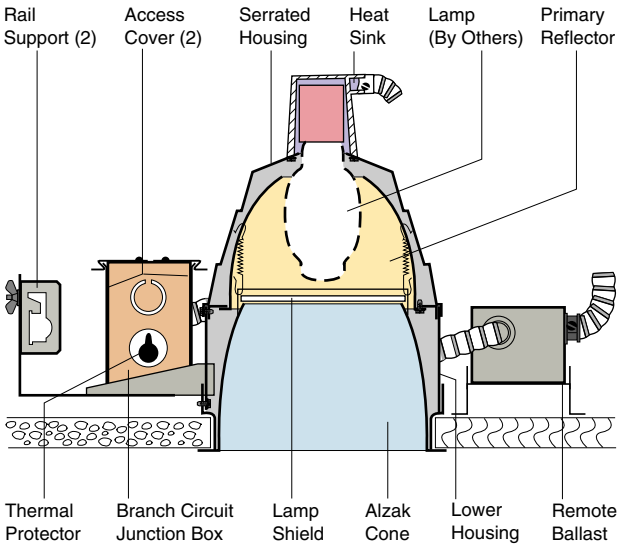
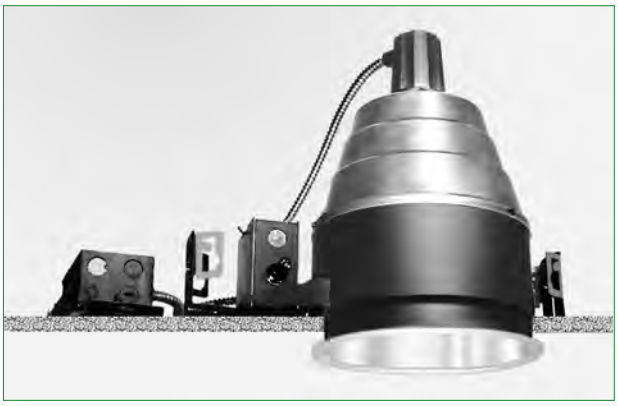
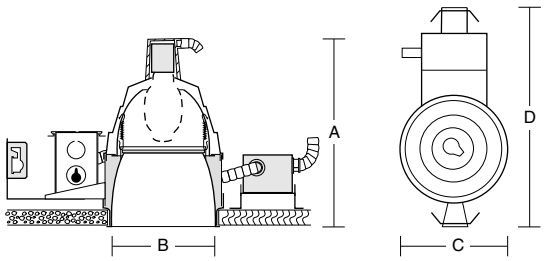




Dimensions and Lamps



Number	A Depth	B Aperture	C Width	D Length	Lamps
R7361	18" 457mm	9½" 241mm	11¼" 286mm	19¼" 489mm	175W MH E-28 or BT-28
R7362	18" 457mm	9½" 241mm	11¼" 286mm	19¼" 489mm	250W MH E-28 or BT-28

R7361 DISCONTINUED R23
R7362 DISCONTINUED

Contact Factory

Narrow Distribution Downlights
175-250W Metal Halide
9½" Conoid Apertures

Optics and Applications
Primary reflectors are contoured to produce a narrow controlled beam particularly suited for high ceiling applications. Parabolic shielding cones control brightness. Clear lamps produce the tightest pattern, coated lamps somewhat wider. Use in atriums, malls, convention centers, transportation terminals etc.

Design Features
Cast aluminum heat sinks convey lamp heat to the plenum. Serrated hydroformed aluminum housings align and protect the optical systems and act as secondary heat sinks. Maximum ceiling thickness: 1¼". Top or bottom service.

Finish
Specular clear Alzak cones are standard. Optional colors and Softglow® finishes are available. Structural parts are painted optical matte black to suppress stray light leaks.

Ballasts
Standard ballast is magnetic, encased and potted. Type HX, HPF, 120V or 277V dual taps. Shipped for 277V, field conversion to 120V with a simple splice. Thermally protected, with auto reset. Temperature -20°F to 105°F. Mounted on a plate with 4' of flex. End of life protection not available, replace failed lamps immediately. 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
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.100W 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.

