

# 300 LINE

PERFORMANCE CYLINDERS



GARDCO  
LIGHTING



THE GARDCO CYLINDER.  
PERFORMANCE. PURE AND SIMPLE.





# CONSTRUCTION

This is the Gardco cylinder. In almost every aspect of lighting performance, construction and versatility, it promises to change where and how you apply this classic architectural form. These are luminaires that are at home indoors and out. Conventional symmetric optics offer high-performance illumination for uplight and downlight applications. And now, a revolutionary new forward throw optical system offers a uniform distribution for illumination out and away from the luminaire – ideal for entry- and building-mounted luminaires.

The luminaire housing and the seamlessly integrated mounting arm are die cast aluminum. Matching brackets and the one-piece luminaire simplify and promote perfectly aligned mounting.



The 301 utilizes a single lamp and ballast to achieve downlighting and uplighting.



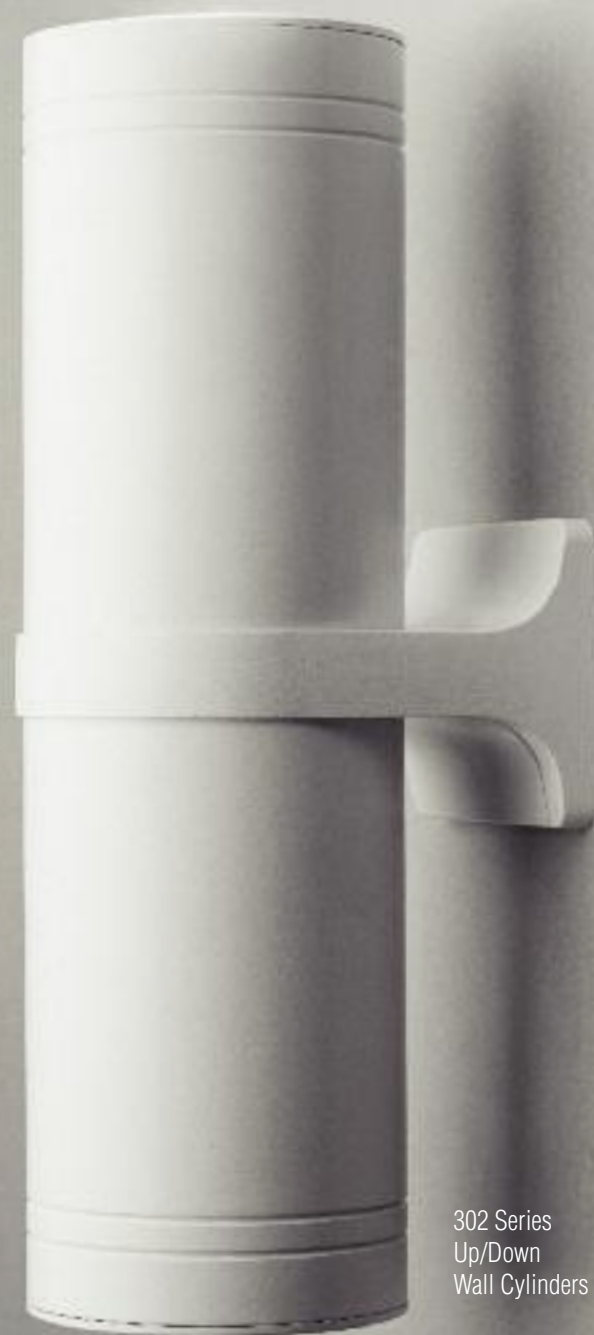


The finish is a fade- and abrasion-resistant, electrostatically applied, thermally cured polyester, textured powder coat. This extremely durable paint and the die cast aluminum housing will be a permanent enhancement wherever they are specified.

The optical systems can be specified as a flood or spike distribution for the uplight or downlight, as well as a forward throw downlight.

Gardco cylinders are among the most efficient on the market. Each of the specular Alzak® reflectors is actually a cascading pair, and the entire optical system is recessed into the housing to minimize glare.

A wide choice of baffles and trims, along with the option to enclose the luminaire makes the series a versatile choice for a wide range of architectural settings and operating environments.



302 Series  
Up/Down  
Wall Cylinders

The 302 provides designers with a tall and slender architectural form – a look suitable for larger entries and where a larger-scale luminaire is appropriate. The 301, pictured on page 6, provides up/down lighting from a sleek yet exceptionally compact housing style. A wide choice of optics and trims makes the entire series uncommonly flexible.

Traditional up/down wall cylinders have required two lamps and ballasts. This has necessitated oversized luminaires often out of scale for many mounting heights. The resulting form is a remarkably compact cylinder featuring trademark Gardco twin reveal and design sensitivity.



301 Series  
Up/Down Wall Cylinders

## TRIMS

Practical and durable options for the most demanding commercial applications.



The sealed lens option is suitable for wet locations in either downlight or uplight mounting orientations.



Enclosed downlight luminaire with flat clear glass for forward throw optics.



Enclosed downlight luminaire with regressed trim and flat Solite® glass.



Enclosed downlight with eggcrate louver and Solite® lens.



The unique "Spike" (301 only) downlight and/or uplight distribution provides a narrow stripe of illumination on the wall or column. Specifying blue or green colored lamps (see accessories in ordering information) can further enhance the dramatic effect.



Open downlight may be specified with polished reflectors or black baffle.

# OPTICS



Exceptionally low brightness open downlight with architectural black baffle for PAR38 or R40 lamps.



Open baffled E-17 downlight with faceted high-performance reflector.



Open downlight with twin highly specular reflectors for fluorescent lamps.



Open downlight with faceted high-performance reflector for E-17 HID lamps. Sharp cut-off of the lamp arc tube and arc tube images.



Enclosed uplight or downlight with high-performance forward throw optics – a unique asymmetric distribution available in a cylinder. Supplied with T70MH lamp.

# MOUNTINGS

Carefully detailed hardware complements each of the six luminaire forms. Luminaire style and mounting options.



One of three wall mounting options; this for either uplighting or downlighting. (300)



Universal knuckle for wall, ground or ceiling mount. Permits 358° rotation and 90° tilt. A cast junction box is available for pre-shipment and can be used in poured concrete or for surface mounting.



Standard 300 Line pendant length is a net 18" from the ceiling. Internal swivel accommodates up to 35° slope.



302 wall bracket for simultaneous bi-directional up/downlighting.



Ceiling mount with offset, low-profile canopy.



# FORWARD THROW PHOTOMETRICS

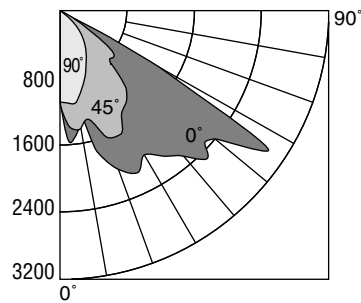


The 300 Line features a unique forward throw optical system, the first of its kind, designed to provide unprecedented forward projection from a cylinder.

## CANDELA TABULATION

	0	45	90
0.0	1050	1050	1050
5.0	1461	1384	1114
10.0	1280	1440	1148
15.0	1740	1336	981
20.0	2060	1608	877
25.0	2171	1670	773
30.0	2032	1496	682
35.0	2171	1392	591
40.0	2296	1246	494
42.5	2407	1037	438
45.0	2519	877	306
47.5	2394	849	153
50.0	2422	856	63
52.5	2755	773	49
55.0	3132	529	35
57.5	2463	327	28
60.0	1475	181	21
62.5	738	112	14
65.0	320	69	14
67.5	139	49	14
70.0	84	28	14
72.5	42	14	14
75.0	28	14	14
77.5	14	7	7
80.0	14	7	7
82.5	0	0	0
85.0	0	0	0
87.5	0	0	0
90.0	0	0	0

## POLAR GRAPH

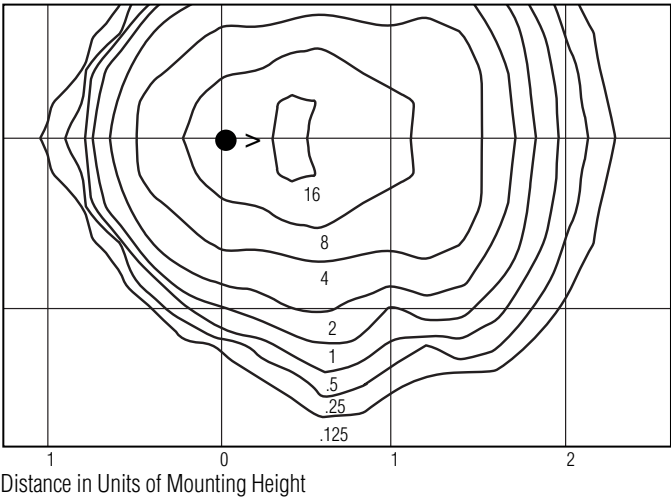


## DESCRIPTION

70w T6 G12 Metal Halide 6200 LUMENS  
Flat Lens Trim  
Cat. No. 300-D-X-FT/D-T70MH  
[Test No. 3LF70MT (6362)]

Total Luminaire Efficiency 42.9%  
Spacing Criterion (90°-270° Lateral) 1.0

## ISOFOOTCANDLE DIAGRAM

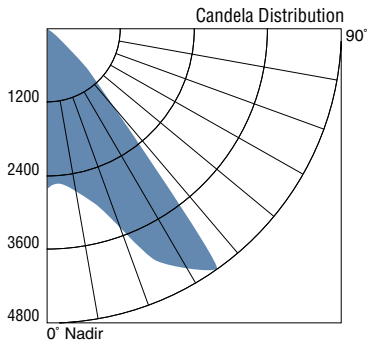




# OPEN TRIMS – E-17 HID LAMPS

## REFLECTOR TRIM

## CLEAR LAMPS



Spacing Criterion 1.7  
Total Luminaire Efficiency 79.7%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC	80%				50%				30%				0%			
		70%	50%	30%	10%	50%	30%	10%	0%	50%	30%	10%	0%	50%	30%	10%	0%
0	0	.95	.95	.95	.95	.89	.89	.89	.85	.85	.85	.80	.80	.80	.80	.80	.80
1	1	.90	.87	.85	.83	.82	.80	.79	.79	.78	.77	.73	.73	.73	.73	.73	.73
2	2	.84	.80	.76	.73	.76	.73	.70	.73	.71	.69	.66	.66	.66	.66	.66	.66
3	3	.79	.73	.68	.64	.70	.66	.63	.68	.64	.62	.59	.59	.59	.59	.59	.59
4	4	.74	.67	.61	.57	.64	.60	.56	.62	.59	.56	.54	.54	.54	.54	.54	.54
5	5	.69	.61	.56	.51	.59	.54	.51	.57	.53	.50	.48	.48	.48	.48	.48	.48
6	6	.64	.56	.50	.46	.54	.49	.46	.53	.49	.45	.44	.44	.44	.44	.44	.44
7	7	.60	.51	.46	.42	.50	.45	.41	.49	.44	.41	.40	.40	.40	.40	.40	.40
8	8	.56	.47	.42	.38	.46	.41	.38	.45	.41	.37	.36	.36	.36	.36	.36	.36
9	9	.53	.44	.38	.34	.43	.38	.34	.42	.37	.34	.33	.33	.33	.33	.33	.33
10	10	.50	.41	.35	.31	.39	.35	.31	.39	.34	.31	.30	.30	.30	.30	.30	.30

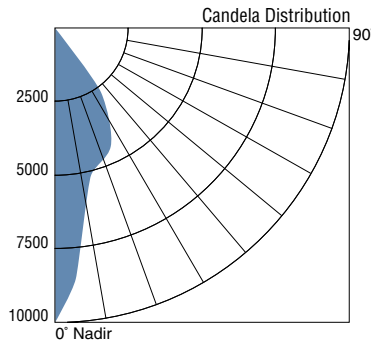
RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

100w E-17 CLEAR METAL HALIDE – 8500 LUMENS  
REFLECTOR TRIM  
CAT. NO. 300-O-X-R-100MH  
TEST NO. 3R1M (6413)

## BAFFLE TRIM

## CLEAR LAMPS



Spacing Criterion .5  
Total Luminaire Efficiency 75.6%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC	80%				50%				30%				0%			
		70%	50%	30%	10%	50%	30%	10%	0%	50%	30%	10%	0%	50%	30%	10%	0%
0	0	.90	.90	.90	.90	.84	.84	.84	.80	.80	.80	.76	.76	.76	.76	.76	.76
1	1	.86	.84	.82	.80	.79	.78	.76	.76	.75	.74	.71	.71	.71	.71	.71	.71
2	2	.81	.78	.75	.72	.74	.72	.70	.72	.70	.68	.66	.66	.66	.66	.66	.66
3	3	.77	.72	.69	.66	.69	.66	.64	.67	.65	.63	.61	.61	.61	.61	.61	.61
4	4	.73	.67	.63	.60	.65	.62	.59	.63	.61	.58	.56	.56	.56	.56	.56	.56
5	5	.69	.63	.59	.55	.61	.57	.55	.60	.57	.54	.52	.52	.52	.52	.52	.52
6	6	.66	.59	.55	.51	.57	.53	.51	.56	.53	.50	.49	.49	.49	.49	.49	.49
7	7	.63	.55	.51	.48	.54	.50	.47	.53	.50	.47	.46	.46	.46	.46	.46	.46
8	8	.59	.52	.48	.44	.51	.47	.44	.50	.47	.44	.43	.43	.43	.43	.43	.43
9	9	.57	.49	.45	.42	.48	.44	.41	.47	.44	.41	.40	.40	.40	.40	.40	.40
10	10	.54	.46	.42	.39	.45	.42	.39	.45	.41	.39	.38	.38	.38	.38	.38	.38

RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

100w E-17 CLEAR METAL HALIDE – 8500 LUMENS  
REFLECTOR W/BLACK BAFFLE TRIM  
CAT. NO. 300-O-X-R/B-100MH  
TEST NO. 3RB1M (6409)

## LUMEN FACTOR CHART – CLEAR LAMPS

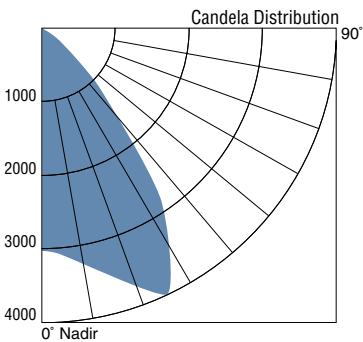
For approximate candela values, the following multipliers may be used for clear lamps:

50MH – .41	50HPS – .47
70MH – .61	70HPS – .74
100MH – 1.00	100HPS – 1.12

For more precise high-pressure sodium values, contact your Gardco Lighting Representative and request the actual HPS tests.

## REFLECTOR TRIM

## COATED LAMPS



Spacing Criterion 1.4  
Total Luminaire Efficiency 76.9%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC	80%				50%				30%				0%			
		70%	50%	30%	10%	50%	30%	10%	0%	50%	30%	10%	0%	50%	30%	10%	0%
0	0	.92	.92	.92	.92	.85	.85	.85	.82	.82	.82	.77	.77	.77	.77	.77	.77
1	1	.86	.84	.82	.80	.79	.78	.76	.76	.75	.74	.70	.70	.70	.70	.70	.70
2	2	.81	.77	.73	.70	.73	.70	.68	.70	.68	.66	.63	.63	.63	.63	.63	.63
3	3	.76	.70	.66	.62	.67	.63	.60	.65	.62	.59	.57	.57	.57	.57	.57	.57
4	4	.71	.64	.59	.55	.61	.57	.54	.60	.56	.53	.51	.51	.51	.51	.51	.51
5	5	.66	.59	.53	.50	.57	.52	.49	.55	.51	.48	.47	.47	.47	.47	.47	.47
6	6	.62	.54	.49	.45	.52	.48	.44	.51	.47	.44	.42	.42	.42	.42	.42	.42
7	7	.58	.50	.44	.41	.48	.44	.40	.47	.43	.40	.38	.38	.38	.38	.38	.38
8	8	.55	.46	.41	.37	.45	.40	.37	.44	.40	.37	.35	.35	.35	.35	.35	.35
9	9	.52	.43	.37	.34	.42	.37	.34	.41	.37	.34	.32	.32	.32	.32	.32	.32
10	10	.49	.40	.35	.31	.39	.34	.31	.38	.34	.31	.30	.30	.30	.30	.30	.30

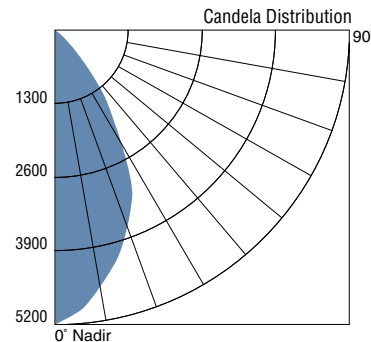
RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

100w E-17 COATED METAL HALIDE – 7900 LUMENS  
REFLECTOR TRIM  
CAT. NO. 300-O-X-R-100MH/C  
TEST NO. 3R1X (6414)

## BAFFLE TRIM

## COATED LAMPS



Spacing Criterion .9  
Total Luminaire Efficiency 61.4%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC	80%				50%				30%				0%			
		70%	50%	30%	10%	50%	30%	10%	0%	50%	30%	10%	0%	50%	30%	10%	0%
0	0	.73	.73	.73	.73	.68	.68	.68	.65	.65	.65	.61	.61	.61	.61	.61	.61
1	1	.70	.68	.66	.65	.64	.63	.62	.62	.61	.60	.57	.57	.57	.57	.57	.57
2	2	.66	.63	.60	.58	.60	.58	.56	.58	.56	.55	.53	.53	.53	.53	.53	.53
3	3	.62	.58	.55	.52	.56	.53	.51	.54	.52	.50	.48	.48	.48	.48	.48	.48
4	4	.59	.54	.50	.47	.52	.49	.47	.51	.48	.46	.45	.45	.45	.45	.45	.45
5	5	.56	.50	.46	.43	.48	.45	.43	.47	.45	.42	.41	.41	.41	.41	.41	.41
6	6	.53	.47	.43	.40	.45	.42	.40	.44	.41	.39	.38	.38	.38	.38	.38	.38
7	7	.50	.44	.40	.37	.42	.39	.37	.42	.39	.36	.35	.35	.35	.35	.35	.35
8	8	.47	.41	.37	.34	.40	.37	.34	.39	.36	.34	.33	.33	.33	.33	.33	.33
9	9	.45	.38	.35	.32	.38	.34	.32	.37	.34	.32	.31	.31	.31	.31	.31	.31
10	10	.43	.36	.32	.30	.35	.32	.30	.35	.32	.30	.29	.29	.29	.29	.29	.29

RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

100w E-17 COATED METAL HALIDE – 7900 LUMENS  
REFLECTOR W/BLACK BAFFLE TRIM  
CAT. NO. 300-O-X-R/B-100MH/C  
TEST NO. 3RB1X (6410)

## LUMEN FACTOR CHART – COATED LAMPS

For approximate candela values, the following multipliers may be used for clear lamps:

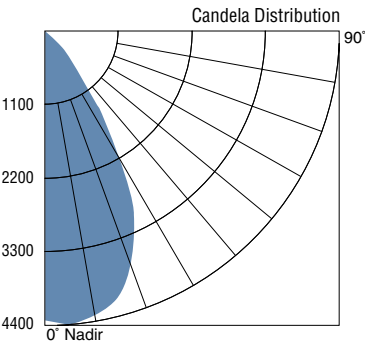
50MH – .38	50HPS – .47
70MH – .60	70HPS – .73
100MH – 1.00	100HPS – 1.11

For more precise high-pressure sodium values, contact your Gardco Lighting Representative and request the actual HPS tests.

