	93 91	92 90	89 88
3	90 88	89 87	87 85
4	88 85	87 85	85 83
5	86 83	85 82	84 81
6	84 81	83 81	82 80
7	82 80	82 79	81 79
8	81 78	80 78	80 77
9	79 77	79 77	78 76
10	78 75	77 75	77 75

*Readings at working plane, 2'6" above floor. Beam Angle and Diameter Cutoff at 50% of max.
Candlepower Coefficients used at effective reflectances of: 70% Ceiling, 50% Walls, 20% Floor

To convert values for optional reflector colors, multiply by:
Gold .90 Bronze .82 Pewter .87

Additional photometric test files are available @ omegalighting.com

OMEGA
LIGHTING

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