Matching Units

Medium distribution Page R22
Surface cylinders Pages S1, S3
Sloped ceilings Page R25

Kurt Versen Company
Point Source Lighting
Westwood, New Jersey 07675

R23 R7361 R7362

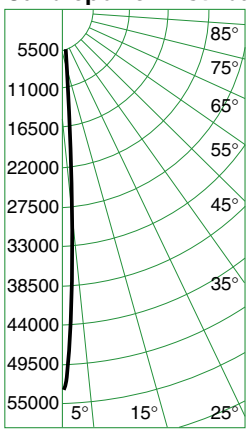
Footcandle Values at Nadir

Distance	20'					30'					40'					50'				
	Nadir	5°		10°		Nadir	5°		10°		Nadir	5°		10°		Nadir	5°		10°	
Lamps	FC	FC	Diam	FC	Diam	FC	FC	Diam	FC	Diam	FC	FC	Diam	FC	Diam	FC	FC	Diam	FC	Diam
R7361 175W E-28 Clear	135	54	3'	28	7'	60	24	5'	12	11'	34	14	7'	7	14'	22	9	9'	4	18'
R7362 250W E-28 Clear	196	79	3'	41	7'	87	35	5'	18	11'	49	20	7'	10	14'	31	13	9'	7	18'

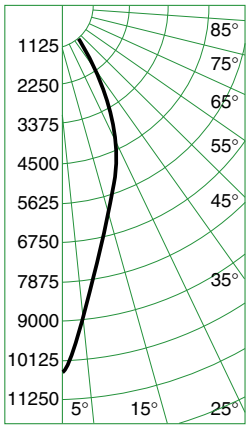
Distance	15'					20'					30'					40'				
	Nadir	10°		15°		Nadir	10°		15°		Nadir	10°		15°		Nadir	10°		15°	
Lamps	FC	FC	Diam	FC	Diam	FC	FC	Diam	FC	Diam	FC	FC	Diam	FC	Diam	FC	FC	Diam	FC	Diam
R7361 175W E-28 Coated	47	27	5'	22	8'	26	15	7'	13	11'	12	7	11'	6	16'	7	4	14'	3	21'
R7362 250W E-28 Coated	83	41	5'	31	8'	47	23	7'	17	11'	21	10	11'	8	16'	12	6	14'	4	21'

See note 5.

Candlepower Distribution



R7361 175W E-28 Clear
Eff. 54% S/M .14

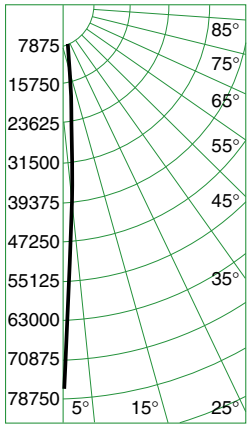


R7361 175W E-28 Coated
Eff. 47% S/M .5

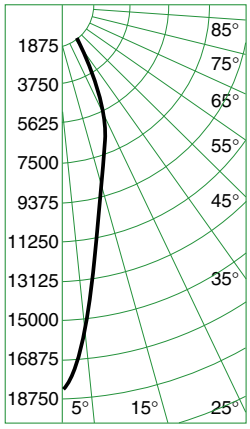
Candelas

○	Clear 14000*	Coated 14000*
0	54083	10571
5	21983	8207
10	11764	6449
15	7208	5615
20	5366	4950
25	3688	3971
30	2413	2989
35	1759	2216
40	1482	1515
45	997	920
50	265	241
55	22	30
60	0	6
65	0	0
70	0	0
75	0	0
80	0	0
85	0	0
90	0	0

○ Vertical Angles
* Initial Lamp Lumens



R7362 250W E-28 Clear
Eff. 54% S/M .14



R7362 250W E-28 Coated
Eff. 41% S/M .34

○	Clear 20500*	Coated 20500*
0	78336	18674
5	31857	12897
10	17047	9585
15	10446	7743
20	7776	6499
25	5345	5109
30	3497	3898
35	2550	2877
40	2148	1950
45	1446	1167
50	409	310
55	36	42
60	0	11
65	0	0
70	0	0
75	0	0
80	0	0
85	0	0
90	0	0

○ Vertical Angles
* Initial Lamp Lumens

Brightness

Number	Lamps	85°	75°	65°	55°	45°
R7361	175W E-28 Clear	31	44	74	717	51226
	175W E-28 Coated	50	72	110	605	41494

Number	Lamps	85°	75°	65°	55°	45°
R7362	250W E-28 Clear	45	64	108	1039	75010
	250W E-28 Coated	74	105	162	887	60759

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

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-28 or BT-28 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.