# OPEN TRIMS – PAR HID LAMPS

## BAFFLE TRIM

FLOOD DISTRIBUTION LAMPS



Spacing Criterion 1  
Total Luminaire Efficiency 75.7%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC	80%					50%			30%			0%
	RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
	0	.90	.90	.90	.90	.84	.84	.84	.81	.81	.81	.76	
	1	.86	.84	.82	.80	.79	.78	.77	.76	.75	.74	.71	
	2	.82	.78	.75	.72	.74	.72	.70	.72	.70	.68	.66	
	3	.77	.73	.69	.66	.70	.67	.64	.68	.65	.63	.61	
	4	.73	.68	.63	.60	.65	.62	.59	.64	.61	.58	.57	
	5	.70	.63	.59	.55	.61	.58	.55	.60	.57	.54	.53	
	6	.66	.59	.55	.51	.57	.54	.51	.56	.53	.50	.49	
	7	.63	.56	.51	.48	.54	.50	.47	.53	.50	.47	.46	
8	.60	.52	.48	.44	.51	.47	.44	.50	.47	.44	.43		
9	.57	.49	.45	.42	.48	.44	.41	.47	.44	.41	.40		
10	.54	.46	.42	.39	.45	.42	.39	.45	.41	.39	.38		

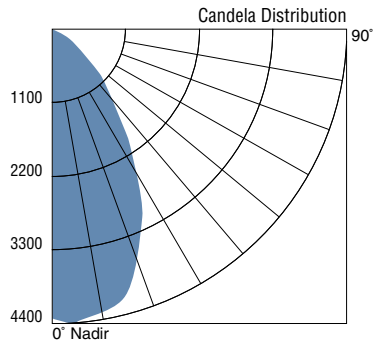
RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

100w PAR-38 FLOOD METAL HALIDE – 5600 LUMENS  
BLACK BAFFLE TRIM  
CAT. NO. 300-O-X-B-100MH/PAR38/WFL  
TEST NO. 3B1MP3F (6407)

## REFLECTOR TRIM

FLOOD DISTRIBUTION LAMPS



Spacing Criterion 1  
Total Luminaire Efficiency 90.3%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC	80%				50%				30%				0%	
	RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	.96	.96	.96	.90			
	1	1.00	.99	.97	.95	.94	.92	.90	.90	.89	.88	.83			
	2	.96	.91	.87	.84	.87	.84	.81	.84	.82	.79	.76			
	3	.91	.84	.79	.75	.80	.77	.73	.78	.75	.72	.70			
	4	.85	.78	.72	.68	.75	.70	.67	.73	.69	.66	.64			
	5	.80	.72	.66	.62	.69	.65	.61	.68	.64	.60	.58			
	6	.76	.67	.61	.56	.65	.60	.56	.63	.59	.55	.54			
	7	.71	.62	.56	.52	.60	.55	.51	.59	.54	.51	.49			
8	.67	.58	.52	.48	.56	.51	.47	.55	.51	.47	.46				
9	.64	.54	.48	.44	.53	.48	.44	.52	.47	.44	.42				
10	.60	.51	.45	.41	.50	.45	.41	.49	.44	.41	.39				

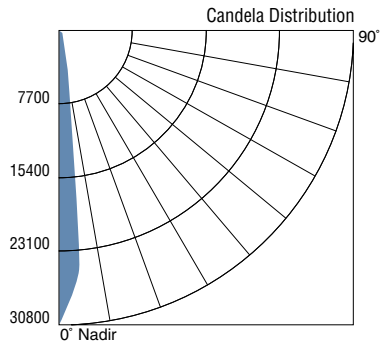
RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

100w PAR-38 FLOOD METAL HALIDE – 5600 LUMENS  
REFLECTOR TRIM  
CAT. NO. 300-O-X-R-100MH/PAR38/WFL  
TEST NO. 3R1MP3F (6465)

## BAFFLE TRIM

SPOT DISTRIBUTION LAMPS



Spacing Criterion 0.3  
Total Luminaire Efficiency 87.8%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC	80%				50%				30%				0%
	RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%		
	0	1.00	1.00	1.00	1.00	.98	.98	.98	.93	.93	.93	.88		
	1	1.00	.99	.98	.96	.94	.93	.92	.91	.90	.89	.85		
	2	.98	.95	.93	.91	.91	.89	.88	.89	.87	.86	.83		
	3	.95	.91	.88	.86	.88	.86	.84	.86	.84	.83	.81		
	4	.93	.88	.85	.82	.86	.83	.81	.84	.82	.80	.78		
	5	.90	.85	.82	.79	.83	.81	.78	.82	.80	.78	.76		
	6	.88	.83	.79	.77	.81	.78	.76	.80	.78	.76	.74		
	7	.86	.80	.77	.75	.79	.76	.74	.78	.76	.74	.73		
8	.84	.78	.75	.73	.77	.74	.72	.76	.74	.72	.71			
9	.82	.76	.73	.71	.75	.72	.71	.75	.72	.70	.69			
10	.80	.75	.71	.69	.74	.71	.69	.73	.71	.69	.68			

RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

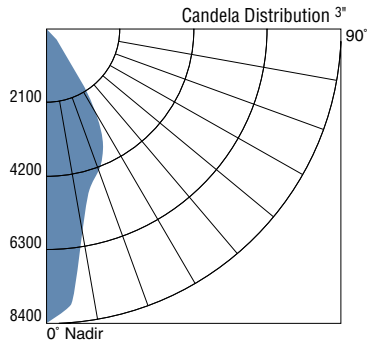
### DESCRIPTION

100w PAR-38 SPOT METAL HALIDE – 5200 LUMENS  
BLACK BAFFLE TRIM  
CAT. NO. 300-O-X-B-100MH/PAR38/SP  
TEST NO. 3B1MP3S (6408)

# ENCLOSED TRIMS – E-17 HID LAMPS

## FLAT LENS

## CLEAR LAMPS



Spacing Criterion 0.6  
Total Luminaire Efficiency 68.3%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC	80%				50%				30%				0%			
		RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	50%	30%	10%	0%
0	81	81	81	81	81	76	76	76	76	73	73	73	68	68	68	68	68
1	77	77	77	77	77	71	71	71	71	69	69	69	67	67	67	67	67
2	74	74	74	74	74	67	67	67	67	65	65	65	63	63	63	63	63
3	70	70	70	70	70	63	63	63	63	61	61	61	59	59	59	59	59
4	66	66	66	66	66	59	59	59	59	57	57	57	55	55	55	55	55
5	63	63	63	63	63	55	55	55	55	53	53	53	51	51	51	51	51
6	59	59	59	59	59	52	52	52	52	49	49	49	47	47	47	47	47
7	56	56	56	56	56	49	49	49	49	46	46	46	44	44	44	44	44
8	54	54	54	54	54	46	46	46	46	43	43	43	41	41	41	41	41
9	51	51	51	51	51	44	44	44	44	40	40	40	37	37	37	37	37
10	49	49	49	49	49	42	42	42	42	38	38	38	35	35	35	35	35

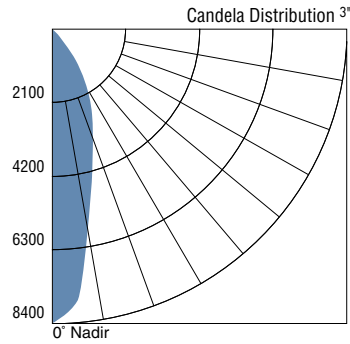
RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

100w E-17 CLEAR METAL HALIDE – 8500 LUMENS  
FLAT LENS TRIM  
CAT. NO. 300-D-X-L-100MH  
TEST NO. 3L1M (6439)

## LENS WITH LOUVERS

## CLEAR LAMPS



Spacing Criterion 0.5  
Total Luminaire Efficiency 43.8%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC	80%				50%				30%				0%			
		RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	50%	30%	10%	0%
0	52	52	52	52	52	49	49	49	49	47	47	47	44	44	44	44	44
1	50	50	50	50	50	46	46	46	46	44	44	44	41	41	41	41	41
2	48	48	48	48	48	42	42	42	42	41	41	41	39	39	39	39	39
3	45	45	45	45	45	39	39	39	39	38	38	38	36	36	36	36	36
4	43	43	43	43	43	36	36	36	36	35	35	35	33	33	33	33	33
5	41	41	41	41	41	35	35	35	35	33	33	33	31	31	31	31	31
6	39	39	39	39	39	33	33	33	33	31	31	31	29	29	29	29	29
7	38	38	38	38	38	31	31	31	31	29	29	29	27	27	27	27	27
8	36	36	36	36	36	29	29	29	29	27	27	27	25	25	25	25	25
9	34	34	34	34	34	28	28	28	28	26	26	26	24	24	24	24	24
10	33	33	33	33	33	27	27	27	27	25	25	25	23	23	23	23	23

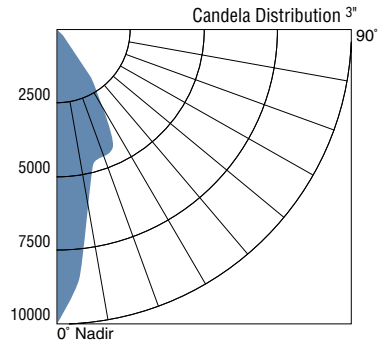
RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

100w E-17 CLEAR METAL HALIDE – 8500 LUMENS  
LOUVERED LENS TRIM  
CAT. NO. 300-D-X-L-100MH  
TEST NO. 3LV1M (6436)

## ENGCT LENS

## CLEAR LAMPS



Spacing Criterion 0.5  
Total Luminaire Efficiency 67.7%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC	80%				50%				30%				0%			
		RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	50%	30%	10%	0%
0	81	81	81	81	81	75	75	75	75	72	72	72	68	68	68	68	68
1	77	77	77	77	77	71	71	71	71	69	69	69	67	67	67	67	67
2	73	73	73	73	73	67	67	67	67	65	65	65	63	63	63	63	63
3	69	69	69	69	69	63	63	63	63	61	61	61	59	59	59	59	59
4	66	66	66	66	66	59	59	59	59	57	57	57	55	55	55	55	55
5	63	63	63	63	63	55	55	55	55	53	53	53	51	51	51	51	51
6	60	60	60	60	60	52	52	52	52	49	49	49	47	47	47	47	47
7	57	57	57	57	57	49	49	49	49	46	46	46	44	44	44	44	44
8	54	54	54	54	54	46	46	46	46	43	43	43	41	41	41	41	41
9	51	51	51	51	51	44	44	44	44	41	41	41	39	39	39	39	39
10	49	49	49	49	49	42	42	42	42	38	38	38	36	36	36	36	36

RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

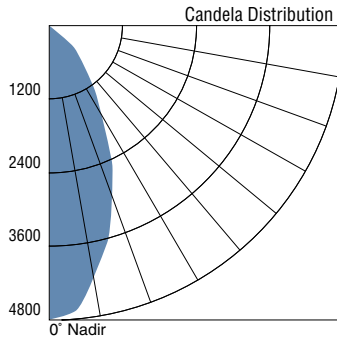
### DESCRIPTION

100w E-17 CLEAR METAL HALIDE – 8500 LUMENS  
CLEAR LENS TRIM  
CAT. NO. 300-D/U/E-X-C-100MH  
TEST NO. 3CL1M (6445)

<sup>3</sup>For approximate candela values, the following multipliers may be used: 50MH - .41, 70MH - .61, 100MH - 1.00, 50HPS - .47, 70HPS - .74, 100HPS - 1.12.  
For more precise high-pressure sodium values, contact your Gardco Lighting Representative and request the actual HPS tests.

## FLAT LENS

## COATED LAMPS



Spacing Criterion 0.8  
Total Luminaire Efficiency 52.2%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC	80%				50%				30%				0%			
		RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	50%	30%	10%	0%
0	62	62	62	62	62	58	58	58	58	56	56	56	52	52	52	52	52
1	59	59	59	59	59	54	54	54	54	52	52	52	48	48	48	48	48
2	56	56	56	56	56	49	49	49	49	47	47	47	44	44	44	44	44
3	53	53	53	53	53	46	46	46	46	44	44	44	42	42	42	42	42
4	50	50	50	50	50	44	44	44	44	41	41	41	39	39	39	39	39
5	47	47	47	47	47	41	41	41	41	38	38	38	36	36	36	36	36
6	45	45	45	45	45	40	40	40	40	37	37	37	35	35	35	35	35
7	42	42	42	42	42	38	38	38	38	35	35	35	33	33	33	33	33
8	40	40	40	40	40	36	36	36	36	33	33	33	31	31	31	31	31
9	38	38	38	38	38	34	34	34	34	31	31	31	29	29	29	29	29
10	36	36	36	36	36	32	32	32	32	29	29	29	27	27	27	27	27

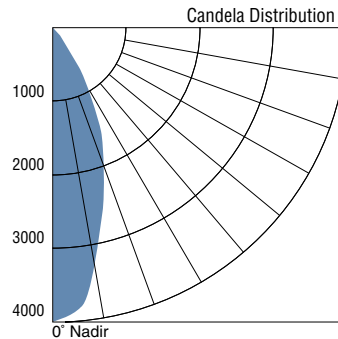
RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

100w E-17 COATED METAL HALIDE – 7900 LUMENS  
FLAT LENS TRIM  
CAT. NO. 300-D-X-L-100MH/C  
TEST NO. 3L1X (6440)

## LENS WITH LOUVERS

## COATED LAMPS



Spacing Criterion 0.7  
Total Luminaire Efficiency 32.7%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC	80%				50%				30%				0%			
		RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	50%	30%	10%	0%
0	39	39	39	39	39	36	36	36	36	35	35	35	33	33	33	33	33
1	37	37	37	37	37	34	34	34	34	33	33	33	31	31	31	31	31
2	35	35	35	35	35	32	32	32	32	31	31	31	29	29	29	29	29
3	34	34	34	34	34	30	30	30	30	29	29	29	27	27	27	27	27
4	32	32	32	32	32	28	28	28	28	27	27	27	25	25	25	25	25
5	30	30	30	30	30	26	26	26	26	25	25	25	23	23	23	23	23
6	29	29	29	29	29	25	25	25	25	24	24	24	22	22	22	22	22
7	28	28	28	28	28	24	24	24	24	23	23	23	21	21	21	21	21
8	26	26	26	26	26	23	23	23	23	22	22	22	20	20	20	20	20
9	25	25	25	25	25	22	22	22	22	21	21	21	19	19	19	19	19
10	24	24	24	24	24	21	21	21	21	20	20	20	18	18	18	18	18

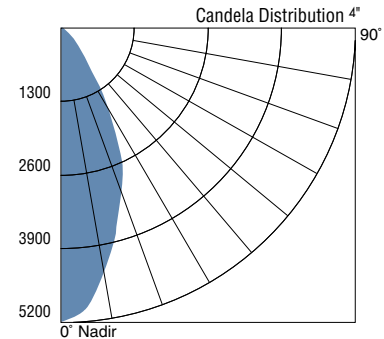
RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

100w E-17 COATED METAL HALIDE – 7900 LUMENS  
LOUVERED LENS TRIM  
CAT. NO. 300-D-X-L-100MH/C  
TEST NO. 3LV1X (6443)

## ENGCT LENS

## COATED LAMPS



Spacing Criterion 0.7  
Total Luminaire Efficiency 50.9%

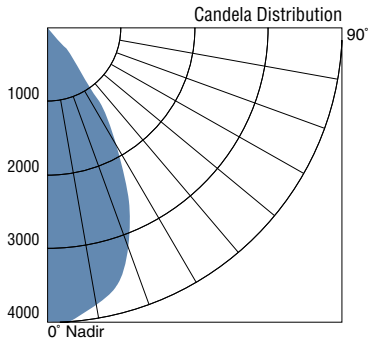
### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC	80%				50%				30%				0%
	RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%		
	0	.61	.61	.61	.61	.57	.57	.57	.54	.54	.54	.51		
	1	.58	.56	.55	.54	.53	.52	.51	.51	.51	.50	.48		
	2	.55	.52	.50	.48	.50	.48	.47	.48	.47	.46	.44		
	3	.52	.49	.46	.44	.47	.45	.43	.45	.44	.42	.41		
	4	.49	.45	.43	.40	.44	.41	.40	.43	.41	.39	.38		
	5	.47	.42	.39	.37	.41	.39	.37	.40	.38	.36	.35		
	6	.44	.40	.37	.34	.39	.36	.34	.38	.36	.34	.33		
	7	.42	.37	.34	.32	.36	.34	.32	.36	.33	.32	.31		
8	.40	.35	.32	.30	.34	.32	.30	.34	.31	.30	.29			
9	.38	.33	.30	.28	.32	.30	.28	.32	.30	.28	.27			
10	.36	.31	.28	.26	.31	.28	.26	.30	.28	.26	.25			

# ENCLOSED TRIMS – PAR HID LAMPS

## FLAT LENS FLOOD DISTRIBUTION LAMPS



Spacing Criterion 0.9  
Total Luminaire Efficiency 67.2%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

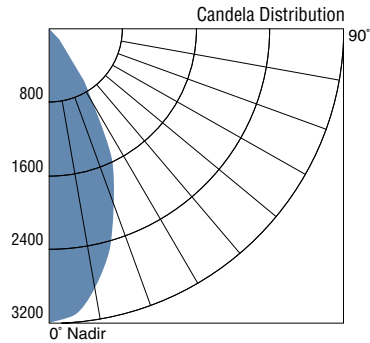
Room Cavity Ratio	RC	80%				50%				30%				0%
	RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%		
0	0	.80	.80	.80	.80	.75	.75	.75	.71	.71	.71	.67		
1	1	.76	.74	.73	.71	.70	.69	.68	.67	.67	.66	.63		
2	2	.72	.69	.66	.64	.66	.63	.62	.63	.62	.60	.58		
3	3	.68	.64	.60	.58	.61	.59	.56	.60	.57	.55	.54		
4	4	.65	.60	.56	.53	.57	.54	.52	.56	.53	.51	.50		
5	5	.61	.56	.51	.48	.54	.50	.48	.53	.50	.47	.46		
6	6	.58	.52	.48	.45	.50	.47	.44	.49	.46	.44	.43		
7	7	.55	.49	.44	.42	.47	.44	.41	.46	.43	.41	.40		
8	8	.52	.46	.42	.39	.45	.41	.38	.44	.41	.38	.37		
9	9	.50	.43	.39	.36	.42	.38	.36	.41	.38	.36	.35		
10	10	.47	.41	.37	.34	.40	.36	.34	.39	.36	.34	.33		

RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

100w PAR-38 FLOOD METAL HALIDE – 5600 LUMENS  
FLAT LENS TRIM  
CAT. NO. 300-D-X-L-100MH/PAR38/WFL  
TEST NO. 3L1MP3F (6427)

## LENS WITH LOUVERS FLOOD DISTRIBUTION LAMPS



Spacing Criterion 0.8  
Total Luminaire Efficiency 43.1%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

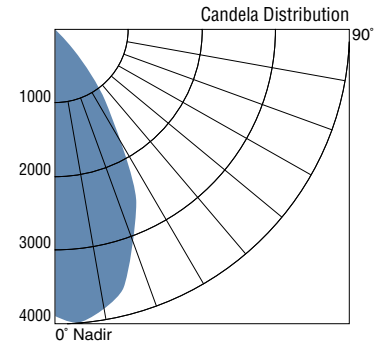
Room Cavity Ratio	RC	80%				50%				30%				0%
	RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%		
	0	.51	.51	.51	.51	.48	.48	.48	.46	.46	.46	.43		
	1	.49	.48	.47	.46	.45	.44	.44	.44	.43	.42	.40		
	2	.47	.45	.43	.42	.42	.41	.40	.41	.40	.39	.38		
	3	.44	.42	.40	.38	.40	.38	.37	.39	.38	.36	.35		
	4	.42	.39	.37	.35	.38	.36	.34	.37	.35	.34	.33		
	5	.40	.37	.34	.32	.36	.34	.32	.35	.33	.32	.31		
	6	.38	.35	.32	.30	.34	.31	.30	.33	.31	.30	.29		
	7	.36	.33	.30	.28	.32	.30	.28	.31	.29	.28	.27		
8	.35	.31	.28	.27	.30	.28	.26	.30	.28	.26	.26			
9	.33	.29	.27	.25	.29	.26	.25	.28	.26	.25	.24			
10	.32	.28	.25	.24	.27	.25	.23	.27	.25	.23	.23			

RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

100w PAR-38 FLOOD METAL HALIDE – 5600 LUMENS  
LOUVERED LENS TRIM  
CAT. NO. 300-D-X-L-100MH/PAR38/WFL  
TEST NO. 3L1MP3F (6431)

## ENGCT LENS FLOOD DISTRIBUTION LAMPS



Spacing Criterion 0.9  
Total Luminaire Efficiency 65.7%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

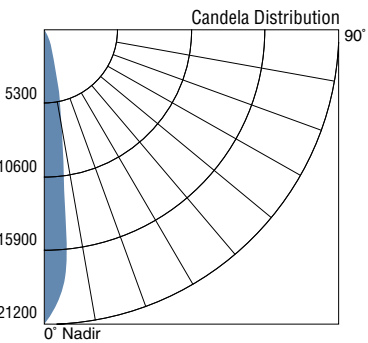
Room Cavity Ratio	RC	80%				50%				30%				0%	
	RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
	0	.78	.78	.78	.78	.73	.73	.73	.70	.70	.70	.66			
	1	.75	.73	.71	.70	.69	.67	.66	.66	.65	.64	.61			
	2	.71	.68	.65	.63	.64	.62	.61	.62	.61	.59	.57			
	3	.67	.63	.60	.57	.60	.58	.56	.59	.57	.55	.53			
	4	.64	.59	.55	.53	.57	.54	.52	.55	.53	.51	.49			
	5	.61	.55	.51	.49	.53	.50	.48	.52	.50	.47	.46			
	6	.58	.52	.48	.45	.50	.47	.45	.49	.46	.44	.43			
	7	.55	.49	.45	.42	.47	.44	.42	.47	.44	.41	.40			
8	.52	.46	.42	.39	.45	.41	.39	.44	.41	.39	.38				
9	.50	.43	.39	.37	.42	.39	.37	.42	.39	.36	.35				
10	.47	.41	.37	.35	.40	.37	.34	.40	.37	.34	.33				

RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

100w PAR-38 FLOOD METAL HALIDE – 5600 LUMENS  
CLEAR LENS TRIM  
CAT. NO. 300-D/U/E-X-C-100MH/PAR38/WFL  
TEST NO. 3CL1MP3F (6429)

## FLAT LENS SPOT DISTRIBUTION LAMPS



Spacing Criterion 0.4  
Total Luminaire Efficiency 72.5%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

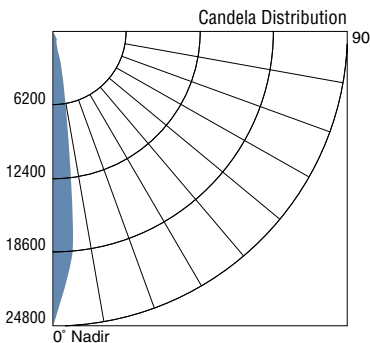
Room Cavity Ratio	RC	80%				50%				30%				0%
	RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%		
0		.86	.86	.86	.86	.81	.81	.81	.77	.77	.77	.72		
1		.83	.82	.81	.79	.78	.77	.76	.75	.74	.74	.70		
2		.81	.78	.76	.74	.75	.73	.72	.73	.72	.70	.68		
3		.78	.75	.72	.70	.72	.70	.69	.71	.69	.68	.66		
4		.76	.72	.69	.67	.70	.68	.66	.69	.67	.65	.64		
5		.74	.70	.67	.65	.68	.66	.64	.67	.65	.63	.62		
6		.72	.67	.64	.62	.66	.64	.62	.65	.63	.61	.60		
7		.70	.65	.62	.60	.64	.62	.60	.63	.61	.60	.59		
8		.68	.63	.61	.59	.62	.60	.58	.62	.60	.58	.57		
9		.66	.62	.59	.57	.61	.58	.57	.60	.58	.56	.56		
10		.65	.60	.57	.55	.59	.57	.55	.59	.57	.55	.54		

RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

100w PAR-38 SPOT METAL HALIDE – 5200 LUMENS  
FLAT LENS TRIM  
CAT. NO. 300-D-X-L-100MH/PAR38/SP  
TEST NO. 3L1MP3S (6432)

## LENS WITH LOUVERS SPOT DISTRIBUTION LAMPS



Spacing Criterion 0.3  
Total Luminaire Efficiency 60.7%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

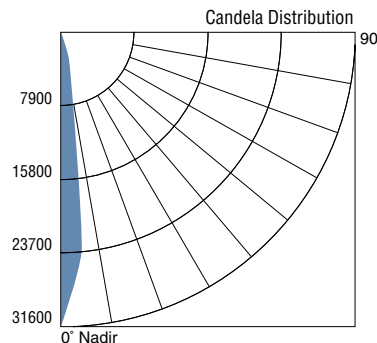
Room Cavity Ratio	RC	80%				50%				30%				0%
	RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%		
	0	.72	.72	.72	.72	.67	.67	.67	.65	.65	.65	.61		
	1	.70	.69	.68	.67	.65	.64	.64	.63	.62	.62	.59		
	2	.68	.66	.64	.63	.63	.62	.61	.61	.61	.60	.58		
	3	.66	.64	.62	.60	.61	.60	.59	.60	.59	.58	.56		
	4	.64	.62	.59	.58	.60	.58	.57	.59	.57	.56	.55		
	5	.63	.60	.57	.56	.58	.56	.55	.57	.56	.55	.54		
	6	.61	.58	.56	.54	.57	.55	.54	.56	.55	.53	.52		
	7	.60	.56	.54	.53	.56	.54	.52	.55	.53	.52	.51		
8	.59	.55	.53	.51	.54	.52	.51	.54	.52	.51	.50			
9	.57	.54	.52	.50	.53	.51	.50	.53	.51	.50	.49			
10	.56	.53	.51	.49	.52	.50	.49	.52	.50	.49	.48			

RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

100w PAR-38 SPOT METAL HALIDE – 5200 LUMENS  
LOUVERED LENS TRIM  
CAT. NO. 300-D-X-L-100MH/PAR38/SP  
TEST NO. 3L1MP3S (6433)

## ENGCT LENS SPOT DISTRIBUTION LAMPS



Spacing Criterion 0.3  
Total Luminaire Efficiency 79.1%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC	80%				50%				30%				0%	
	RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
	0	.94	.94	.94	.94	.88	.88	.88	.84	.84	.84	.79			
	1	.91	.90	.88	.87	.85	.84	.83	.82	.81	.81	.77			
	2	.89	.86	.84	.82	.82	.81	.79	.80	.79	.78	.75			
	3	.86	.83	.80	.78	.80	.78	.76	.78	.76	.75	.73			
	4	.84	.80	.77	.75	.78	.75	.74	.76	.74	.73	.71			
	5	.82	.77	.75	.72	.76	.73	.71	.74	.72	.71	.70			
	6	.80	.75	.72	.70	.74	.71	.70	.73	.71	.69	.68			
	7	.78	.73	.70	.68	.72	.70	.68	.71	.69	.67	.66			
8	.76	.71	.69	.67	.70	.68	.66	.70	.68	.66	.65				
9	.74	.70	.67	.65	.69	.66	.65	.68	.66	.65	.64				
10	.73	.68	.65	.64	.67	.65	.63	.67	.65	.63	.62				

RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

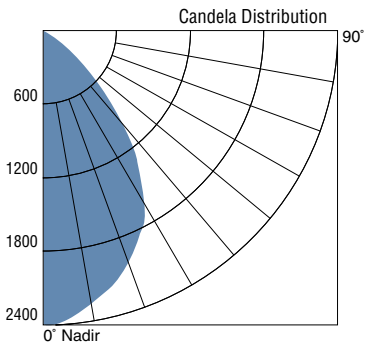
### DESCRIPTION

100w PAR-38 SPOT METAL HALIDE – 5200 LUMENS  
CLEAR LENS TRIM  
CAT. NO. 300-D/U/E-X-C-100MH/PAR38/SP  
TEST NO. 3CL1MP3S (6446)



# ENCLOSED TRIMS – R HID LAMPS

## FLAT LENS FLOOD DISTRIBUTION LAMPS



Spacing Criterion 1  
Total Luminaire Efficiency 51.9%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

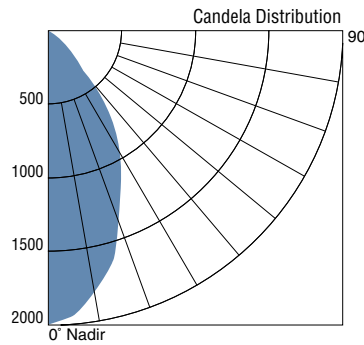
Room Cavity Ratio	RC				80%				50%				30%				0%			
	RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	50%	30%	10%	0%	50%	30%	10%	0%
0	.62	.62	.62	.62	.58	.58	.58	.55	.55	.55	.52	.52	.55	.55	.55	.52	.52	.52	.52	.52
1	.58	.57	.55	.54	.53	.52	.51	.51	.51	.50	.47	.47	.51	.51	.50	.47	.47	.47	.47	.47
2	.55	.52	.49	.47	.49	.47	.45	.47	.46	.44	.43	.43	.47	.46	.44	.43	.43	.43	.43	.43
3	.51	.47	.44	.42	.45	.43	.41	.44	.42	.40	.38	.35	.44	.42	.40	.38	.35	.35	.35	.35
4	.48	.43	.40	.37	.41	.39	.36	.40	.38	.36	.35	.33	.40	.38	.36	.35	.33	.33	.33	.33
5	.45	.40	.36	.33	.38	.35	.33	.37	.35	.33	.31	.29	.37	.35	.33	.31	.29	.29	.29	.29
6	.42	.37	.33	.30	.35	.32	.30	.35	.32	.30	.29	.27	.34	.32	.30	.29	.27	.27	.27	.27
7	.40	.34	.30	.28	.33	.30	.27	.32	.29	.27	.26	.24	.31	.29	.27	.26	.24	.24	.24	.24
8	.37	.31	.28	.25	.30	.27	.25	.30	.27	.25	.24	.22	.29	.27	.25	.24	.22	.22	.22	.22
9	.35	.29	.26	.23	.28	.25	.23	.28	.25	.23	.22	.20	.27	.25	.23	.22	.20	.20	.20	.20
10	.33	.27	.24	.22	.27	.24	.21	.26	.23	.21	.20	.18	.25	.23	.21	.20	.18	.18	.18	.18

RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

100w R-40 FLOOD METAL HALIDE – 6700 LUMENS  
FLAT LENS TRIM  
CAT. NO. 300-D-L-100MH/R40/FL  
TEST NO. 3L1MR4F (6417)

## LENS WITH LOUVERS FLOOD DISTRIBUTION LAMPS



Spacing Criterion 0.8  
Total Luminaire Efficiency 29.7%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

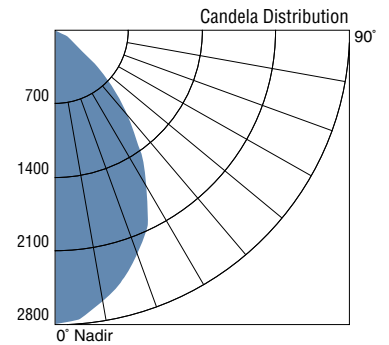
Room Cavity Ratio	RC				80%				50%				30%				0%			
	RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	50%	30%	10%	0%	50%	30%	10%	0%
0	.35	.35	.35	.35	.33	.33	.33	.32	.32	.32	.30	.30	.32	.32	.32	.30	.30	.30	.30	.30
1	.34	.33	.32	.31	.31	.30	.30	.30	.29	.29	.28	.28	.30	.29	.29	.28	.28	.28	.28	.28
2	.32	.30	.29	.28	.29	.28	.27	.28	.27	.26	.25	.25	.28	.27	.26	.25	.25	.25	.25	.25
3	.30	.28	.26	.25	.27	.26	.25	.26	.25	.24	.23	.23	.26	.25	.24	.23	.23	.23	.23	.23
4	.28	.26	.24	.23	.25	.24	.22	.24	.23	.22	.21	.21	.24	.23	.22	.21	.21	.21	.21	.21
5	.27	.24	.22	.21	.23	.22	.21	.23	.22	.21	.20	.20	.23	.22	.21	.20	.20	.20	.20	.20
6	.25	.22	.21	.19	.22	.20	.19	.21	.20	.19	.18	.18	.21	.20	.19	.18	.18	.18	.18	.18
7	.24	.21	.19	.18	.20	.19	.18	.20	.19	.17	.17	.17	.20	.19	.17	.17	.17	.17	.17	.17
8	.23	.20	.18	.16	.19	.17	.16	.19	.17	.16	.15	.15	.19	.17	.16	.15	.15	.15	.15	.15
9	.21	.18	.17	.15	.18	.16	.15	.18	.16	.15	.14	.14	.17	.15	.14	.14	.14	.14	.14	.14
10	.20	.17	.16	.14	.17	.15	.14	.17	.15	.14	.13	.13	.16	.14	.13	.13	.13	.13	.13	.13

RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

100w R-40 FLOOD METAL HALIDE – 6700 LUMENS  
LOUVERED LENS TRIM  
CAT. NO. 300-D-X-LL-100MH  
TEST NO. 3L1MR4F (6421)

## ENGCT LENS FLOOD DISTRIBUTION LAMPS



Spacing Criterion 1  
Total Luminaire Efficiency 49.9%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

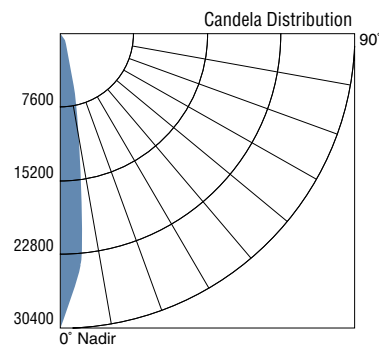
Room Cavity Ratio	RC				80%				50%				30%				0%			
	RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	50%	30%	10%	0%	50%	30%	10%	0%
0	.59	.59	.59	.59	.55	.55	.55	.53	.53	.53	.50	.50	.53	.53	.53	.50	.50	.50	.50	.50
1	.56	.55	.53	.52	.51	.50	.50	.50	.49	.48	.46	.46	.50	.49	.48	.46	.46	.46	.46	.46
2	.53	.50	.48	.46	.47	.46	.44	.46	.45	.43	.41	.41	.46	.45	.43	.41	.41	.41	.41	.41
3	.50	.46	.43	.41	.44	.42	.40	.43	.41	.39	.38	.38	.43	.41	.39	.38	.38	.38	.38	.38
4	.47	.42	.39	.37	.40	.38	.36	.39	.37	.35	.34	.34	.40	.38	.36	.35	.34	.34	.34	.34
5	.44	.39	.36	.33	.37	.35	.33	.37	.35	.33	.31	.31	.37	.35	.33	.31	.31	.31	.31	.31
6	.41	.36	.33	.30	.35	.32	.30	.34	.32	.30	.28	.28	.34	.32	.30	.28	.28	.28	.28	.28
7	.39	.33	.30	.28	.32	.29	.27	.32	.29	.27	.26	.26	.32	.29	.27	.26	.26	.26	.26	.26
8	.36	.31	.28	.25	.30	.27	.25	.30	.27	.25	.24	.24	.30	.27	.25	.24	.24	.24	.24	.24
9	.34	.29	.26	.23	.28	.25	.23	.28	.25	.23	.22	.22	.28	.25	.23	.22	.22	.22	.22	.22
10	.33	.27	.24	.22	.26	.24	.22	.26	.23	.21	.20	.20	.26	.23	.21	.20	.20	.20	.20	.20

RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

100w R-40 FLOOD METAL HALIDE – 6700 LUMENS  
CLEAR LENS TRIM  
CAT. NO. 300-D/U/E-X-C-100MH/R40/FL  
TEST NO. 3CL1MR4F (6419)

## FLAT LENS SPOT DISTRIBUTION LAMPS



Spacing Criterion 0.3  
Total Luminaire Efficiency 76.4%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

