

OM675PAR30

6" PAR Downlights

CAT. NO:

TYPE:

PROJECT:

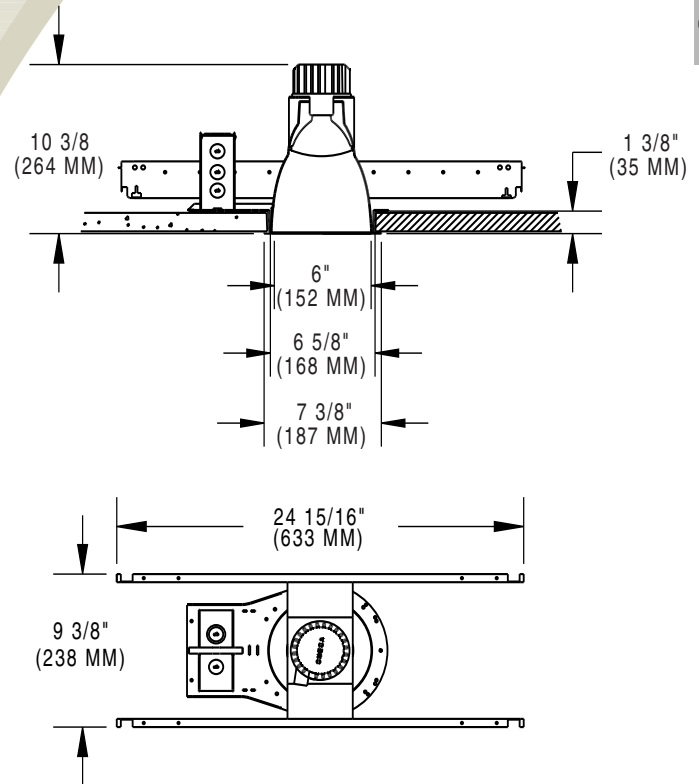
PRODUCT INFORMATION

Applications

A low brightness open reflector downlight for use with PAR 30 incandescent lamps. Provides broad, uniform light distribution with high efficiency for general illumination of areas such as lobbies, reception areas, schools, restaurants, hotels and offices.

Specifications

- Mounting pan** - Precision die-stamped 16 gauge galvanized steel mounting pan and yoke assembly. Accommodates ceiling materials up to 1-3/8" thick.
- Installation** - Mounting pan has pre-installed C-channel with vertical and horizontal adjustments. Yoke adjusts for proper positioning of lamp within reflector. Junction box and mounting brackets are accessible from below ceiling.
- Reflectors** - Precision spun .051 aluminum reflector, self flanged with clear specular Alzak® finish. Reflector is screw mounted for positive attachment to socket assembly. Standard flat flange is painted white. Optional polished flange matching reflector finish available, add FF to catalog number.
- Baffle** - Precision machined .051 aluminum with deep grooves to eliminate aperture glare, anodized matte black or matte white finish. Standard flat flange is painted white. Optional black flange available, add FF to catalog number.
- Socket enclosure** - Die cast aluminum heat sink, medium base 250V porcelain socket with nickel-plated copper screw shell and 200°C wire positions lamp at optical focal plane of reflector for maximum performance.
- Junction box** - Extra large 43.75-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.

CATALOG SYSTEM AND OPTIONS

EXAMPLE OF COMPLETE CATALOG NUMBER: OM675PAR30-CS

OMEGA Apr.	Lamp (by others)	Reflector Option	Reflector Finish*	Frame Options**	Sloped Ceiling Adapter Angle
OM6	75 PAR30 (Short neck)	BB	CS Clear Specular	FB Flat Bar Hangers	5
	75 PAR30L (Long neck)	Black Baffle	CSS Clear Semi-Specular	SA6 Sloped Ceiling Adapter	10
			HZ Haze		15
			GS Champagne Gold Specular		20
			WT Wheat		25
			PW Pewter		30
			FF Finish Flange (As suffix to color)		



FIVE YEAR
Warranty

*Consult factory for other reflector finishes.

