



Lighting Performance Data

Narrow																				
	42W MR16 VNSP (EZY)			42W MR16 NSP (EYR)			42W MR16 SP (EYS)			50W MR16 NSP (EXT)			75W MR16 NSP (EYF)							
FOOTCANDLES (On Beam Center At 6')	333			197			78			254			319							
BEAM SPREAD (To 50% Max. CP)	7° x 9°			11.5°			20°			11° x 13°			14° x 15°							
MAX. CANDLEPOWER (Candelas)	12,000			7,076			2,800			9,150			11,500							
RATED LIFE (Hours)	3,000			3,000			3,000			3,000			3,500							
COLOR TEMPERATURE	3,000°K			3,000°K			3,000°K			3,025°K			3,025°K							
0° AIMING ANGLE Illumination on Horizontal Plane	D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W				
	8'	188	1.0'	1.3'	7'	144	1.4'	1.4'	4'	175	1.4'	1.4'	7'	187	1.3'	1.6'	8'	180	2.0'	2.1'
	12'	83	1.5'	1.9'	10'	71	2.0'	2.0'	6'	78	2.1'	2.1'	10'	92	1.9'	2.3'	12'	80	2.9'	3.2'
	16'	47	2.0'	2.5'	13'	42	2.6'	2.6'	8'	44	2.8'	2.8'	13'	54	2.5'	3.0'	16'	45	3.9'	4.2'
	20'	30	2.5'	3.1'	16'	38	3.2'	3.2'	10'	28	3.5'	3.5'	16'	35	3.1'	3.6'	20'	25	4.9'	5.3'
30° AIMING ANGLE Illumination on Horizontal Plane	D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W
	7'	159	1.1'	1.3'	6'	128	1.6'	1.4'	3'	202	1.4'	1.2'	6'	165	1.5'	1.6'	7'	152	2.3'	2.1'
	10'	77	1.6'	1.8'	9'	57	2.4'	2.1'	5'	73	2.4'	2.0'	9'	73	2.3'	2.4'	10'	75	3.3'	3.0'
	13'	46	2.1'	2.4'	12'	32	3.2'	2.8'	7'	37	3.3'	2.9'	12'	41	3.1'	3.2'	13'	44	4.3'	4.0'
	16'	30	2.6'	2.9'	15'	20	4.0'	3.5'	9'	22	4.3'	3.7'	15'	26	3.9'	3.9'	16'	29	5.3'	4.9'
30° AIMING ANGLE Illumination on Vertical Plane	D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W
	3'	167	1.5'	0.9'	2'	221	1.7'	0.8'	1'	350	1.6'	0.7'	2'	286	1.6'	0.9'	3'	160	3.1'	1.6'
	4'	94	2.0'	1.3'	3'	98	2.5'	1.2'	2'	88	3.1'	1.4'	3'	127	2.4'	1.4'	4'	90	4.1'	2.0'
	5'	60	2.5'	1.6'	4'	55	3.3'	1.6'	3'	39	4.7'	2.1'	4'	71	3.2'	1.8'	5'	58	5.1'	2.6'
	6'	41	3.0'	1.9'	5'	35	4.2'	2.0'	4'	22	6.2'	2.8'	5'	46	4.0'	2.3'	6'	40	6.2'	3.2'
45° AIMING ANGLE Illumination on Vertical or (Horizontal) Plane	D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W
	5'	170	1.2'	1.1'	4'	156	1.6'	1.1'	3'	110	2.2'	1.5'	4'	202	1.6'	1.3'	5'	163	2.5'	1.9'
	7'	87	1.7'	1.6'	6'	69	2.4'	1.7'	4'	62	2.9'	2.0'	6'	90	3.2'	1.9'	7'	83	3.5'	2.6'
	9'	52	2.2'	2.0'	8'	39	3.3'	2.3'	5'	40	3.6'	2.5'	8'	51	3.1'	2.6'	9'	50	4.5'	3.4'
	11'	35	2.7'	2.4'	10'	25	4.1'	2.8'	6'	27	4.4'	3.0'	10'	32	3.9'	3.2'	11'	34	5.5'	4.1'