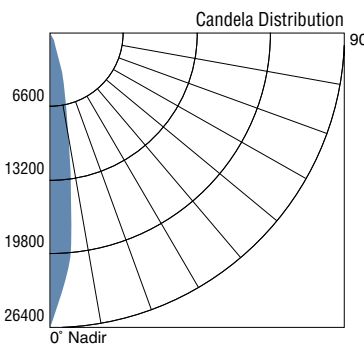
Room Cavity Ratio	RC				80%				50%				30%				0%			
	RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	50%	30%	10%	0%	50%	30%	10%	0%
0	.91	.91	.91	.91	.85	.85	.85	.81	.81	.81	.76	.76	.81	.81	.81	.76	.76	.76	.76	.76
1	.88	.86	.85	.84	.82	.81	.80	.79	.78	.77	.74	.74	.79	.78	.77	.74	.74	.74	.74	.74
2	.85	.82	.80	.78	.79	.77	.76	.76	.75	.74	.71	.71	.76	.75	.74	.71	.71	.71	.71	.71
3	.82	.79	.76	.74	.76	.74	.72	.74	.72	.70	.67	.67	.74	.72	.70	.67	.67	.67	.67	.67
4	.80	.76	.73	.70	.73	.71	.69	.72	.70	.68	.65	.65	.72	.70	.68	.65	.65	.65	.65	.65
5	.77	.73	.70	.68	.71	.69	.67	.70	.68	.66	.63	.63	.70	.68	.66	.63	.63	.63	.63	.63
6	.75	.71	.67	.65	.69	.66	.65	.68	.66	.64	.61	.61	.68	.66	.64	.61	.61	.61	.61	.61
7	.73	.68	.65	.63	.67	.64	.62	.66	.64	.62	.59	.59	.66	.64	.62	.59	.59	.59	.59	.59
8	.71	.66	.63	.61	.65	.63	.61	.65	.62	.60	.57	.57	.64	.62	.60	.57	.57	.57	.57	.57
9	.69	.64	.61	.59	.63	.61	.59	.63	.60	.58	.55	.55	.62	.60	.58	.55	.55	.55	.55	.55
10	.68	.63	.60	.58	.62	.59	.57	.61	.59	.57	.54	.54	.60	.58	.56	.54	.54	.54	.54	.54

RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

100w R-40 SPOT METAL HALIDE – 6700 LUMENS  
FLAT LENS TRIM  
CAT. NO. 300-D-X-L-100MH/R40/SP  
TEST NO. 3L1MR4S (6426)

## LENS WITH LOUVERS SPOT DISTRIBUTION LAMPS



Spacing Criterion 0.3  
Total Luminaire Efficiency 56.3%

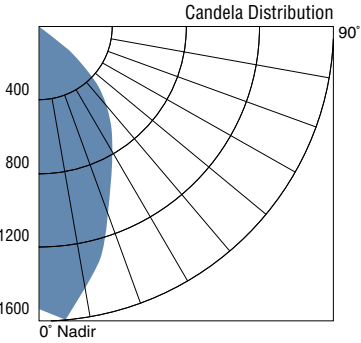
### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC	80%				50%				30%				0%
	RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%		
0	.67	.67	.67	.67	.63	.63	.63	.60	.60	.60	.56	.56		
1	.65	.64	.63	.62	.60	.60	.59	.58	.57	.56	.53	.53		
2	.63	.61	.60	.58	.58	.57	.56	.55	.54	.53	.50	.50		
3	.61	.59	.57	.55	.57	.55	.54	.55	.54	.53	.53	.52		
4	.60	.57	.55	.53	.55	.54	.52	.54	.53	.52	.50	.50		
5	.58	.55	.53	.51	.54	.52	.51	.53	.51	.50	.49	.49		
6	.57	.53	.51	.50	.52	.50	.49	.52	.50	.49	.48	.48		
7	.55	.52	.50	.48	.51	.49	.48	.50	.49	.48	.47	.47		
8	.54	.51	.48	.47	.50	.48	.47	.49	.48	.47	.46	.46		
9	.53	.49	.47	.46	.49	.47	.46	.47	.46	.47	.45	.45		
10	.52	.48	.46	.45	.48	.46	.45	.47	.46	.44	.44	.44		

OPEN TRIMS – COMPACT FLUORESCENT LAMPS

REFLECTOR 42W – TRIPLE TUBE



Spacing Criterion 0.9  
Total Luminaire Efficiency 55%

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

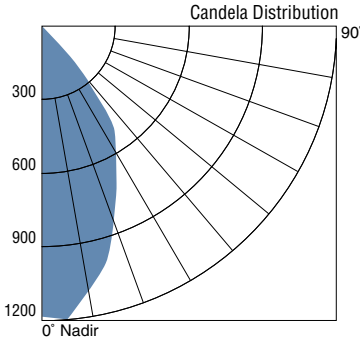
RC	80%				50%				30%				0%
RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%			
0	.65	.65	.65	.65	.61	.61	.61	.59	.59	.59	.55	.55	
1	.62	.60	.59	.57	.57	.56	.55	.55	.54	.53	.50	.50	
2	.58	.55	.53	.50	.52	.50	.49	.51	.49	.48	.46	.46	
3	.55	.50	.47	.45	.48	.46	.44	.47	.45	.43	.41	.41	
4	.51	.46	.43	.40	.44	.42	.39	.43	.41	.39	.37	.37	
5	.48	.43	.39	.36	.41	.38	.36	.40	.37	.35	.34	.34	
6	.45	.39	.36	.33	.38	.35	.32	.37	.34	.32	.31	.31	
7	.42	.36	.33	.30	.35	.32	.30	.35	.32	.30	.29	.28	
8	.40	.34	.30	.28	.33	.30	.27	.32	.29	.27	.26	.26	
9	.38	.32	.28	.25	.31	.28	.25	.30	.27	.25	.24	.24	
10	.36	.30	.26	.24	.29	.26	.23	.28	.25	.23	.22	.22	

RC-Effective Ceiling Cavity Reflectance RW-Effective Wall Reflectance

DESCRIPTION

42w TRIPLE TUBE – 3200 LUMENS  
REFLECTOR TRIM  
CAT. NO. 300-O-X-R-42F  
TEST NO. 3R42F (6485)

REFLECTOR 32W – TRIPLE TUBE



Spacing Criterion 0.9  
Total Luminaire Efficiency 46.8%

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

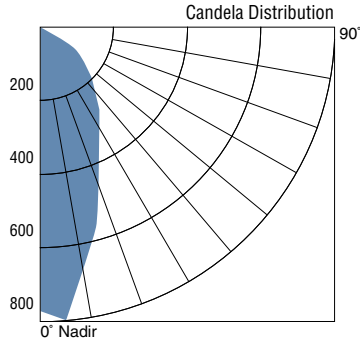
RC	80%				50%				30%				0%
RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%		
0	.56	.56	.56	.56	.52	.52	.52	.50	.50	.50	.47	.47	
1	.53	.52	.50	.49	.49	.48	.47	.47	.46	.46	.43	.43	
2	.50	.48	.46	.44	.45	.44	.42	.44	.43	.42	.40	.40	
3	.47	.44	.42	.40	.42	.40	.39	.41	.39	.38	.37	.37	
4	.45	.41	.38	.36	.39	.37	.35	.38	.36	.35	.34	.34	
5	.42	.38	.35	.33	.37	.34	.32	.36	.34	.32	.31	.31	
6	.40	.35	.32	.30	.34	.32	.30	.33	.31	.29	.29	.29	
7	.38	.33	.30	.28	.32	.29	.27	.31	.29	.27	.26	.26	
8	.35	.31	.28	.26	.30	.27	.25	.29	.27	.25	.25	.25	
9	.34	.29	.26	.24	.28	.25	.24	.28	.25	.24	.23	.23	
10	.32	.27	.24	.22	.26	.24	.22	.26	.24	.22	.21	.21	

RC-Effective Ceiling Cavity Reflectance RW-Effective Wall Reflectance

DESCRIPTION

32w TRIPLE TUBE – 2400 LUMENS  
REFLECTOR TRIM  
CAT. NO. 300-O-X-R-32F  
TEST NO. 3R32F (6488)

REFLECTOR 26W – QUAD TUBE



Spacing Criterion 0.7  
Total Luminaire Efficiency 45.5%

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

RC	80%				50%				30%				0%	
RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	.54	.54	.54	.54	.51	.51	.51	.48	.48	.48	.46	.46	.46	.46
1	.51	.50	.48	.47	.47	.46	.45	.45	.44	.44	.41	.41	.40	.37
2	.48	.45	.43	.41	.43	.41	.40	.41	.40	.39	.37	.36	.35	.31
3	.45	.41	.38	.36	.39	.37	.35	.38	.36	.35	.34	.33	.31	.30
4	.42	.38	.35	.32	.36	.34	.32	.35	.33	.31	.30	.29	.28	.25
5	.39	.34	.31	.29	.33	.30	.28	.32	.30	.28	.27	.26	.25	.22
6	.37	.32	.28	.26	.31	.28	.26	.30	.27	.26	.25	.24	.23	.21
7	.34	.29	.26	.24	.28	.26	.24	.28	.25	.23	.23	.22	.21	.20
8	.32	.27	.24	.22	.26	.24	.22	.26	.23	.22	.21	.20	.19	.18
9	.31	.25	.22	.20	.25	.22	.20	.24	.22	.20	.19	.18	.17	.16
10	.29	.24	.21	.19	.23	.20	.19	.23	.20	.18	.17	.16	.15	.14

RC-Effective Ceiling Cavity Reflectance RW-Effective Wall Reflectance

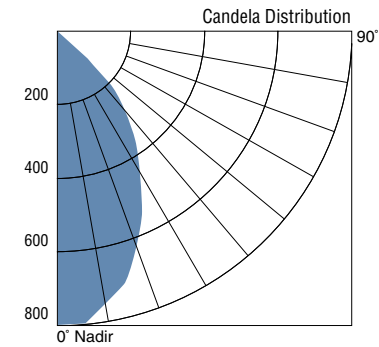
DESCRIPTION

26w QUAD TUBE – 1800 LUMENS  
REFLECTOR TRIM  
CAT. NO. 300-O-X-R-26F  
TEST NO. 3R26F (6482)

# ENCLOSED TRIMS – COMPACT FLUORESCENT LAMPS

## FLAT LENS

## 42W TRIPLE TUBE



Spacing Criterion 0.9  
Total Luminaire Efficiency 38.7%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC	80%				50%				30%				0%			
		70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
	RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	.46	.46	.46	.46	.46	.43	.43	.43	.41	.41	.41	.39	.39	.39	.39	.39	.39
1	.43	.42	.41	.40	.40	.39	.38	.38	.38	.38	.37	.35	.35	.35	.35	.35	.35
2	.41	.39	.37	.35	.35	.37	.35	.34	.35	.34	.33	.32	.32	.32	.32	.32	.32
3	.38	.35	.33	.31	.31	.34	.32	.30	.33	.31	.30	.29	.29	.29	.29	.29	.29
4	.36	.32	.30	.28	.28	.31	.29	.27	.30	.28	.27	.26	.26	.26	.26	.26	.26
5	.34	.30	.27	.25	.25	.29	.26	.25	.28	.26	.24	.24	.24	.24	.24	.24	.24
6	.31	.27	.25	.23	.23	.26	.24	.23	.26	.24	.22	.22	.22	.22	.22	.22	.22
7	.30	.25	.23	.21	.21	.25	.22	.21	.24	.22	.20	.20	.20	.20	.20	.20	.20
8	.28	.24	.21	.19	.19	.23	.21	.19	.23	.20	.19	.18	.18	.18	.18	.18	.18
9	.26	.22	.19	.18	.18	.21	.19	.18	.21	.19	.17	.17	.17	.17	.17	.17	.17
10	.25	.21	.18	.16	.16	.20	.18	.16	.20	.18	.16	.16	.16	.16	.16	.16	.16

RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

42w TRIPLE TUBE – 3200 LUMENS

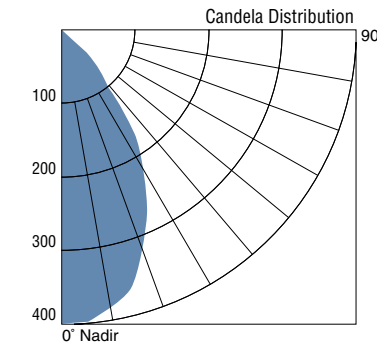
FLAT LENS TRIM

CAT. NO. 300-D-X-L-42F

TEST NO. 3L42F (6480)

## FLAT LENS

## 32W TRIPLE TUBE



Spacing Criterion 0.9  
Total Luminaire Efficiency 25.3%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC	80%				50%				30%				0%			
		70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
	RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	.30	.30	.30	.30	.30	.28	.28	.28	.27	.27	.27	.25	.25	.25	.25	.25	.25
1	.29	.28	.27	.26	.26	.26	.26	.25	.25	.25	.24	.23	.23	.23	.23	.23	.23
2	.27	.25	.24	.23	.23	.24	.23	.23	.23	.23	.22	.21	.21	.21	.21	.21	.21
3	.25	.23	.22	.21	.21	.22	.21	.20	.22	.21	.20	.19	.19	.19	.19	.19	.19
4	.24	.22	.20	.19	.19	.21	.20	.19	.20	.19	.18	.18	.18	.18	.18	.18	.18
5	.22	.20	.18	.17	.17	.19	.18	.17	.19	.18	.17	.16	.16	.16	.16	.16	.16
6	.21	.19	.17	.16	.16	.18	.17	.16	.18	.16	.15	.15	.15	.15	.15	.15	.15
7	.20	.17	.16	.14	.14	.17	.15	.14	.17	.15	.14	.14	.14	.14	.14	.14	.14
8	.19	.16	.15	.13	.13	.16	.14	.13	.15	.14	.13	.13	.13	.13	.13	.13	.13
9	.18	.15	.14	.12	.12	.15	.13	.12	.15	.13	.12	.12	.12	.12	.12	.12	.12
10	.17	.14	.13	.12	.12	.14	.12	.12	.14	.12	.11	.11	.11	.11	.11	.11	.11

RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

32w TRIPLE TUBE – 2400 LUMENS

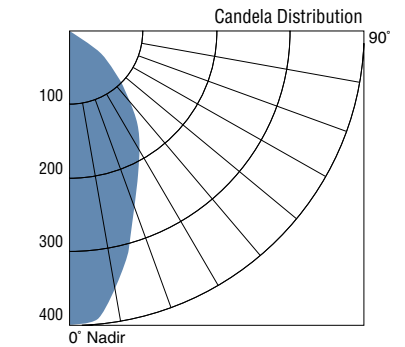
FLAT LENS TRIM

CAT. NO. 300-D-X-L-32F

TEST NO. 3L32F (6486)

## FLAT LENS

## 26W QUAD TUBE



Spacing Criterion 0.8  
Total Luminaire Efficiency 32.5%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC	80%				50%				30%				0%			
		70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
	RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	.39	.39	.39	.39	.39	.36	.36	.36	.35	.35	.35	.32	.32	.32	.32	.32	.32
1	.36	.35	.33	.33	.33	.33	.32	.32	.32	.32	.31	.31	.31	.31	.31	.31	.31
2	.34	.32	.29	.29	.29	.30	.29	.28	.29	.28	.27	.26	.26	.26	.26	.26	.26
3	.32	.29	.26	.26	.26	.28	.26	.25	.27	.26	.24	.23	.23	.23	.23	.23	.23
4	.30	.27	.23	.23	.23	.25	.24	.22	.25	.23	.22	.21	.21	.21	.21	.21	.21
5	.28	.24	.20	.20	.20	.23	.22	.20	.23	.21	.20	.19	.19	.19	.19	.19	.19
6	.26	.22	.18	.18	.18	.22	.20	.18	.21	.19	.18	.17	.17	.17	.17	.17	.17
7	.24	.21	.17	.17	.17	.20	.18	.17	.20	.18	.17	.16	.16	.16	.16	.16	.16
8	.23	.19	.15	.15	.15	.19	.17	.15	.18	.17	.15	.14	.14	.14	.14	.14	.14
9	.22	.18	.14	.14	.14	.18	.16	.14	.17	.15	.14	.13	.13	.13	.13	.13	.13
10	.21	.17	.13	.13	.13	.16	.14	.13	.16	.14	.13	.12	.12	.12	.12	.12	.12

RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

26w QUAD TUBE – 1800 LUMENS

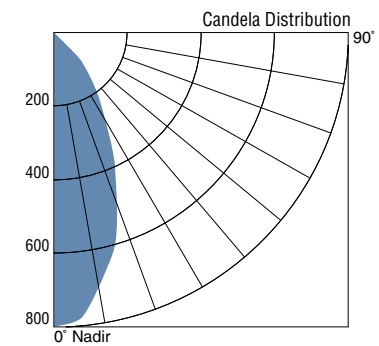
FLAT LENS TRIM

CAT. NO. 300-D-X-L-26F

TEST NO. 3L26F (6481)

## LENS WITH LOUVER

## 42W TRIPLE TUBE



Spacing Criterion 0.8  
Total Luminaire Efficiency 23.3%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC	80%				50%				30%				0%			
		70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
	RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	.28	.28	.28	.28	.28	.26	.26	.26	.25	.25	.25	.23	.23	.23	.23	.23	.23
1	.26	.26	.25	.24	.24	.24	.24	.23	.23	.23	.23	.22	.22	.22	.22	.22	.22
2	.25	.24	.23	.22	.22	.23	.22	.21	.22	.21	.21	.20	.20	.20	.20	.20	.20
3	.24	.22	.21	.20	.21	.20	.19	.18	.20	.19	.18	.18	.18	.18	.18	.18	.18
4	.22	.20	.19	.18	.18	.20	.18	.18	.19	.18	.17	.17	.17	.17	.17	.17	.17
5	.21	.19	.17	.16	.16	.18	.17	.16	.18	.17	.16	.16	.16	.16	.16	.16	.16
6	.20	.18	.16	.15	.15	.17	.16	.15	.17	.16	.15	.14	.14	.14	.14	.14	.14
7	.19	.17	.15	.14	.14	.16	.15	.14	.16	.15	.14	.13	.13	.13	.13	.13	.13
8	.18	.16	.14	.13	.13	.15	.14	.13	.15	.14	.13	.12	.12	.12	.12	.12	.12
9	.17	.15	.13	.12	.12	.14	.13	.12	.14	.13	.12	.11	.11	.11	.11	.11	.11
10	.16	.14	.12	.11	.11	.13	.12	.11	.13	.12	.11	.11	.11	.11	.11	.11	.11

RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

42w TRIPLE TUBE – 3200 LUMENS

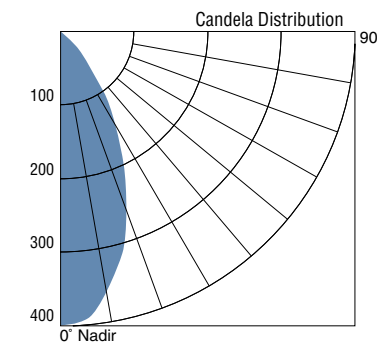
LOUVERED LENS TRIM

CAT. NO. 300-D-X-L-42F

TEST NO. 3LV42F (6484)

