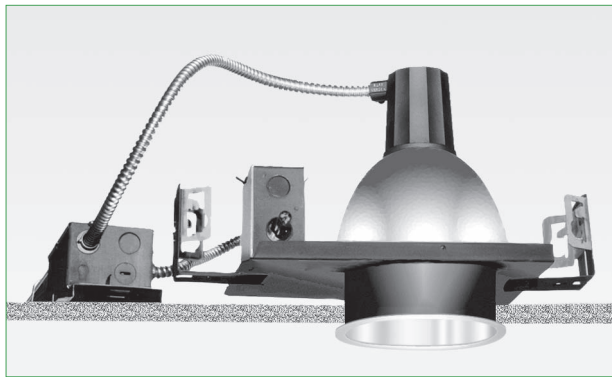
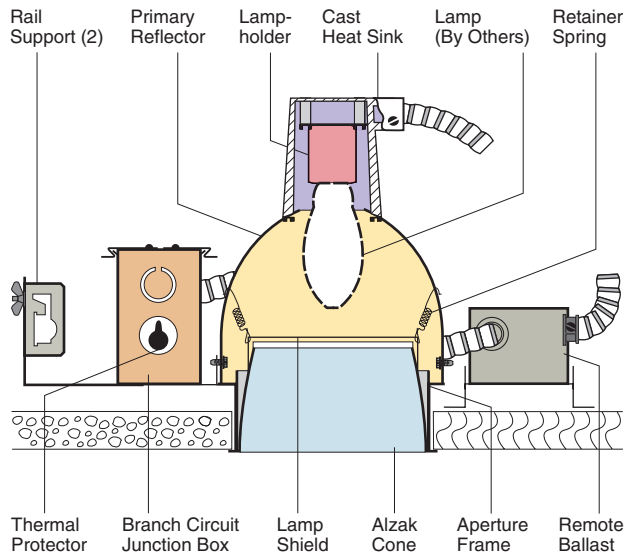


R7340

Downlight
50-70W Metal Halide
5 7/8" Conoid Aperture



Optics and Applications

An ellipsoidal primary reflector gathers and redistributes the output of efficient ED-17 or B-17 lamps through a parabolic shielding cone. The pattern is uniform with high efficiency and medium wide distribution. Use anywhere for general, transient or task lighting.

Design Features

The cast heat sink dissipates lamp heat for cool operation and assures rated lamp life. The tempered glass lamp shield is mounted above the cone and meets code requirements. The aperture frame features a 2" throat for installation in thicker ceilings. Bottom service only.

Finish

A specular clear Alzak cone is standard. Optional colors and Softglow® finishes are available. Structural parts are painted optical matte black to suppress stray light leaks.

Ballasts

Standard ballast is encased and potted magnetic. Type HX, HPF, 120V or 277V taps. Shipped for 277V, field conversion to 120V. Thermally protected with auto reset. Temperature -20°F to 105°F. Comes mounted on a plate with 4" of flex. End of life protection not available, replace failed lamps immediately. Service through the aperture requires 15" plenum depth for the ballast to swing up for removal. Optional electronic metal halide ballasts provide more constant lumen and wattage output. They feature thermal protection with auto reset, quiet operation and automatic shutdown at end of life. Service through the aperture.

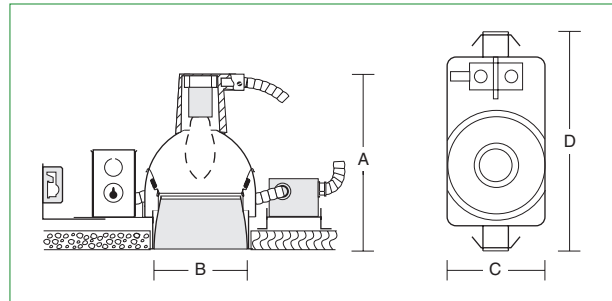
General

Fixtures are pre-wired and thermally protected, UL and C-UL listed for eight wire 75°C branch circuit wiring. Union made IBEW. Luminaire Efficiency Rating (LER) data is in the photometric directory located in Section Z.

Accessories

- F Ballast fuse.
 - R2 26" support rails.
 - R5 52" support rails.
 - B Specular black cone.
 - G Specular gold cone.
 - H Specular mocha cone.
 - P Specular graphite cone.
 - S Softglow® finishes: add S before color letters. e.g. SW for Softglow® wheat cone, SC for Softglow® clear cone.
 - WT White trim flange.
 - WHT White complete trim.
 - TLI Emergency 60W lamp.
 - T Specular titanium cone.
 - W Specular wheat cone.
 - Y Specular pewter cone.
 - Z Specular bronze cone.
 - OP Open construction, no lamp shield.
 - EBH Electronic ballast, specify watts and volts.
 - V347 347 volt ballast, contact factory.
 - EC Emergency circuit with mini-can socket and leads.*
 - AO Magnetic ballast restrrike Auto-On system.*
 - AOE1 Electronic ballast Auto-On restrrike system 120V.*
 - AOE2 Electronic ballast Auto-On restrrike system 277V.*
- *Use open rated 60W max. auxiliary incandescent lamp.

Dimensions and Lamps



Number	A Depth	B Aperture	C Width	D Length	Lamps
R7340*	11" 279mm	5 7/8" 149mm	7 1/2" 190mm	16 3/4" 425mm	50-70W ED-17 or B-17 MH/C

*To specify add watts and volts for proper ballast, e.g. R7340-50277.