Medium					Wide							
	50W MR16 NFL (EXZ)		75W MR16 NFL (EYJ)		42W MR16 FL (EYP)		50W MR16 FL (EXN)		75W MR16 FL (EYC)			
FOOTCANDLES (On Beam Center At 6')	83		128		28		42		56			
BEAM SPREAD (To 50% Max. CP)	22° x 27°		25°		36°		37° x 39°		38° x 40°			
MAX. CANDLEPOWER (Candelas)	3,000		4,600		991		1,500		2,000			
RATED LIFE (Hours)	3,000		3,500		3,000		3,000		3,500			
COLOR TEMPERATURE	3,025°K		3,050°K		3,050°K		3,050°K		3,500°K			
0° AIMING ANGLE Illumination on Horizontal Plane	D	FC	L	W	D	FC	L	W	D	FC	L	W
	6'	83	2.3'	2.9'	6'	128	2.7'	2.7'	3'	110	1.9'	1.9'
	8'	47	3.1'	3.8'	8'	72	3.5'	3.5'	5'	40	3.2'	3.2'
	10'	30	3.9'	4.8'	10'	46	4.4'	4.4'	7'	20	4.5'	4.5'
	12'	21	4.7'	5.8'	12'	32	5.3'	5.3'	9'	12	5.8'	5.8'
30° AIMING ANGLE Illumination on Horizontal Plane	D	FC	L	W	D	FC	L	W	D	FC	L	W
	4'	122	2.1'	2.2'	5'	120	3.0'	2.6'	3'	72	2.7'	2.3'
	6'	54	3.1'	3.3'	7'	61	4.2'	3.6'	5'	26	4.5'	3.8'
	8'	30	4.2'	4.4'	9'	37	5.4'	4.6'	7'	13	6.3'	5.3'
	10'	19	5.2'	5.5'	11'	25	6.6'	5.6'	9'	8	8.1'	6.8'
30° AIMING ANGLE Illumination on Vertical Plane	D	FC	L	W	D	FC	L	W	D	FC	L	W
	2'	94	3.5'	1.9'	2'	144	4.2'	1.8'	1'	124	3.8'	1.3'
	3'	42	5.3'	2.9'	3'	64	6.2'	2.7'	2'	31	7.6'	2.6'
	4'	23	7.0'	3.8'	4'	36	8.3'	3.5'	3'	14	11.4'	3.9'
	5'	15	8.8'	4.8'	5'	23	10.4'	4.4'	4'	8	15.2'	5.2'
45° AIMING ANGLE Illumination on Vertical or (Horizontal) Plane	D	FC	L	W	D	FC	L	W	D	FC	L	W
	3'	118	2.4'	2.0'	3'	181	2.1'	1.9'	2'	88	2.9'	1.8'
	5'	42	4.0'	3.4'	5'	65	4.7'	2.1'	3'	39	4.4'	2.8'
	7'	22	5.7'	4.8'	7'	33	6.5'	4.4'	4'	22	5.8'	3.7'
	9'	13	7.3'	6.1'	9'	20	8.4'	5.6'	5'	14	7.3'	4.6'

Beam Center Location										
Distance D (ft.)	1	2	3	4	5	6	7	8	9	10
Distance C (ft.)	1.7	3.5	5.2	6.9	8.7	10.4	12.1	13.8	15.6	17.3

This chart locates the distance (C) to the center of the light beam for various distances (D) when the lamp is aimed 30° from vertical, the preferred aiming angle for lighting pictures on a wall.

Data are based on bare lamp photometrics. Dashed lines in beam spreads indicate narrow axes of oval shaped beams. FC is initial footcandles at center of beam. L and W are to the point that the candlepower drops 50% of maximum.

Job Information Type:

Lightolier a Genlyte Company www.lightolier.com
 631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
 We reserve the right to change details of design, materials and finish.
 © 2005 Genlyte Group LLC • C1105

LIGHTOLIER®