## LENS WITH LOUVER

## 32W TRIPLE TUBE



Spacing Criterion 0.8  
Total Luminaire Efficiency 18.7%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC	80%				50%				30%				0%			
		70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
	RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	.22	.22	.22	.22	.22	.21	.21	.21	.20	.20	.20	.19	.19	.19	.19	.19	.19
1	.21	.21	.20	.20	.20	.19	.19	.19	.19	.19	.18	.17	.17	.17	.17	.17	.17
2	.20	.19	.18	.18	.18	.18	.17	.17	.18	.17	.16	.16	.16	.16	.16	.16	.16
3	.19	.18	.17	.16	.16	.17	.16	.16	.17	.16	.15	.15	.15	.15	.15	.15	.15
4	.18	.17	.16	.15	.15	.16	.15	.14	.16	.15	.14	.14	.14	.14	.14	.14	.14
5	.17	.15	.14	.14	.14	.15	.14	.13	.15	.14	.13	.13	.13	.13	.13	.13	.13
6	.16	.14	.13	.13	.13	.14	.13	.12	.14	.13	.12	.12	.12	.12	.12	.12	.12
7	.15	.14	.12	.12	.12	.13	.12	.12	.13	.12	.11	.11	.11	.11	.11	.11	.11
8	.15	.13	.12	.11	.11	.12	.12	.11	.12	.11	.11	.10	.10	.10	.10	.10	.10
9	.14	.12	.11	.10	.10	.12	.11	.10	.12	.11	.10	.10	.10	.10	.10	.10	.10
10	.13	.11	.10	.10	.10	.11	.10	.10	.11	.10	.10	.09	.09	.09	.09	.09	.09

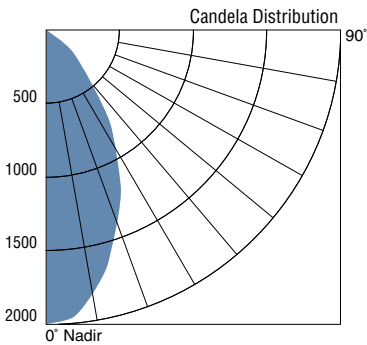
RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

# OPEN TRIMS – INCANDESCENT LAMPS

## BAFFLE TRIM

## R- LAMP, FLOOD



Spacing Criterion 0.9  
Total Luminaire Efficiency 69.8%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC				80%				50%				30%				0%			
	RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	50%	30%	10%	0%	50%	30%	10%	0%
0	.83	.83	.83	.83	.78	.78	.78	.74	.74	.74	.74	.70	.70	.69	.68	.65	.65	.64	.62	.59
1	.79	.77	.75	.73	.73	.71	.70	.70	.69	.68	.65	.63	.65	.64	.62	.59	.57	.54	.52	.50
2	.75	.71	.68	.65	.63	.60	.58	.57	.54	.52	.50	.48	.46	.44	.43	.40	.38	.36	.34	.32
3	.70	.66	.62	.59	.57	.54	.52	.50	.48	.46	.44	.43	.40	.38	.36	.34	.32	.30	.28	.26
4	.67	.61	.57	.54	.51	.47	.44	.41	.38	.36	.34	.32	.30	.28	.26	.24	.22	.20	.18	.16
5	.63	.57	.52	.49	.46	.43	.40	.37	.34	.32	.30	.28	.26	.24	.22	.20	.18	.16	.14	.12
6	.59	.53	.48	.45	.42	.39	.36	.33	.30	.28	.26	.24	.22	.20	.18	.16	.14	.12	.10	.08
7	.56	.49	.45	.42	.40	.37	.34	.32	.30	.28	.26	.24	.22	.20	.18	.16	.14	.12	.10	.08
8	.53	.46	.42	.39	.37	.34	.32	.30	.28	.26	.24	.22	.20	.18	.16	.14	.12	.10	.08	.06
9	.50	.43	.39	.36	.34	.32	.30	.28	.26	.24	.22	.20	.18	.16	.14	.12	.10	.08	.06	.04
10	.48	.41	.36	.34	.32	.30	.28	.26	.24	.22	.20	.18	.16	.14	.12	.10	.08	.06	.04	.02

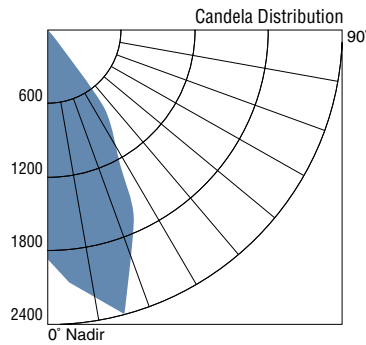
RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

300w R-40 FLOOD – 3030 LUMENS  
BLACK BAFFLE TRIM  
CAT. NO. 300-O-X-B-300/R40/FL  
TEST NO. 3B30R4F (6497)

## BAFFLE TRIM

## R- LAMP, SPOT



Spacing Criterion 1.1  
Total Luminaire Efficiency 73.5%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC				80%				50%				30%				0%			
	RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	50%	30%	10%	0%	50%	30%	10%	0%
0	.87	.87	.87	.87	.82	.82	.82	.78	.78	.78	.73	.70	.70	.69	.68	.65	.65	.64	.62	.59
1	.83	.81	.80	.78	.77	.76	.74	.74	.73	.72	.69	.67	.69	.68	.66	.63	.63	.62	.60	.57
2	.79	.76	.73	.70	.72	.70	.68	.70	.68	.67	.64	.62	.67	.66	.64	.61	.61	.60	.58	.55
3	.75	.71	.67	.64	.68	.65	.63	.66	.64	.62	.60	.58	.64	.63	.61	.58	.58	.56	.54	.51
4	.72	.66	.62	.59	.64	.60	.58	.62	.59	.57	.55	.53	.60	.59	.57	.54	.54	.52	.50	.47
5	.68	.62	.58	.54	.60	.56	.54	.59	.56	.53	.52	.50	.57	.56	.54	.51	.51	.49	.47	.44
6	.65	.58	.54	.50	.56	.53	.50	.55	.52	.50	.48	.46	.54	.53	.51	.48	.48	.46	.44	.41
7	.61	.54	.50	.47	.53	.49	.47	.52	.49	.46	.45	.43	.51	.50	.48	.45	.45	.43	.41	.38
8	.58	.51	.47	.44	.50	.46	.44	.49	.46	.43	.42	.40	.48	.47	.45	.42	.42	.40	.38	.35
9	.55	.48	.44	.41	.47	.43	.41	.47	.43	.41	.40	.38	.46	.45	.43	.40	.40	.38	.36	.33
10	.53	.46	.41	.38	.45	.41	.38	.44	.41	.38	.37	.35	.43	.42	.40	.37	.37	.35	.33	.30

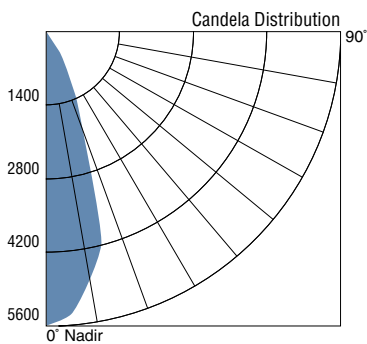
RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

300w R-40 SPOT – 3030 LUMENS  
BLACK BAFFLE TRIM  
CAT. NO. 300-O-X-B-300/R40/SP  
TEST NO. 3B30R4S (6496)

## BAFFLE TRIM

## PAR- LAMP, FLOOD



Spacing Criterion 0.7  
Total Luminaire Efficiency 75.5%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC				80%				50%				30%				0%			
	RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	50%	30%	10%	0%	50%	30%	10%	0%
0	.90	.90	.90	.90	.84	.84	.84	.80	.80	.80	.76	.72	.76	.75	.72	.68	.68	.66	.63	.60
1	.86	.84	.83	.81	.80	.79	.78	.77	.76	.75	.72	.68	.76	.75	.72	.68	.68	.66	.63	.60
2	.83	.80	.77	.75	.76	.74	.72	.74	.72	.71	.68	.65	.73	.72	.69	.65	.65	.63	.60	.57
3	.79	.75	.72	.69	.72	.70	.68	.71	.69	.67	.65	.62	.70	.69	.66	.62	.62	.60	.57	.54
4	.76	.71	.68	.65	.69	.66	.64	.68	.65	.63	.61	.58	.67	.66	.63	.59	.59	.57	.54	.51
5	.73	.68	.64	.61	.66	.63	.60	.65	.62	.60	.58	.55	.64	.63	.60	.56	.56	.54	.51	.48
6	.70	.65	.61	.58	.63	.60	.57	.62	.59	.57	.55	.52	.61	.60	.57	.53	.53	.51	.48	.45
7	.67	.62	.58	.55	.60	.57	.54	.59	.56	.54	.52	.49	.58	.57	.54	.50	.50	.48	.45	.42
8	.65	.59	.55	.52	.58	.55	.52	.57	.54	.52	.50	.47	.56	.55	.52	.48	.48	.46	.43	.40
9	.62	.56	.52	.50	.55	.52	.50	.54	.51	.49	.47	.44	.53	.52	.49	.45	.45	.43	.40	.37
10	.60	.54	.50	.48	.53	.50	.48	.52	.49	.47	.45	.42	.51	.50	.47	.43	.43	.41	.38	.35

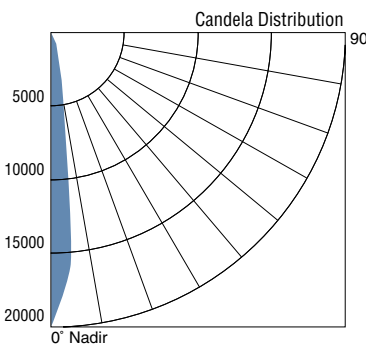
RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

250w PAR-38 FLOOD – 3600 LUMENS  
BLACK BAFFLE TRIM  
CAT. NO. 300-O-X-B-250/PAR38/FL  
TEST NO. 3B25P3F (6499)

## BAFFLE TRIM

## PAR- LAMP, SPOT



Spacing Criterion 0.3  
Total Luminaire Efficiency 89.2%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC				80%				50%				30%				0%			
	RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	50%	30%	10%	0%	50%	30%	10%	0%
0	100	100	100	100	.99	.99	.99	.95	.95	.95	.89	.84	.95	.94	.91	.87	.87	.85	.81	.77
1	100	100	99	98	.96	.94	.93	.92	.91	.91	.87	.82	.94	.93	.90	.86	.86	.84	.81	.77
2	100	97	94	92	.92	.90	.89	.90	.88	.87	.84	.80	.92	.91	.88	.84	.84	.82	.79	.75
3	.97	.93	.90	.87	.89	.87	.85	.87	.85	.84	.81	.77	.89	.88	.85	.81	.81	.79	.76	.72
4	.94	.89	.86	.83	.87	.84	.82	.85	.83	.81	.79	.76	.87	.86	.83	.79	.79	.77	.74	.70
5	.91	.86	.83	.80	.84	.81	.79	.83	.80	.79	.77	.74	.85	.84	.81	.77	.77	.75	.72	.68
6	.89	.83	.80	.77	.82	.79	.77	.81	.78	.76	.75	.72	.83	.82	.79	.75	.75	.73	.70	.66
7	.86	.81	.77	.75	.80	.77	.74	.79	.76	.74	.73	.70	.81	.80	.77	.73	.73	.71	.68	.64
8	.84	.79	.75	.73	.77	.75	.72	.77	.74	.72	.71	.68	.79	.78	.75	.71	.71	.69	.66	.62
9	.82	.77	.73	.71	.76	.73	.71	.75	.72	.70	.69	.66	.77	.76	.73	.69	.69	.67	.64	.60
10	.80	.75	.71	.69	.74	.71	.69	.73	.71	.69	.68	.65	.75	.74	.71	.67	.67	.65	.62	.58

RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

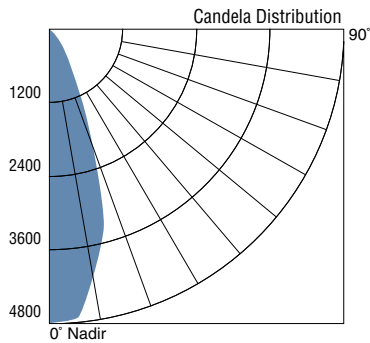
250w PAR-38 SPOT – 3600 LUMENS  
BLACK BAFFLE TRIM  
CAT. NO. 300-O-X-B-250/PAR38/SP  
TEST NO. 3B25P3S (6498)



# ENCLOSED TRIMS – INCANDESCENT LAMPS

## FLAT LENS

## PAR- LAMP, FLOOD



Spacing Criterion 0.7  
Total Luminaire Efficiency 67.1%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC	80%				50%				30%				0%
		RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
0		.80	.80	.80	.80	.75	.75	.75	.75	.71	.71	.71	.67	
1		.77	.75	.73	.72	.71	.70	.69	.68	.68	.67	.67	.64	
2		.73	.71	.68	.66	.67	.65	.64	.65	.64	.63	.63	.60	
3		.70	.67	.64	.61	.64	.62	.60	.62	.60	.59	.57	.57	
4		.67	.63	.60	.57	.61	.58	.56	.60	.57	.56	.54	.54	
5		.65	.60	.56	.54	.58	.55	.53	.57	.54	.53	.51	.51	
6		.62	.57	.53	.51	.55	.52	.50	.54	.52	.50	.49	.49	
7		.59	.54	.51	.48	.53	.50	.48	.52	.49	.47	.46	.46	
8		.57	.52	.48	.46	.51	.48	.45	.50	.47	.45	.44	.44	
9		.55	.49	.46	.44	.48	.45	.43	.48	.45	.43	.42	.42	
10		.53	.47	.44	.42	.46	.43	.41	.46	.43	.41	.40	.40	

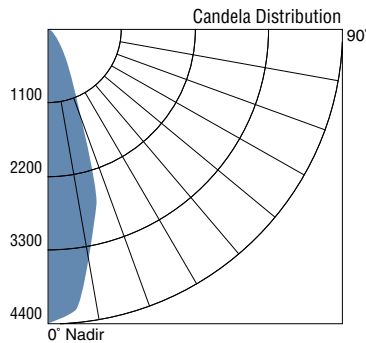
RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

250w PAR-38 FLOOD – 3600 LUMENS  
FLAT LENS TRIM  
CAT. NO. 300-D-X-L-250/PAR38/FL  
TEST NO. 3LV25P3F (6506)

## LENS WITH LOUVER

## PAR- LAMP, FLOOD



Spacing Criterion 0.6  
Total Luminaire Efficiency 47.1%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC	80%				50%				30%				0%
		RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
0		.56	.56	.56	.56	.52	.52	.52	.50	.50	.50	.47	.47	
1		.54	.53	.52	.51	.50	.49	.49	.48	.48	.47	.45	.45	
2		.52	.50	.48	.47	.48	.46	.45	.46	.45	.45	.43	.43	
3		.50	.47	.45	.44	.46	.44	.43	.44	.43	.42	.41	.41	
4		.48	.45	.43	.41	.44	.42	.41	.43	.41	.40	.39	.39	
5		.46	.43	.41	.39	.42	.40	.38	.41	.39	.38	.37	.37	
6		.44	.41	.39	.37	.40	.38	.37	.39	.38	.36	.36	.36	
7		.43	.39	.37	.35	.38	.36	.35	.38	.36	.35	.34	.34	
8		.41	.38	.35	.34	.37	.35	.33	.36	.35	.33	.33	.33	
9		.40	.36	.34	.32	.35	.33	.32	.35	.33	.32	.31	.31	
10		.38	.35	.32	.31	.34	.32	.31	.34	.32	.31	.30	.30	

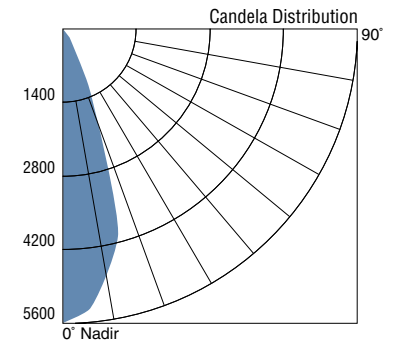
RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

250w PAR-38 FLOOD – 3600 LUMENS  
LOUVERED LENS TRIM  
CAT. NO. 300-D-X-LL-250/PAR38/FL  
TEST NO. 3LV25P3F (6505)

## FLAT LENS

## PAR- LAMP, FLOOD



Spacing Criterion 0.7  
Total Luminaire Efficiency 68.6%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC	80%				50%				30%				0%
		RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
0		.82	.82	.82	.82	.76	.76	.76	.76	.73	.73	.73	.69	
1		.78	.77	.75	.74	.73	.72	.71	.70	.69	.68	.65	.65	
2		.75	.72	.70	.68	.69	.67	.66	.67	.66	.64	.62	.62	
3		.72	.69	.66	.63	.66	.64	.62	.64	.62	.61	.59	.59	
4		.69	.65	.62	.59	.63	.60	.58	.62	.59	.58	.56	.56	
5		.67	.62	.59	.56	.60	.57	.55	.59	.57	.55	.54	.54	
6		.64	.59	.56	.53	.58	.55	.53	.57	.54	.52	.51	.51	
7		.62	.56	.53	.51	.55	.52	.50	.54	.52	.50	.49	.49	
8		.59	.54	.51	.48	.53	.50	.48	.52	.50	.48	.47	.47	
9		.57	.52	.48	.46	.51	.48	.46	.50	.48	.46	.45	.45	
10		.55	.50	.46	.44	.49	.46	.44	.48	.46	.44	.43	.43	

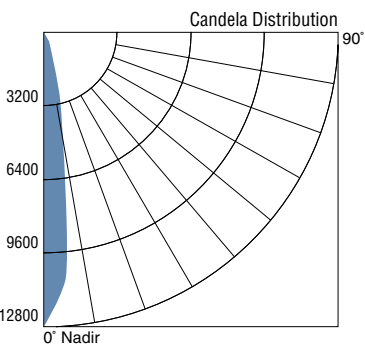
RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

250w PAR-38 FLOOD – 3600 LUMENS  
CONVEX LENS TRIM  
CAT. NO. 300-D/U/E-X-C-250/PAR38/FL  
TEST NO. 3CL25P3F (6512)

