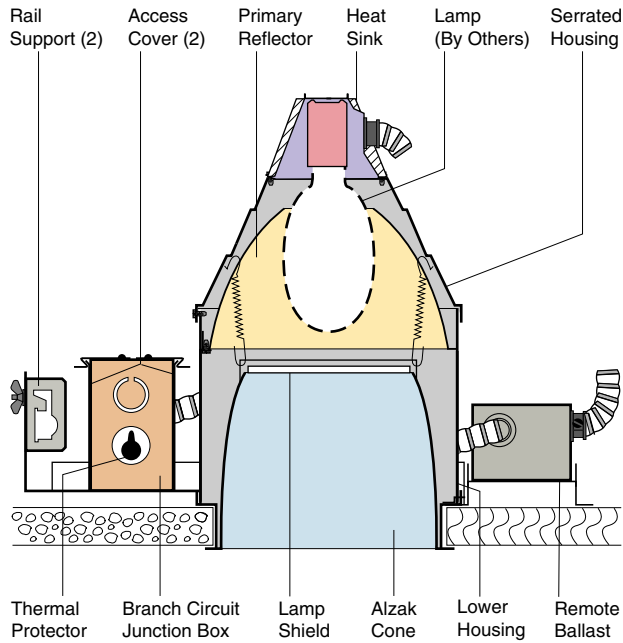


R7363 DISCONTINUED R24

Contact Factory

Narrow Distribution Downlight 400W Metal Halide 11½" Conoid Aperture



Optics and Applications

The primary reflector produces a narrow controlled beam for use in high ceilings. A parabolic shielding cone controls brightness. Clear lamps produce the tightest pattern, coated lamps somewhat wider. Use in atriums, malls, convention centers, transportation terminals etc.

Design Features

The cast aluminum heat sink conveys lamp heat to the plenum. A serrated hydroformed aluminum housing aligns and protects the optical system and acts as a secondary heat sink. Maximum ceiling thickness 7/8". Top or bottom service.

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

CWA, encased and potted, high power factor with dual taps for 120V or 277V. Shipped for 277V, field conversion to 120V with a simple splice. Thermally protected with automatic reset. Operating temperature range from -20° F to 130° F. Mounted on a saddle plate with 4' of flex. Removable through the aperture for service.

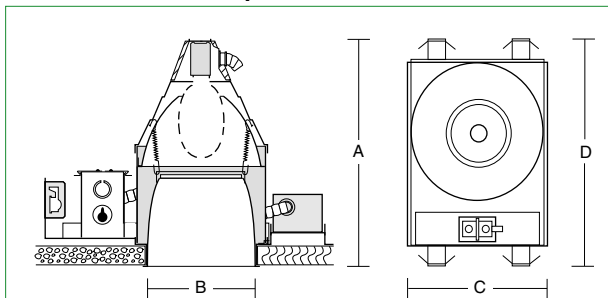
General

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

- 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.
- EC Emergency circuit with mini-can socket and leads.
- AO Instant restrike Auto-On system. Maximum aux. 250W T-4.
- OP Open construction, no lamp shield. Not available with EC or AO accessories.
- V347 347 volt ballast, contact the factory.
- PUL Pulse start ballast, contact the factory.
- F Ballast fuse.
- WT White trim flange.
- T Specular titanium cone.
- W Specular wheat cone.
- Y Specular pewter cone.
- Z Specular bronze cone.

Dimensions and Lamps



Number	A Depth	B Aperture	C Width	D Length	Lamps
R7363	24¼" 616mm	11½" 292mm	15⅞" 390mm	23½" 597mm	400W MH E-37 or BT-37

Matching Units

- Medium distribution Page R22
- Surface cylinders Page S3
- Sloped ceilings Page R26
- Directional Page R26

R24 R7363

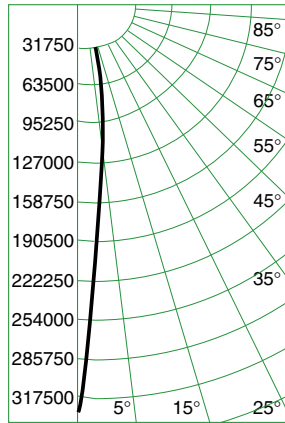
Footcandle Values at Nadir

Distance	40'			50'			60'			70'												
	Nadir	5°	10°	Nadir	5°	10°	Nadir	5°	10°	Nadir	5°	10°										
Lamps	FC	FC	Diam	FC	FC	Diam	FC	FC	Diam	FC	FC	Diam	FC	FC	Diam							
R7363 400W E-37 Clear	199	70	7'	22	14'		127	45	9'	14	18'		88	31	10'	10	21'	65	23	12'	7	25'

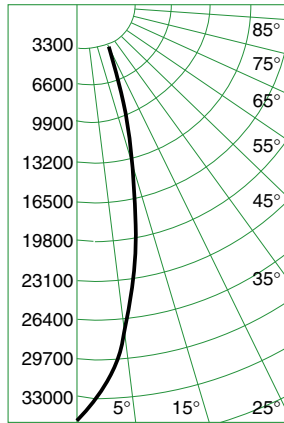
Distance	20'			30'			40'			50'												
	Nadir	10°	15°	Nadir	10°	15°	Nadir	10°	15°	Nadir	10°	15°										
Lamps	FC	FC	Diam	FC	FC	Diam	FC	FC	Diam	FC	FC	Diam	FC	FC	Diam							
R7363 400W E-37 Coated	84	43	7'	29	11'		37	19	11'	13	16'		21	11	14'	7	21'	13	7	18'	5	27'

See note 5.

Candlepower Distribution



R7363 400W E-37 Clear
Eff. 42% S/M .1



R7363 400W E-37 Coated
Eff. 30% S/M .4

Candelas

	Clear	Coated
0	318510	33462
5	113170	28497
10	36710	18101
15	12620	12727
20	4880	9250
25	1930	6408
30	840	4077
35	570	2203
40	350	1198
45	220	618
50	130	252
55	0	2
60	0	0
65	0	0
70	0	0
75	0	0
80	0	0
85	0	0
90	0	0

° Vertical Angles
* Initial Lamp Lumens

Notes

- 1 Data derived with clear specular cones.
- 2 Specular cone multipliers, clear lamps: Gold x .97, Wheat x .96, Pewter x .94, Mocha x .94, Graphite x .94, Titanium x .94, Bronze x .93, Black x .93.
- 3 Softglow® cone multipliers, coated lamps: Clear x .94, Gold x .92, Wheat x .90, Pewter x .87, Mocha x .87, Graphite x .86, Titanium x .86, Bronze x .80, Black x .78.
- 4 Fixtures accept E-37 or BT-37 lamps.
- 5 Degree headings are measured from one side of nadir. The diameter data includes both sides. Therefore the 5° column describes a total 10° pattern diameter at the work plane 30" above the floor. Footcandle values are at the diameter edge. Values are determined with lamp tilt at 0°. Angulation changes all data.
- 6 Average Luminance Method Brightness data are inaccurate for downlights. They are theoretical calculations for troffer lenses. We use 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.

Brightness

Number	Lamps	85°	75°	65°	55°	45°
R7363	400W E-37 Clear	84	129	226	3129	78977
	400W E-37 Coated	144	233	409	2316	71349

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