Matching Units

- Shallow depth downlights Pages R6, C9, P1, P52
- Sloped ceiling downlights Pages R7, C22, C23, K6
- Directionals Pages R7, C22, C23, K6
- Wall washers Pages R32, E4, E5, E6, E8, P31, P61, P62, P63



Kurt Versen Company Point Source Lighting
 Westwood, New Jersey 07675

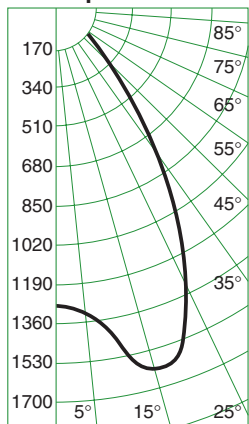
R5 R7340

Performance Datachart

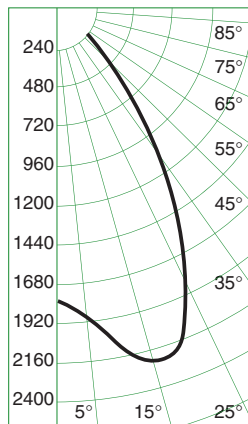
Single Unit Initial Footcandles, 30" Work Plane						Ceiling to Floor				Multiple Units Initial Footcandles, 30" Work Plane			
R7340 50W ED-17 MH/C Read Top Data						Ceiling 80% Walls 50% Floor 20%							
R7340 70W ED-17 MH/C Read Bottom Data						Spacing is Maximum Over Work Plane							
Nadir	10°		20°		30°								
FC	FC	Diam	FC	Diam	FC	Diam	Spacing	RCR 1	RCR 3	RCR 8			
42	47	2'	43	4'	23	6'	8'	7'	48	41	29		
60	67	2'	60	4'	32	6'		7'	68	58	41		
23	26	3'	23	5'	12	9'	10'	9'	26	22	16		
32	36	3'	32	5'	17	9'		9'	37	31	22		
14	16	3'	14	7'	8	11'	12'	11'	16	14	10		
20	22	3'	20	7'	11	11'		11'	23	20	14		
10	11	4'	10	8'	5	13'	14'	14'	11	9	7		
14	15	4'	14	8'	7	13'		14'	16	13	9		
5	6	5'	5	11'	3	18'	18'	19'	6	5	4		
8	8	5'	8	11'	4	18'		19'	9	7	5		

See notes 4 and 5.

Candelpower Distribution



R7340 50W ED-17 MH/C
Eff. 56% S/M 1.19



R7340 70W ED-17 MH/C
Eff. 57% S/M 1.19

Candelas

	50W	70W
o	3400*	4800*
0	1279	1802
5	1336	1881
10	1504	2119
15	1660	2338
20	1562	2200
25	1314	1850
30	1062	1496
35	774	1090
40	496	698
45	257	362
50	133	187
55	36	50
60	1	2
65	0	0
70	0	0
75	0	0
80	0	0
85	0	0
90	0	0

o Vertical Angles
* Initial Lamp Lumens

Coefficients of Utilization

Ceiling	80%				70%		50%		30%		0
Wall %	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal Cavity Method - Floor Reflectance 20%										
1	.63	.62	.60	.59	.61	.58	.58	.56	.56	.55	.52
2	.60	.57	.55	.53	.56	.52	.54	.51	.53	.50	.48
3	.57	.53	.50	.47	.52	.47	.51	.46	.49	.46	.44
4	.53	.49	.46	.43	.48	.43	.47	.42	.46	.42	.40
5	.50	.45	.42	.39	.45	.39	.44	.39	.43	.38	.37
6	.48	.42	.39	.36	.42	.36	.41	.36	.40	.35	.34
7	.45	.39	.36	.33	.39	.33	.38	.33	.38	.33	.32
8	.43	.37	.33	.31	.36	.31	.36	.30	.35	.30	.29
9	.40	.34	.31	.28	.34	.28	.34	.28	.33	.28	.27
10	.38	.32	.29	.26	.32	.26	.32	.26	.31	.26	.25

R7340 50W ED-17 MH/C
R7340 70W ED-17 MH/C

Brightness

Number	Lamps	85°	75°	65°	55°	45°
R7340	50W ED-17 MH/C	5	24	38	157	14894
	70W ED-17 MH/C	8	34	54	229	22090

Data in footlamberts. Photometer readings, Maximum Brightness Method. See note 6.

Notes

- Data from coated lamps and a clear specular cone.
- Specular cone multipliers: Gold x .97, Wheat x .96, Mocha x .93, Pewter x .92, Graphite x .90, Titanium x .90, Bronze x .85, Black x .70.
- Softglow® cone multipliers: Clear x .96, Gold x .91, Wheat x .87, Mocha x .75, Graphite x .73, Titanium x .73, Pewter x .73, Bronze x .68, Black x .62.
- Datachart degree headings measure one side from nadir. Diameter data includes both sides. Therefore the 10° column describes a total 20° pattern diameter above the floor. Footcandle values are at the diameter edge.
- Datachart spacing is rounded off to the nearest foot.
- Brightness data from the Average Luminance Method are inaccurate for downlights. They are theoretical calculations for large surfaces such as troffer lenses. We recommend the stricter standard of Maximum Brightness Method point data from direct photometer readings. They approximate what the human eye perceives when evaluating glare. For more information refer to Z section brochure Z1.