## FLAT LENS

## PAR- LAMP, SPOT



Spacing Criterion 0.4  
Total Luminaire Efficiency 64.5%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC	80%				50%				30%				0%
		RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
0		.77	.77	.77	.77	.72	.72	.72	.69	.69	.69	.65	.65	
1		.74	.73	.72	.71	.69	.68	.68	.67	.66	.66	.63	.63	
2		.72	.70	.68	.67	.67	.66	.65	.65	.64	.63	.61	.61	
3		.70	.67	.65	.63	.65	.63	.62	.63	.62	.61	.59	.59	
4		.68	.65	.63	.61	.63	.61	.60	.62	.60	.59	.58	.58	
5		.66	.63	.60	.59	.61	.59	.58	.60	.59	.57	.56	.56	
6		.65	.61	.59	.57	.60	.58	.56	.59	.57	.56	.55	.55	
7		.63	.59	.57	.55	.58	.56	.55	.58	.56	.54	.54	.54	
8		.62	.58	.55	.54	.57	.55	.53	.56	.54	.53	.52	.52	
9		.60	.56	.54	.52	.55	.53	.52	.55	.53	.52	.51	.51	
10		.59	.55	.53	.51	.54	.52	.51	.54	.52	.51	.50	.50	

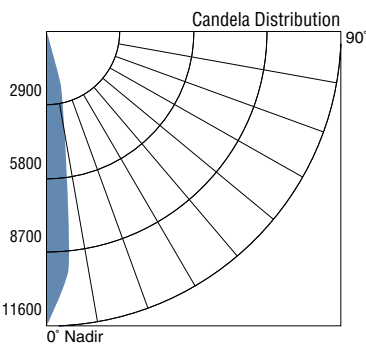
RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

250w PAR-38 SPOT – 3600 LUMENS  
FLAT LENS TRIM  
CAT. NO. 300-D-X-L-250/PAR38/SP  
TEST NO. 3LV25P3S (6508)

## LENS WITH LOUVER

## PAR- LAMP, SPOT



Spacing Criterion 0.4  
Total Luminaire Efficiency 46.6%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC	80%				50%				30%				0%
		RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
0		.55	.55	.55	.55	.52	.52	.52	.50	.50	.50	.47	.47	
1		.54	.53	.52	.51	.50	.49	.49	.48	.48	.47	.46	.46	
2		.52	.51	.50	.49	.49	.48	.47	.47	.47	.46	.45	.45	
3		.51	.49	.48	.47	.47	.46	.45	.46	.46	.45	.44	.44	
4		.50	.48	.46	.45	.46	.45	.44	.45	.44	.44	.43	.43	
5		.49	.46	.45	.44	.45	.44	.43	.45	.43	.43	.42	.42	
6		.48	.45	.44	.42	.44	.43	.42	.44	.43	.42	.41	.41	
7		.47	.44	.42	.41	.43	.42	.41	.43	.42	.41	.40	.40	
8		.46	.43	.41	.40	.42	.41	.40	.42	.41	.40	.39	.39	
9		.45	.42	.41	.40	.42	.40	.39	.41	.40	.39	.38	.38	
10		.44	.41	.40	.39	.41	.40	.39	.41	.39	.38	.37	.37	

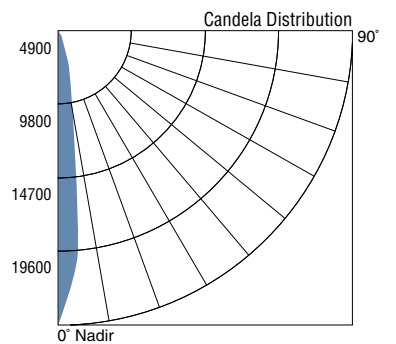
RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

250w PAR-38 SPOT – 3600 LUMENS  
LOUVERED LENS TRIM  
CAT. NO. 300-D-X-LL-250/PAR38/SP  
TEST NO. 3LV25P3S (6507)

## CLEAR LENS

## PAR- LAMP, SPOT



Spacing Criterion 0.3  
Total Luminaire Efficiency 71.2%

### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 20%

Room Cavity Ratio	RC	80%				50%				30%				0%
		RW	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
0		.85	.85	.85	.85	.79	.79	.79	.76	.76	.76	.71	.71	
1		.82	.81	.80	.79	.77	.76	.75	.74	.73	.73	.70	.70	
2		.80	.78	.76	.74	.74	.73	.72	.72	.71	.70	.68	.68	
3		.78	.75	.73	.71	.72	.71	.69	.71	.69	.68	.66	.66	
4		.76	.72	.70	.68	.70	.69	.67	.69	.67	.66	.65	.65	
5		.74	.70	.68	.66	.69	.67	.65	.68	.66	.65	.63	.63	
6		.72	.68	.66	.64	.67	.65	.63	.66	.64	.63	.62	.62	
7		.71	.67	.64	.62	.66	.63	.62	.65	.63	.62	.61	.61	
8		.69	.65	.63	.61	.64	.62	.61	.64	.62	.61	.60	.60	
9		.68	.64	.61	.60	.63	.61	.59	.62	.61	.59	.58	.58	
10		.66	.62	.60	.58	.62	.60	.58	.61	.59	.58	.57	.57	

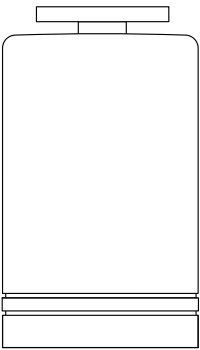
RC—Effective Ceiling Cavity Reflectance RW—Effective Wall Reflectance

### DESCRIPTION

250w PAR-38 SPOT – 3600 LUMENS  
CLEAR LENS TRIM  
CAT. NO. 300-D/U/E-X-C-250/PAR38/SP  
TEST NO. 3CL25P3S (6513)

# 300 LINE OPEN DOWNLIGHT

**GENERAL DESCRIPTION:** The Gardco 300 Line is a series of compact, high-performance cylinder luminaires in a variety of styles and mounting configurations. The Open Downlight style uses high-intensity discharge, incandescent or fluorescent lamps. Housings are die cast aluminum with twin architectural reveals located near the luminaire apertures. A choice of two (2) light control styles and three (3) mounting options is available. Luminaires are finished with a fade- and abrasion-resistant polyester powdercoat offered in six (6) standard colors.



## ORDERING

example	PREFIX	MODEL	MOUNTING	TRIMS	LAMP	VOLTAGE	FINISH	OPTIONS
	300	O	C	R	50MH	120	BRP	F
300	O Open Downlight	C Ceiling	R Reflector	E17	PAR38	120	BRP	F
		P <sup>2</sup> Pendant	B Black Baffle	50MH <sup>5</sup>	P70MH <sup>4</sup>	208	BLP	PCB
		W Wall Mount	N/A with Fluorescent	70MH <sup>5</sup>	P100MH <sup>4</sup>	240	WP	WS
		A <sup>1</sup> Arm Mount to Pole		100MH <sup>5</sup>	P70HPS <sup>4</sup>	277	NP	
		2" x 5" arm		50HPS	Incandescent	347	BGP	
				70HPS	250PAR38 <sup>4</sup>	480	VP	
				100HPS	300R40 <sup>4</sup>	UNIV	OC	
				Fluorescent			SC	
				26QF <sup>6</sup>				
				32TRF <sup>6</sup>				
				42TRF <sup>6</sup>				

### LAMP/VOLTAGE CHART

Voltage	120	208	240	277	347	480
E17						
50MH <sup>5</sup>	•			•	•	
70MH <sup>5</sup>	•	•	•	•	•	
100MH <sup>5</sup>	•	•	•	•	•	•
50HPS	•			•	•	
70HPS	•	•	•	•	•	•
100HPS	•	•	•	•	•	
PAR38						
P70MH <sup>4</sup>	•	•	•	•	•	
P100MH <sup>4</sup>	•	•	•	•	•	•
P70HPS <sup>4</sup>	•	•	•	•	•	
Fluorescent (Type "R" Trim only)						
26QF <sup>6</sup>			UNIV		•	
32TRF <sup>6</sup>			UNIV		•	
42TRF <sup>6</sup>			UNIV		•	
Incandescent						
250PAR38 <sup>4</sup>	•					
300R40 <sup>4</sup>	•					

MH – Metal Halide • HPS – High Pressure Sodium • QF – Quad Fluorescent  
TRF – Triple Tube Fluorescent

### HP R KJ

DT R	Bronze Paint
DNR	Black Paint
Y R	White Paint
P R	Natural Aluminum Paint
DI R	Beige Paint
XR	Verde Green Paint
QE	Optional Color Paint
	Specify RAL designation.
	Ex. OC-RAL7024.
UE	Special Color Paint
	Must supply color chip.

### QR VQP U

H	Fusing
RED	Button Type Photocontrol
	Contact factory for availability.
Y U	Wall-Mounted Box for Surface Conduit

### Notes:

- For "A" mounting, standard arm length is 6". If a longer arm is desired, indicate arm length, ex. "A12" is for a 12" arm length. Arms available in 6" increments of length up to 48". Maximum arm length is 48". If not mounted to top of pole, an additional handhole on pole is required to permit installation. Provide information as to size and type of pole.
- For "P" mounting, standard pendant length is 18". For other lengths, indicate desired length in inches, ex. "P30" is for a 30" pendant. Pendants available in 6" increments of length from 6" up to 144". Maximum pendant length is 144". Stated length is the distance from the ceiling to the top of the luminaire and takes into account the mounting hardware. For other stem lengths, add desired length in inches after "P." ex. 300-D-P24-L-50HPS-120-BRP (for 24").
- Luminaires cannot be field-modified to change optics or lamp types.
- Not available with reflector (R) trim.
- Must use open fixture rated E-17 Metal Halide lamps.
- Fluorescent units feature an electronic fluorescent ballast that accepts 120V through 277V or 347V only. Starting temperature is 0°F.

# SPECIFICATIONS

**HOUSING:** Housings are die cast aluminum in a single-piece cylindrical form of corrosion-resistant alloy, 1/8" (.32cm) minimum wall thickness. Units are 7.5" (19cm) in diameter and 12" (30.5cm) in height, nominal measurements.

## MOUNTING

**CEILING (C):** Provides for direct ceiling mount as shown.

**PENDANT ASSEMBLY (P):** Swivel pendant assembly with locking set screws. Stated length is the distance from the ceiling to the top of the luminaire and takes into account the mounting hardware. Available pendant lengths are 6" (15.24cm) through 144" (365.76cm) in 6" increments. Standard pendant length is 18" (46cm). Maximum pendant length is 144". Swivel pendant can accommodate 35° sloped ceiling maximum.

**WALL BRACKET (W):** Cast aluminum canopy with integrated aluminum arm secured to housing with two (2) 5/16" (.8cm) bolts. Requires mounting to a structural member of the building.

**ARM MOUNT TO POLE (A):** Luminaire mounts to pole with an extruded aluminum 2" x 5" arm. Available arm lengths are 6" (15.24cm) through 48" (121.92cm) in 6" (15.24cm) increments. Standard arm length is 6". Maximum arm length is 48". If not mounted to top of pole, an additional handhole on pole is required to permit installation. Provide information as to size and type of pole.

## LIGHT CONTROL (TRIM)

**REFLECTOR (R):** Reflectors are composed of spun Alzak® components, electro-polished, anodized and sealed. Reflectors for compact fluorescent lamps feature a dual stage construction.

**BAFFLE (B):** Step black baffles are die cast aluminum and finished with black TGIC powdercoat.

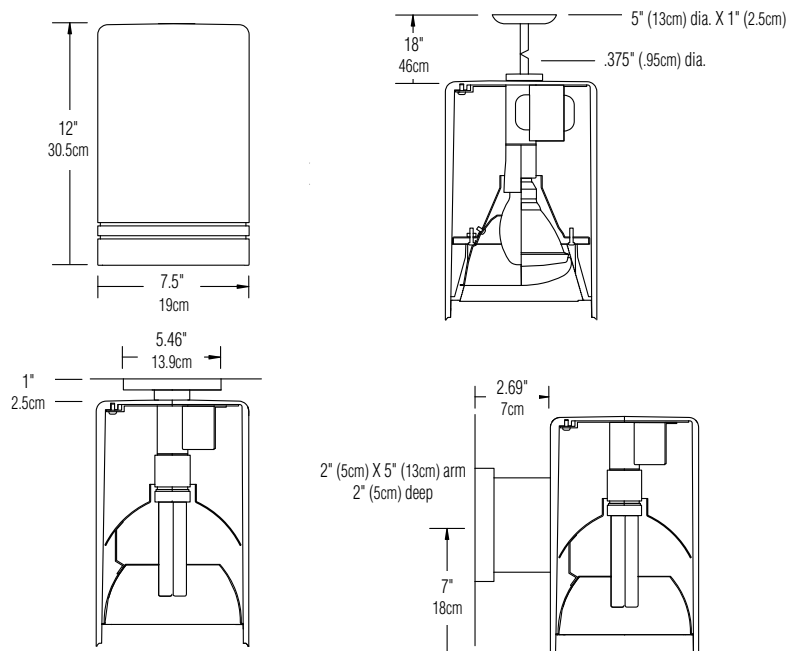
**ELECTRICAL:** Internal ballast will be provided based on the specified lamp configuration. Standard fluorescent ballasts are solid state.

**LAMPHOLDER:** Pulse-rated medium base lampholders are glazed porcelain with nickel-plated screw shell. Fluorescent lampholders are high-temperature thermoplastic (PBT) with brass alloy contacts.

**FINISH:** Each luminaire receives a fade- and abrasion-resistant, electrostatically applied, thermally cured, textured TGIC polyester powdercoat finish.

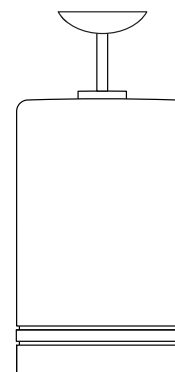
**LABELS:** All fixtures bear UL or CUL (where applicable) Wet Location labels.

# DIMENSIONS



# 300 LINE ENCLOSED DOWNLIGHT

**GENERAL DESCRIPTION:** The Gardco 300 Line is a series of compact, high-performance cylinder luminaires in a variety of styles and mounting configurations. The Enclosed Downlight style uses high-intensity discharge, incandescent or fluorescent lamps. Housings are die cast aluminum with twin architectural reveals located near the luminaire apertures. A choice of two (2) light control styles and three (3) mounting options is available. Luminaires are finished with a fade- and abrasion-resistant polyester powdercoat offered in six (6) standard colors.



## ORDERING

example	PREFIX	MODEL	MOUNTING	TRIMS	LAMP	VOLTAGE	FINISH	OPTIONS
	300	D	C	L	50MH	120	BRP	F
300	D Enclosed Downlight	C Ceiling	L Solite Lens	E17	PAR38	120	BRP	F
		P <sup>2</sup> Pendant	LL Solite Lens w/Louver	50MH	P70MH	208	BLP	PCB
		W Wall		70MH	P100MH	240	WP	WS
		A <sup>1</sup> Arm Mount to Pole 2' x 5" arm		100MH	P70HPS	277	NP	
				50HPS	R40	347	BGP	
				70HPS	R70MH	480	VP	
				100HPS	R100MH	UNIV	OC	
				Fluorescent	Incandescent		SC	
				26QF <sup>4</sup>	250PAR38			
				32TRF <sup>4</sup>	300R40			
				42TRF <sup>4</sup>				

### LAMP/VOLTAGE CHART

Voltage	120	208	240	277	347	480
E17						
50MH	•			•	•	
70MH	•	•	•	•	•	
100MH	•	•	•	•	•	•
50HPS	•			•	•	
70HPS	•	•	•	•	•	
100HPS	•	•	•	•		
PAR38						
P70MH	•	•	•	•	•	
P100MH	•	•	•	•	•	•
P70HPS	•	•	•	•	•	
Fluorescent						
26QF <sup>3</sup>			UNIV		•	
32TRF <sup>3</sup>			UNIV		•	
42TRF <sup>3</sup>			UNIV		•	
Incandescent						
250PAR38	•					
300R40	•					

MH – Metal Halide • HPS – High Pressure Sodium • QF – Quad Fluorescent  
TRF – Triple Tube Fluorescent

### FINISH

BRP	Bronze Paint
BLP	Black Paint
WP	White Paint
NP	Natural Aluminum Paint
BGP	Beige Paint
VP	Verde Green Paint
OC	Optional Color Paint. Specify RAL designation. Ex. OC-RAL7024.
SC	Special Color Paint Must supply color chip.

### OPTIONS

F	Fusing
PCB	Button Type Photocontrol Contact factory for availability.
WS	Wall-Mounted Box for Surface Conduit

### Notes:

- For "A" mounting, standard arm length is 6". If a longer arm is desired, indicate arm length, ex. "A12" is for a 12" arm length. Arms available in 6" increments of length up to 48". Maximum arm length is 48". If not mounted to top of pole, an additional handhole on pole is required to permit installation. Provide information as to size and type of pole.
- For "P" mounting, standard pendant length is 18". For other lengths, indicate desired length in inches, ex. "P30" is for a 30" pendant. Pendants available in 6" increments of length from 6" up to 144". Maximum pendant length is 144". Stated length is the distance from the ceiling to the top of the luminaire and takes into account the mounting hardware.  
For other stem lengths, add desired length in inches after "P." ex. 300-D-P24-L-50HPS-120-BRP (for 24").
- Luminaires cannot be field-modified to change optics or lamp types.
- Fluorescent units feature an electronic fluorescent ballast that accepts 120V through 277V or 347V only. Starting temperature is 0°F.

Prior to ordering, consult Submittal Data on [sitelighting.com](http://sitelighting.com) for most current information.

Gardco Lighting reserves the right to change materials or modify the design of its product without notification as part of the company's continuing product improvement program.



# SPECIFICATIONS

**HOUSING:** Housings are die cast aluminum in a single-piece cylindrical form of corrosion-resistant alloy, 1/8" (.32cm) minimum wall thickness. Units are 7.5" (19cm) in diameter and 12" (30.5cm) in height, nominal measurements.

## MOUNTING

**CEILING (C):** Provides for direct ceiling mount as shown.

**PENDANT ASSEMBLY (P):** Swivel pendant assembly with locking set screws. Stated length is the distance from the ceiling to the top of the luminaire and takes into account the mounting hardware. Available pendant lengths are 6" (15.24cm) through 144" (365.76cm) in 6" increments. Standard pendant length is 18" (46cm). Maximum pendant length is 144". Swivel pendant can accommodate 35° sloped ceiling maximum.

**WALL BRACKET (W):** Cast aluminum canopy with integrated aluminum arm secured to housing with two (2) 5/16" (.8cm) bolts. Requires mounting to a structural member of the building.

**ARM MOUNT TO POLE (A):** Luminaire mounts to pole with an extruded aluminum 2" x 5" arm. Available arm lengths are 6" (15.24cm) through 48" (121.92cm) in 6" (15.24cm) increments. Standard arm length is 6". Maximum arm length is 48". If not mounted to top of pole, an additional handhole on pole is required to permit installation. Provide information as to size and type of pole.