OM675PAR30-CS

Photometric Data

Clear Specular Reflector

Report Number: 21659

Lamp: 1)75PAR30S FLOOD

Total Lumens: 914

Fixture Efficiency: = 94.8%

IES File: F21659.IES

S/MH Ratio = 0.7

Beam Angle: 39.23

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	69.3	3 - 11
10	37.2	5 - 4
12	23.2	6 - 9
14	15.8	8 - 2
16	11.5	9 - 7

DISTRIBUTION CURVE



F21659

DEGREES	CANDELA AT 0°	FOOT-LAMBERTS
90	0	0
85	0	0
75	0	0
65	0	0
55	1	1 28
45	72	86 1788
35	64	67
25	388	422
15	1593	1572
5	1955	1996
0	2095	2095

COEFFICIENTS OF UTILIZATION
ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20			
RC	80	70	50
RW	50 30	50 30	50 30
0	112112	112112	110110
1	108106	104102	106104
2	104100	9694	10298
3	10094	9188	9793
4	9591	8582	9490
5	9385	8179	9185
6	8982	7875	8881
7	8579	7370	8478
8	8276	7068	8175
9	8072	6865	7971
10	7869	6663	7769

OM675PAR30BB-CS

Photometric Data

Clear Specular Reflector

Report Number: 21658

Lamp: (1)75PAR30S FLOOD

Total Lumens: 750

Fixture Efficiency: = 77.7%

IES File: F21658.IES

S/MH Ratio = 0.6

Beam Angle: 35.86

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	66.5	3 - 7
10	35.8	4 - 10
12	22.3	6 - 2
14	15.2	7 - 5
16	11.0	8 - 9

DISTRIBUTION CURVE



F21658

DEGREES	CANDELA AT 0°	FOOT-LAMBERTS
90	0	0
85	0	0
75	0	0
65	1	1 38
55	2	2 56
45	34	50 950
35	46	49
25	266	284
15	1363	1360
5	1910	1917
0	2011	2011

COEFFICIENTS OF UTILIZATION
ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20			
RC	80	70	50
RW	50 30	50 30	50 30
0	92 92	92 92	90 90
1	89 86	85 83	86 85
2	85 82	80 78	83 81
3	82 79	76 72	81 78
4	80 75	71 68	78 73
5	77 71	68 66	76 70
6	73 68	65 63	72 68
7	71 66	61 59	70 66
8	68 64	59 57	68 63
9	67 60	57 55	66 60
10	65 58	56 53	64 58

OM675PAR30-CS

Photometric Data

Clear Specular Reflector

Report Number: 21661

Lamp: (1)75PAR30S NARROW FLOOD

Total Lumens: 1007

Fixture Efficiency: = 91.5%

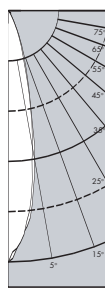
IES File: F21661.IES

S/MH Ratio = 0.4

Beam Angle: 22.51

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	165.3	2 - 2
10	88.9	2 - 12
12	55.4	3 - 9
14	37.8	4 - 7
16	27.4	5 - 4

DISTRIBUTION CURVE



F21661

DEGREES	CANDELA AT 0°	FOOT-LAMBERTS
90	0	0
85	0	0
75	0	0
65	0	0
55	0	0
45	49	29 882
35	44	42
25	344	327
15	1554	1463
5	4307	4204
0	4999	4999

COEFFICIENTS OF UTILIZATION
ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20			
RC	80	70	50
RW	50 30	50 30	50 30
0	109 109	109 109	106 106
1	105 103	102 100	103 101
2	102 97	95 93	100 96
3	98 93	91 88	96 93
4	94 91	86 83	93 90
5	93 86	82 81	91 85
6	90 83	80 78	89 83
7	86 81	78 75	85 81
8	84 79	75 72	83 79
9	82 77	72 69	81 76
10	81 75	70 68	80 73

OM675PAR30BB-CS

Photometric Data

Clear Specular Reflector

Report Number: 21660

Lamp: (1)75PAR30S NARROW FLOOD

Total Lumens: 943

Fixture Efficiency: = 85.8%

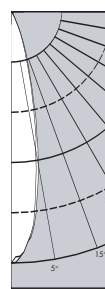
IES File: F21660.IES

S/MH Ratio = 0.4

Beam Angle: 22.99

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	156.2	2 - 3
10	84.0	3 - 1
12	52.4	3 - 10
14	35.7	4 - 8
16	25.9	5 - 6

DISTRIBUTION CURVE



F21660

DEGREES	CANDELA AT 0°	FOOT-LAMBERTS
90	0	0
85	0	0
75	0	0
65	0	0
55	1	0 14
45	32	20 588
35	36	32
25	286	276
15	1514	1419
5	4249	4201
0	4725	4725

COEFFICIENTS OF UTILIZATION
ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20			
RC	80	70	50
RW	50 30	50 30	50 30
0	102 102	102 102	100 100
1	98 96	94 93	96 94
2	95 93	90 88	93 91
3	93 89	85 82	91 88
4	90 84	81 80	89 83
5	86 81	79 76	85 81
6	84 80	76 73	83 79
7	82 77	73 70	81 77
8	80 75	70 68	80 73
9	78 72	68 67	78 71
10	76 70	68 65	76 70

*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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