## LIGHT CONTROL (TRIM)

**LENS (L):** Lens units consist of a Solite® glass lens mounted to a die cast aluminum trim support assembly.

**LENS WITH LOUVER (LL):** Lens with louver units consists of a Solite® glass lens mounted to a die cast aluminum trim support assembly, including 1 5/8" (4.1cm) x 1 5/8" (4.1cm) square louvers with a nominal depth of 1" (2.5cm).

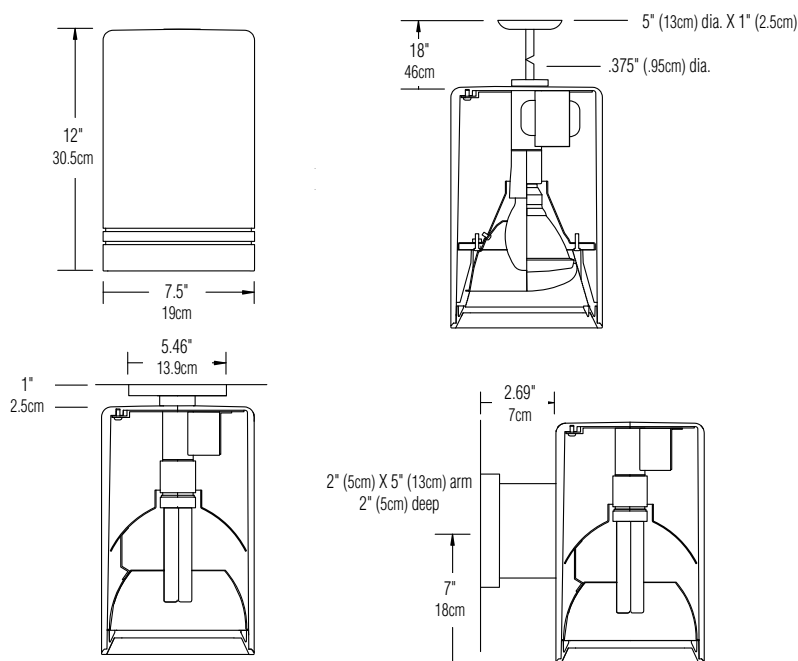
**ELECTRICAL:** Internal ballast will be provided based on the specified lamp configuration. Standard fluorescent ballasts are solid state.

**LAMPHOLDER:** Pulse-rated medium base lampholders are glazed porcelain with nickel-plated screw shell. Fluorescent lampholders are high-temperature thermoplastic (PBT) with brass alloy contacts.

**FINISH:** Each luminaire receives a fade- and abrasion-resistant, electrostatically applied, thermally cured, textured TGIC polyester powdercoat finish.

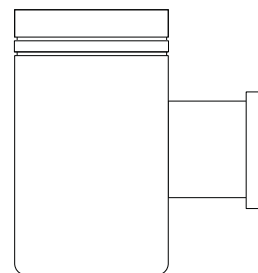
**LABELS:** All fixtures bear UL or CUL (where applicable) Wet Location labels.

# DIMENSIONS



# 300 LINE ENCLOSED UPLIGHT

**GENERAL DESCRIPTION:** The Gardco 300 Line is a series of compact, high-performance cylinder luminaires in a variety of styles and mounting configurations. The Enclosed Uplight style uses high-intensity discharge, or incandescent lamps. Housings are die cast aluminum with twin architectural reveals located near the luminaire apertures. Wall mounting with dual clear lens assembly is standard.



## ORDERING

	PREFIX	MODEL	MOUNTING	TRIMS	LAMP	VOLTAGE	FINISH	OPTIONS
example	300	U	W	CL	50HPS	120	BRP	F
	300	U Enclosed Uplight	W Wall A' Arm Mount to Pole 2" x 5" arm	CL Clear Lens	E17 50MH 70MH 100MH 50HPS 70HPS 100HPS	PAR38 P70MH P100MH P70HPS <u>Incandescent</u> 250PAR38 300R40	120 208 240 277 347 480	BRP BLP WP NP BGP VP OC SC
								F PCB WS

### LAMP/VOLTAGE CHART

Voltage	120	208	240	277	347	480
<b>E17</b>						
50MH	•			•	•	
70MH	•	•	•	•	•	
100MH	•	•	•	•	•	•
50HPS	•			•	•	
70HPS	•	•	•	•	•	
100HPS	•	•	•	•		
<b>PAR38</b>						
P70MH	•	•	•	•	•	
P100MH	•	•	•	•	•	•
P70HPS	•	•	•	•	•	
<b>Incandescent</b>						
250PAR38	•					
300R40	•					

MH – Metal Halide • HPS – High Pressure Sodium

### Notes:

- For "A" mounting, standard arm length is 6". If a longer arm is desired, indicate arm length, ex. "A12" is for a 12" arm length. Arms available in 6" increments of length up to 48". Maximum arm length is 48". If not mounted to top of pole, an additional handhole on pole is required to permit installation. Provide information as to size and type of pole.
- Luminaires cannot be field-modified to change optics or lamp types.

### FINISH

BRP	Bronze Paint
BLP	Black Paint
WP	White Paint
NP	Natural Aluminum Paint
BGP	Beige Paint
VP	Verde Green Paint
OC	Optional Color Paint Specify RAL designation. Ex. OC-RAL7024.
SC	Special Color Paint Must supply color chip.

### OPTIONS

F	Fusing
PCB	Button Type Photocontrol
WS	Wall-Mounted Box for Surface Conduit

Prior to ordering, consult Submittal Data on [sitelighting.com](http://sitelighting.com) for most current information.

Gardco Lighting reserves the right to change materials or modify the design of its product without notification as part of the company's continuing product improvement program.

# SPECIFICATIONS

**HOUSING:** Housings are die cast aluminum in a single-piece cylindrical form of corrosion-resistant alloy, 1/8" (.32cm) minimum wall thickness. Units are 7.5" (19cm) in diameter and 12" (30.5cm) in height, nominal measurements.

## MOUNTING

**WALL BRACKET (W):** Cast aluminum canopy with integrated aluminum arm secured to housing with two (2) 5/16" (.8cm) bolts. Requires mounting to a structural member of the building.

**ARM MOUNT TO POLE (A):** Luminaire mounts to pole with an extruded aluminum 2" x 5" arm. Available arm lengths are 6" (15.24cm) through 48" (121.92cm) in 6" (15.24cm) increments. Standard arm length is 6". Maximum arm length is 48". If not mounted to top of pole, an additional handhole on pole is required to permit installation. Provide information as to size and type of pole.

## LIGHT CONTROL (TRIM)

**CLEAR DUAL LENS ASSEMBLY (CL):** Clear lens trims include a dual lens assembly mounted within a die cast aluminum frame.

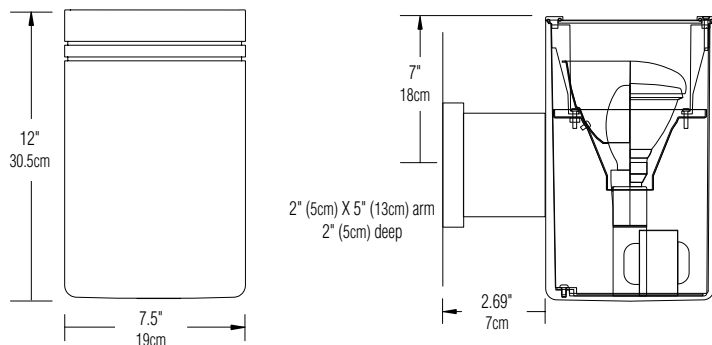
**ELECTRICAL:** Internal ballast will be provided based on the specified lamp configuration.

**LAMPHOLDER:** Pulse-rated medium base lampholders are glazed porcelain with nickel-plated screw shell.

**FINISH:** Each luminaire receives a fade- and abrasion-resistant, electrostatically applied, thermally cured, textured TGIC polyester powdercoat finish.

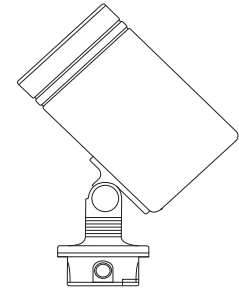
**LABELS:** All fixtures bear UL or CUL (where applicable) Wet Location labels.

# DIMENSIONS



# 300 LINE ENCLOSED UNIVERSAL

**GENERAL DESCRIPTION:** The Gardco 300 Line is a series of compact, high-performance cylinder luminaires in a variety of styles and mounting configurations. The Enclosed Universal style uses high-intensity discharge, or incandescent lamps and is suitable for areas with direct rainfall. Housings are die cast aluminum with twin architectural reveals located near the luminaire apertures. A clear lens assembly is offered with a knuckle mounted configuration. Luminaires are finished with a fade- and abrasion-resistant polyester powdercoat offered in six (6) standard colors.



## ORDERING

example	PREFIX	MODEL	MOUNTING	TRIMS	LAMP	VOLTAGE	FINISH	OPTIONS
	300	E	K	CL	50HPS	120	BRP	F
	300	E Enclosed Universal	K Knuckle	CL Clear Lens	E17 50MH 70MH 100MH 50HPS 70HPS 100HPS	PAR38 P70MH P100MH P70HPS <u>Incandescent</u> 250PAR38 300R40	120 208 240 277 347 480	BRP BLP WP NP BGP VP OC SC
								F Fusing

### LAMP/VOLTAGE CHART

Voltage	120	208	240	277	347	480
E17						
50MH	•			•	•	
70MH	•	•	•	•	•	
100MH	•	•	•	•	•	•
50HPS	•			•	•	
70HPS	•	•	•	•	•	
100HPS	•	•	•	•		
PAR38						
P70MH	•	•	•	•	•	
P100MH	•	•	•	•	•	•
P70HPS	•	•	•	•	•	
<u>Incandescent</u>						
250PAR38	•					
300R40	•					

MH – Metal Halide • HPS – High Pressure Sodium

### Notes:

- Luminaires cannot be field-modified to change optics or lamp types.

### FINISH

BRP	Bronze Paint
BLP	Black Paint
NP	Natural Aluminum Paint
WP	White Paint
BGP	Beige Paint
VP	Verde Green Paint
OC	Optional Color Paint <i>Specify RAL designation. Ex. OC-RAL7024.</i>
SC	Special Color Paint <i>Must supply color chip.</i>



# SPECIFICATIONS

**HOUSING:** Housings are die cast aluminum in a single-piece cylindrical form of corrosion-resistant alloy, 1/8" (.32cm) minimum wall thickness. Units are 7.5" (19cm) in diameter and 12" (30.5cm) in height, nominal measurements.

## MOUNTING

**KNUCKLE:** Three (3) piece cast assembly permits 360° rotation of the unit around the axis normal to the mounting plane. An integral cast knuckle with aiming teeth, graduated for 5° increments, permits 180° rotation around the access parallel to the mounting plane. The unit is firmly secured in position by a center lock screw within the axis of the knuckle.

**CAST J-BOX:** Cast box is provided for knuckle mounting, which is suitable for surface mounting on walls, ceilings or floors. The J-box may also be recessed and used in concrete pour applications.

## LIGHT CONTROL (TRIM)

**CLEAR DUAL LENS (CL):** Clear lens trims include a dual lens assembly mounted within a die cast aluminum frame.

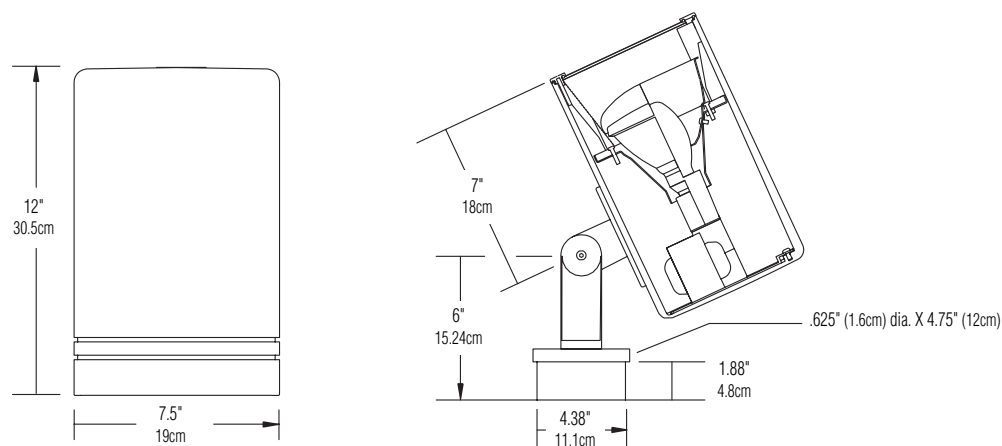
**ELECTRICAL:** Internal ballast will be provided based on the specified lenses configuration.

**LAMPHOLDER:** Pulse-rated medium base lampholders are glazed porcelain with nickel-plated screw shell.

**FINISH:** Each luminaire receives a fade- and abrasion-resistant, electrostatically applied, thermally cured, textured TGIC polyester powdercoat finish.

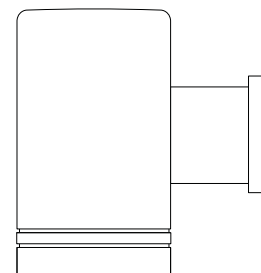
**LABELS:** All fixtures bear UL or CUL (where applicable) Wet Location labels.

# DIMENSIONS



# 300 LINE FORWARD THROW

**GENERAL DESCRIPTION:** The Gardco 300 Line is a series of compact, high-performance cylinder luminaires in a variety of styles and mounting configurations. Forward Throw units are suitable for direct rainfall and are rain-tight, dust-tight and corrosion-resistant. Housings are die cast aluminum with twin architectural reveals located near the luminaire apertures. A choice of two (2) models, two (2) light control styles and three (3) mounting options is available. Luminaires are finished with a fade- and abrasion-resistant polyester powdercoat offered in six (6) standard colors.



## ORDERING

example	PREFIX	MODEL	MOUNTING	TRIMS	LAMP	VOLTAGE	FINISH	OPTIONS
	300	U	W	FT/C	T70MH	120	BRP	F
	300	U Enclosed Upright	W Wall	FT/C Lens, Clear dual assembly with forward throw reflector	T6 Lamp T70MH Supplied with the Lamp	120 277	BRP BLP WP NP BGP VP OC SC	F PCB WS
		D Enclosed Downlight	C Ceiling	FT/D Lens, Clear flat with forward throw reflector				
			P <sup>2</sup> Pendant					
			W Wall					
			A <sup>1</sup> Arm Mount to Pole 2" x 5" arm					

### LAMP/VOLTAGE CHART

Voltage	120	208	240	277	347	480
T6 LAMP						
T70MH	•			•		

Supplied with the lamp. MH – Metal Halide

### FINISH

BRP	Bronze Paint
BLP	Black Paint
WP	White Paint
NP	Natural Aluminum Paint
BGP	Beige Paint
VP	Verde Green Paint
OC	Optional Color Paint Specify RAL designation. Ex. OC-RAL7024.
SC	Special Color Paint Must supply color chip.

### OPTIONS

F	Fusing
PCB	Button Type Photocontrol
WS	Wall-Mounted Box for Surface Conduit

### Notes:

- For "A" mounting, standard arm length is 6". If a longer arm is desired, indicate arm length, ex. "A12" is for a 12" arm length. Arms available in 6" increments of length up to 48". Maximum arm length is 48". If not mounted to top of pole, an additional handhole on pole is required to permit installation. Provide information as to size and type of pole.
- For "P" mounting, standard pendant length is 18". For other lengths, indicate desired length in inches, ex. "P30" is for a 30" pendant. Pendants available in 6" increments of length from 6" up to 144". Stated length is the distance from the ceiling to the top of the luminaire and takes into account the mounting hardware. For other stem lengths, add desired length in inches after "P." ex. 300-D-P24-L-50HPS-120-BRP (for 24").
- Luminaires cannot be field-modified to change optics or lamp types.

# SPECIFICATIONS

**HOUSING:** Housings are die cast aluminum in a single-piece cylindrical form of corrosion-resistant alloy, 1/8" (.32cm) minimum wall thickness. Units are 7.5" (19cm) in diameter and 12" (30.5cm) in height, nominal measurements.

## MOUNTING

**CEILING (C):** Provides for direct ceiling mount as shown.

**PENDANT ASSEMBLY (P):** Swivel pendant assembly with locking set screws. Stated length is the distance from the ceiling to the top of the luminaire and takes into account the mounting hardware. Available pendant lengths are 6" (15.24cm) through 144" (365.76cm) in 6" increments. Standard pendant length is 18" (46cm). Maximum pendant length is 144". Swivel pendant can accommodate 35° sloped ceiling maximum.

**WALL BRACKET (W):** Cast aluminum canopy with integrated aluminum arm secured to housing with two (2) 5/16" (.8cm) bolts. Requires mounting to a structural member of the building.

**ARM MOUNT TO POLE (A):** Luminaire mounts to pole with an extruded aluminum 2" x 5" arm. Available arm lengths are 6" (15.24cm) through 48" (121.92cm) in 6" (15.24cm) increments. Standard arm length is 6". Maximum arm length is 48". If not mounted to top of pole, an additional handhole on pole is required to permit installation. Provide information as to size and type of pole.

## LIGHT CONTROL (TRIM)

**FORWARD THROW REFLECTOR (FT/C AND FT/D):** Reflectors are composed of specular extruded and faceted Alzak® components, electro-polished, anodized and sealed. FT/D downlights feature a clear flat glass lens mounted within a die cast aluminum frame. FT/C uplight units feature a clear glass lens mounted within a die cast aluminum frame. Reflector provides asymmetric forward throw distribution of light.

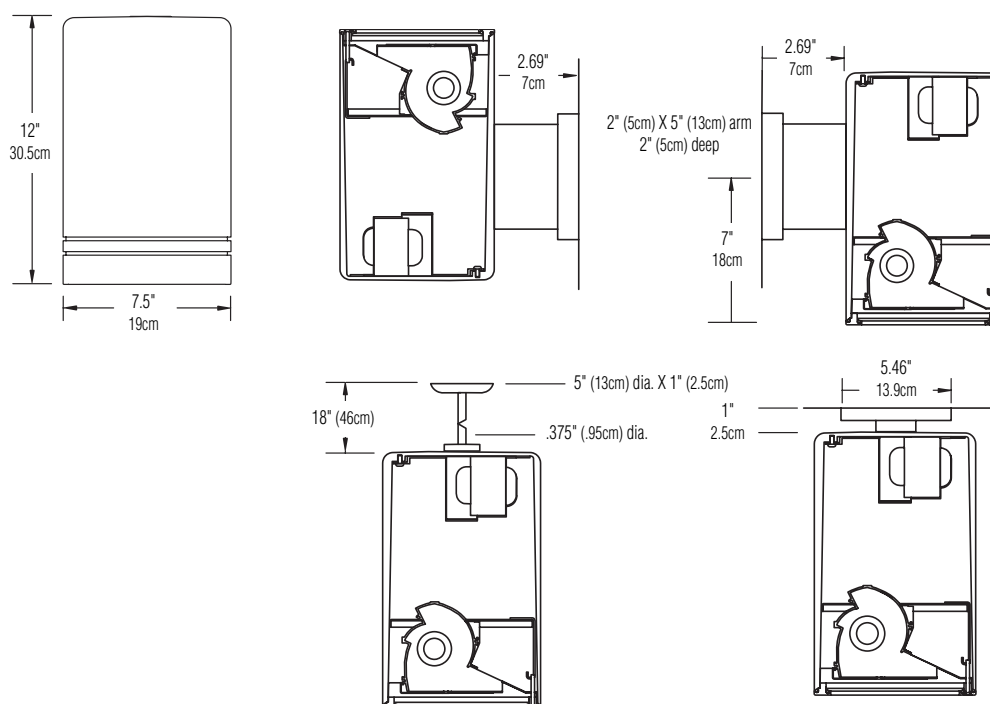
**ELECTRICAL:** An internal core and coil ballast designed for the 70w Metal Halide M139 lamp is provided.

**LAMPHOLDER:** Pulse-rated G12 lampholder provided.

**FINISH:** Each luminaire receives a fade- and abrasion-resistant, electrostatically applied, thermally cured, textured TGIC polyester powdercoat finish.

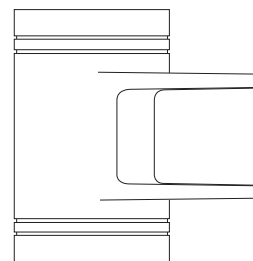
**LABELS:** All fixtures bear UL or CUL (where applicable) Wet Location labels.

# DIMENSIONS



# 301 LINE UP/DOWN

**GENERAL DESCRIPTION:** The Gardco 301 Line is a series of high-performance up/downwall mounted cylinders. Each luminaire utilizes a single high-intensity discharge lamp and provides illumination above and below. Housings are die cast aluminum with twin architectural reveals at both the lower and upper apertures. Six (6) downlight and two (2) uplight optical systems are available. The unique optional "Spike" downlight and/or uplight distribution creates a dramatic narrow stripe of illumination on the wall or column. Luminaires are finished with a fade- and abrasion-resistant polyester powdercoat offered in six (6) standard colors.



## ORDERING

example	PREFIX	MODEL	MOUNTING	TRIMS	WATTAGE	VOLTAGE	FINISH	OPTIONS
	301	E	W	L	50HPS	277	BRP	F
	301	E Fully Enclosed O Open Downlight	W Wall	Fully Enclosed "E" Units	Fully Enclosed "E" Units	120	BRP	F
				L	N/A with FT Trims	208	BLP	WS
				LL	50MH <sup>1</sup>	240	WP	RCA
				SD	70MH	277	NP	
				SU	100MH	347	BGP	
				SB	150HPS		VP	
				FT	50HPS		OC	
					70HPS		SC	
				Open Downlight "O" Units Only	100HPS			
				R	150HPS <sup>2</sup>			
				B	FT Trims			
					T70MH <sup>3</sup>			
					T150MH <sup>3</sup>			
				Open Downlight "O" Units				
					50MH <sup>1</sup>			
					70MH			
					100MH			
					150MH			
					50HPS			
					70HPS			
					100HPS	MH Metal Halide		
					150HPS	HPS High Pressure Sodium		

### Notes:

1. N/A with 347V
2. Contact factory for availability of 150HPS w/SD, SU or SB Trims
3. FT Trims utilize T6 Lamps. Lamps are supplied with the luminaire.

### VTUOU<

#### Fully Enclosed "E" Units Only

- N Obscuring lenses on uplight and downlight. Soft symmetrical distributions.
- NN Egg crate louvers on downlight. Obscuring lenses on uplight and downlight.
- UF Spike downlight distribution. Obscuring lens on uplight.
- UW Spike uplight distribution. Obscuring lens on downlight.
- UD Spike uplight and downlight distributions.
- HV Forward throw downlight distributions. Soft uplight glow.
- FT Trims utilize T6 lamps. Lamps are supplied with the luminaire.

#### Open Downlight "O" Units Only

- T Reflector produces medium downlight distribution with sharp cutoff to lamp and images. Obscuring lens on uplight.
- D Black baffled downlight. Obscuring lens on uplight.

### FINISH

- BRP Bronze Paint
- BLP Black Paint
- WP White Paint
- NP Natural Aluminum Paint
- BGP Beige Paint
- VP Verde Green Paint
- OC Optional Color Paint  
Specify RAL designation.  
Ex. OC-RAL7024.
- SC Special Color Paint  
Must supply color chip.

### OPTIONS

- F Fusing
- WS Wall-Mounted J-Box for Surface Conduit
- RCA Round Column Mounting Adapter

Prior to ordering, consult Submittal Data on [sitelighting.com](http://sitelighting.com) for most current information.

Gardco Lighting reserves the right to change materials or modify the design of its product without notification as part of the company's continuing product improvement program.

# SPECIFICATIONS

## HOUSING:

Housings are single-piece die cast aluminum cylindrical forms with integral side wall mounting canopy / ballast chambers. Provided mounting brackets are galvanized steel.

## OPTICAL SYSTEMS

**LENS (L):** The uplight and downlight components both utilize twin (four total per luminaire) spun specular Alzak® reflectors which provide the symmetrical distributions. The uplight-obscuring lens is flush-mounted and the downlight-obscuring lens is regressed. The lenses soften the distribution and conceal the optical system and internal hardware.

**LOUVERS (LL):** Die cast aluminum egg crate louvers are installed over the downlight-obscuring lens. All other optical elements are as described in the Lens (L) option.

**SPIKE DOWNLIGHT (SD):** Inner and outer spun specular Alzak® reflectors provide a very narrow spot beam at nadir. Uplight optical system is as described in the Lens (L) option.

**SPIKE UPLIGHT (SU):** Inner and outer spun specular Alzak® reflectors provide a very narrow spot at zenith. Downlight optical system is as described in the Lens (L) option.

**SPIKE BOTH UPLIGHT AND DOWNLIGHT (SB):** Two sets of inner and outer spun specular Alzak® reflectors provide very narrow spot beams at nadir and zenith.

**REFLECTOR (R):** Spun specular Alzak® reflector produces a medium symmetrical downlight distribution with sharp cutoff to lamp and lamp images. Uplight optical system is as described in the Lens (L) option.

**BAFFLE (B):** Upper spun specular Alzak® reflector and lower black baffle produce a medium symmetrical downlight distribution with exceptional control of high angle brightness. Uplight optical system is as described in the Lens (L) option.

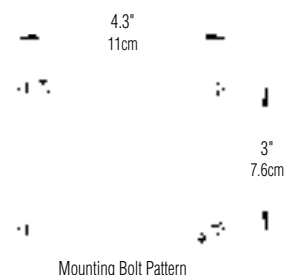
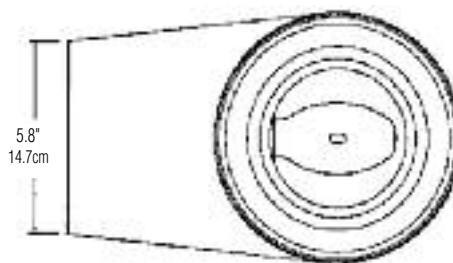
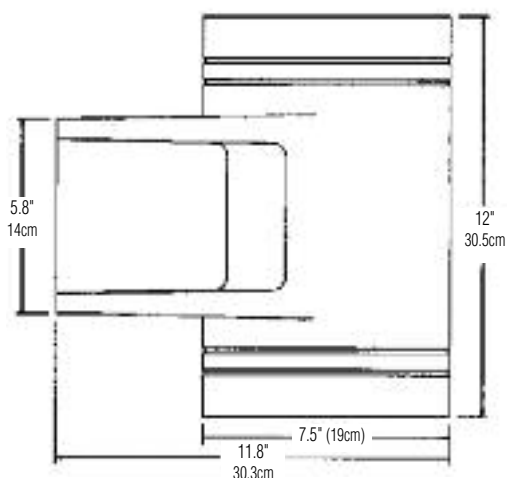
**FORWARD THROW (FT):** Faceted specular Alzak® reflector system produces an asymmetric forward projecting distribution. Secondary optical system with obscuring lens produces a soft uplight glow.

**ELECTRICAL:** All luminaires utilize magnetic HID ballasts that are high power factor and designed for reliable lamp starting to -20°F/-28.8°C. Pulse-rated sockets are glazed porcelain with nickel-plated screw shells.

**FINISH:** Each luminaire receives a fade- and abrasion-resistant electrostatically applied, thermally cured, (TGIC) polyester powdercoat finish. Standard finishes are textured.

**LABELS:** All fixtures bear UL or CUL (where applicable) Wet Location labels.

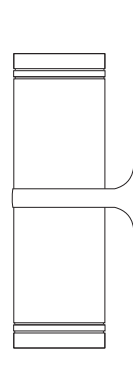
# DIMENSIONS





# 302 LINE UP/DOWN

**GENERAL DESCRIPTION:** The Gardco 302 Line is a series of die cast cylinders for up and down lighting in a single, integrated form. The 302 incorporates two Gardco 300 Line cylinders using a cast bracket to create a single assembly. The 302 offers choices with optics and sources to allow for a variety of aesthetic elements on building surfaces.



## ORDERING

example	PREFIX	MODEL	MOUNTING	LAMP UP <sup>1</sup>		LAMP DOWN		TRIM DOWN	VOLTAGE	FINISH	OPTIONS
	302	O	W	50HPS		50HPS		R	120	BRP	F
	302	O Open Downlight	W Wall	50MH T70MH <sup>2</sup>	70MH 100MH	50MH 100MH	70MH	R B	Refer to wattage/Voltage chart below.	BRP	F
				50HPS 100HPS	70HPS	50HPS 100HPS	70HPS	R B		BLP	PCB
				P70MH	P100MH	P70MH <sup>4</sup>	P100MH <sup>4</sup>	B		WP	
				P70HPS		P70HPS		B		NP	
				P/R INC		P/R INC		B		BGP	
				26QF <sup>5</sup>	32TRF <sup>5</sup>	42TRF <sup>5</sup>		B		VP	
								B		OC	
				26QF <sup>5</sup>	32TRF <sup>5</sup>	42TRF <sup>5</sup>		R		SC	
				50MH T70MH <sup>2</sup>	70MH 100MH	50MH 100MH	70MH	L Obscuring Flat Solite <sup>®</sup> Lens			
				50HPS 100HPS	70HPS	50HPS 100HPS	70HPS				
				R70MH	R100MH	R70MH	R100MH				
				R70HPS		R70HPS					
				P/R INC		P/R INC		LL Obscuring Flat Solite <sup>®</sup> Lens with Louver			
				26QF <sup>5</sup>	32TRF <sup>5</sup>	42TRF <sup>5</sup>					
				50MH	70MH	T70MH <sup>2</sup>					
				T70MH <sup>2</sup>	100MH			FT/D Flat Clear Lens with Forward Throw Reflector			

### OPTIONS

F Fusing  
PCB Button Type Photocontrol

### FINISH

BRP Bronze Paint  
BLP Black Paint  
WP White Paint  
NP Natural Aluminum Paint  
BGP Beige Paint  
VP Verde Green Paint  
OC Optional Color Paint  
Specify RAL designation.  
Ex. OC-RAL7024.  
SC Special Color Paint  
Must supply color chip.

### LAMPS:

R PAR38 Reflector Lamp  
P/R INC 100W max PAR38 or  
R40 Incandescent Lamp  
F QF - Quad Tube; TRF - Triple  
Tube, 4-pin  
T70MH Compact Fluorescent Lamp  
Tubular T-6 70MH Lamp  
Supplied with luminaire.  
All others E-17 Clear Lamp

### Notes:

- Lamp Up Trim is always a Diffusing Lens.
- T70MH Lamp utilizes an FT Forward Throw reflector.  
Lamp is supplied.
- Consult factory for other voltages.
- Suitable for PAR38 only.
- 26QF, 32TRF and 42TRF types feature an  
electronic fluorescent ballast that accepts 120V  
through 277V, 50hz or 60hz input.  
Starting temperature is 0°F. Specify UNIV.

### ENCLOSED DOWNLIGHT LAMP/VOLTAGE CHART

Voltage	120	208	240	277	347	480
E17						
50MH	•			•	•	
70MH	•	•	•	•	•	
100MH	•	•	•	•	•	•
50HPS	•			•	•	
70HPS	•	•	•	•	•	
100HPS	•	•	•	•		
PAR38						
P70MH	•	•	•	•	•	
P100MH	•	•	•	•	•	•
P70HPS	•	•	•	•	•	
Fluorescent						
26QF <sup>3</sup>			UNIV		•	
32TRF <sup>3</sup>			UNIV		•	
42TRF <sup>3</sup>			UNIV		•	
Incandescent						
250PAR38	•					
300R40	•					

### Q R G P F Q Y P N L J V INCOR X Q N V C I G E J C T V

Voltage	120	208	240	277	347	480
E17						
50MH <sup>4</sup>	•			•	•	
70MH <sup>4</sup>	•	•	•	•	•	
100MH <sup>4</sup>	•	•	•	•	•	•
50HPS	•			•	•	
70HPS	•	•	•	•	•	•
100HPS	•	•	•	•		
PAR38						
P70MH <sup>3</sup>	•	•	•	•	•	
P100MH <sup>3</sup>	•	•	•	•	•	•
P70HPS <sup>3</sup>	•	•	•	•	•	
Fluorescent (Type "R" Trim only)						
26QF <sup>5</sup>			UNIV		•	
32TRF <sup>5</sup>			UNIV		•	
42TRF <sup>5</sup>			UNIV		•	
Incandescent						
250PAR38 <sup>3</sup>	•					
300R40 <sup>3</sup>	•					

MH – Metal Halide • HPS – High Pressure Sodium • QF – Quad Fluorescent  
TRF – Triple Tube Fluorescent

Prior to ordering, consult Submittal Data on [sitelighting.com](http://sitelighting.com) for most current information.

Gardco Lighting reserves the right to change materials or modify the design of its product without notification as part of the company's continuing product improvement program.

# SPECIFICATIONS

**CLEAR LENS (CL):** Clear lens trims include a clear tempered glass lens mounted to a die cast aluminum frame. Supplied standard on all models ("Trim Up").

**HOUSINGS:** Housings are cast in a single-piece cylindrical form of corrosion-resistant alloy, 1/8" (.32cm) wall thickness. Units measure 7.5" (19cm) in outside diameter and 12" (30.5cm) in height. Housings are secured to the wall and luminaire assembly using a cast mounting canopy/bracket. The canopy includes a hanger bracket and a mounting bracket (secured over splice box).

## LIGHT CONTROL

**REFLECTOR (R):** Reflectors are composed of spun Alzak® components, electro-polished, anodized and sealed. Reflectors for compact fluorescent lamps feature a dual stage construction.

**BAFFLE (B):** Step black baffles are die cast aluminum and finished with black TGIC powdercoat.

**LENS (L):** Lens units consist of a Solite® obscuring glass lens mounted to a die cast aluminum trim support assembly.

**LENS WITH LOUVER (LL):** Lens with louver units consist of a Solite® obscuring glass lens mounted to a die cast aluminum trim support assembly, including 1.625" (4cm) x 1.625" (4cm) square louvers with a nominal depth of 1" (2.5cm).

**FORWARD THROW REFLECTOR (FT/C AND FT/D):** Reflectors are composed of specular extruded and faceted Alzak® components, electro-polished, anodized and sealed. FT/D downlights feature a clear flat glass lens mounted within a die cast aluminum frame. FT/C uplight units feature a clear molded glass lens mounted within a die cast aluminum frame. Reflector provides asymmetric forward throw distribution of light.

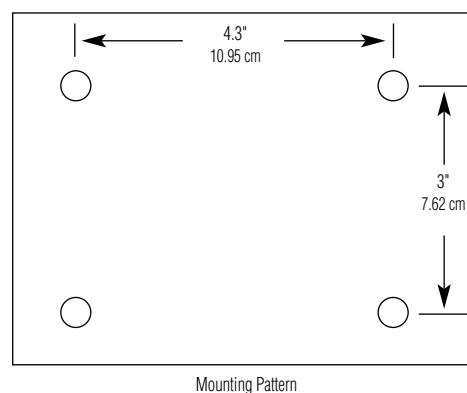
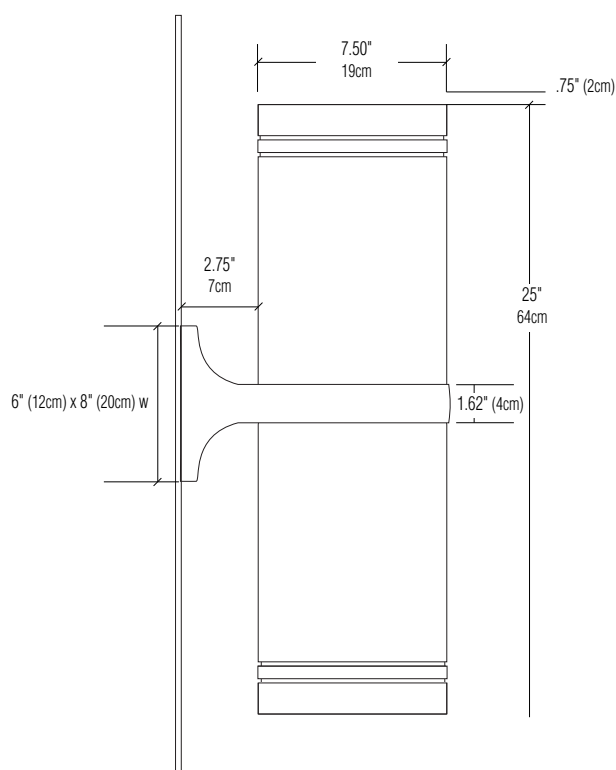
**ELECTRICAL:** Internal ballast will be provided based on the specified lamp configuration.

**LAMPHOLDER:** Pulse-rated medium base lampholders are glazed porcelain with a nickel-plated screw shell. Fluorescent sockets are high-temperature plastic (PBT) with brass alloy contacts.

**FINISH:** Each standard luminaire receives a fade- and abrasion-resistant, electrostatically applied, thermally cured, textured TGIC polyester powdercoat finish. Consult factory for special colors. The cast bracket is painted to match the housings.

**LABELS:** All fixtures bear UL or CUL (where applicable) Wet Location labels.

# DIMENSIONS



Fascia Plates



140 Line Super Sconce



100 Line Sconces



Step & Aisle Lights



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