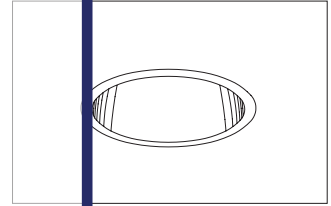


CATALOG #	TYPE
JOB NAME	WATTAGE VOLTAGE

7" T6 CERAMIC METAL HALIDE 150 WATT MAXIMUM HRR-07323

High Output Ellipsoidal T6 Downlight
4 Distributions Available

THIS PRODUCT IS NO LONGER AVAILABLE



7" Dual Reflector Design

Specifications

Lamp

- Designed for vertical T6 bi-pin ceramic metal halide lamp.
- Up to 96 CFS, 12,000-15,000 hour life.
- For lower wattages, see Option -43.

Socket (5kV rated)

- G12 bi-pin base.
- Porcelain body. Silicone leads.

Reflectors

- Upper: Ellipsoidal specular Alzak® aluminum. With Option -SPT, -NFL or -MFL: Parabolic insides.
- Lower: Low brightness specular Alzak® aluminum, self-flanged.
- Optional reflector finishes / colors available.

Lens: UV Absorbing

- Tempered polycarbonate glass mounted on upper reflector. Standard WFL distribution (1.3 SC).
- See Options for -SPT (0.2 SC), -NFL (0.3 SC) or -MFL (0.8 SC) distribution.

Electronic Ballast

- Full electronic circuitry provides constant

- color and constant wattage, instantaneous start, consistent performance and long life.
- Input voltage: 100V-277V, 50/60 Hz or higher voltage, see Options.
- 150 watt standard. Add Option -43 and specify for 100, 70, 39 or Type IC, 20 watt.
- Minimum starting temperature: -40°C/-40°F.
- Temperature Current Cycles Factor less than 1.
- Vertically protected. Provides automatic shut-off if rated temperature is exceeded.
- Internally fused.
- Power factor greater than 90%.
- Input current THD less than 15%.
- Maximum 85°C operation, Sound Rated A.

Aluminum Housing

- Acrylic enameled. Rustproof. Corrosion resistant. Freezes and thaws to -59°F (-50°C).
- Paint tray for high reflective finish.
- Cool operation: Extends component life.
- Maximum WAC load of 150 watts.
- Current failure of WFL from through removable trim.

- Built-in plaster frame.

Outlet Box

- Prewired 14 GA (NEC) galvanized steel, UL listed; with removable insulated cover.
- 1/2" and 3/4" knockouts.

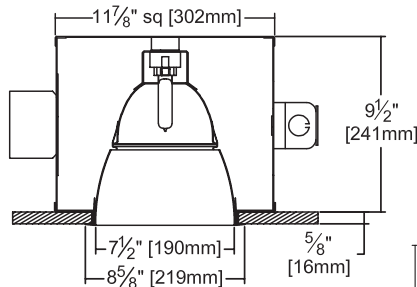
Installation

- 27" galvanized hanger bars with adjustable mounting brackets (2) supplied.
- Recesses indoor or outdoor in covered locations.

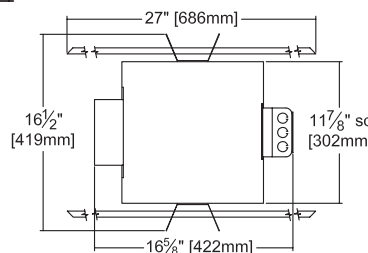
UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings.
- Through-branch circuit conductors (6 #12).
- Type IC, 20 watt only.
- Three Year Limited Warranty
- Complete standard fixture, including ballast.

Performance at a Glance

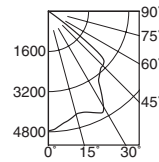


Ceiling Cut-out
8" Dia.



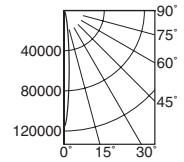
STANDARD (WFL) DISTRIBUTION

SC: 1.3
Effic: 64.4%
ITL Test: 75840



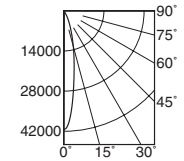
Option -SPT

SC: 0.2
Effic: 61.8%
ITL Test: 75841



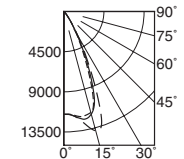
Option -NFL

SC: 0.3
Effic: 63.8%
ITL Test: 75842



Option -MFL

SC: 0.8
Effic: 62.1%
ITL Test: 75843



THE KIRLIN COMPANY

3401 EAST JEFFERSON AVENUE • DETROIT, MICHIGAN 48207-4232
(313) 259-6400 • Fax: (313) 259-9409 OR (313) 259-3121 • www.kirlinlighting.com

COMPACT PULSE START
METAL HALIDE LIGHTING

MAXIMUM WATTAGE

150

CATALOG NUMBER

HRR-07323

DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

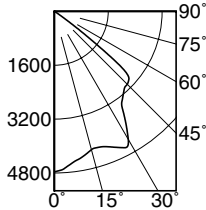
Photometry from I.T.L., Boulder, CO

STANDARD (WFL)

 SC: 1.3
 Effic: 64.4%
 ITL Test: 75840


Cone of Light ▲

Dist.	FC	Dia.
6	132.4	7.6
8	74.5	10.2
10	47.7	12.7
12	33.1	15.3
14	24.3	17.8
16	18.6	20.4



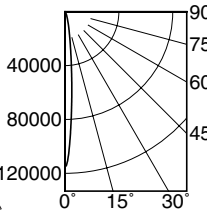
CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	4765	4765	4765	4765	4765
5	4609	4609	4609	4609	4609
10	4251	4251	4251	4251	4251
15	4459	4459	4459	4459	4459
20	3523	3523	3523	3523	3523
25	3062	3062	3062	3062	3062
30	371	371	371	371	371
35	10	10	10	10	10
40	5	5	5	5	5
45	1	1	1	1	1
90	0	0	0	0	0

Option -SPT

 SC: 0.2
 Effic: 61.8%
 ITL Test: 75841


Cone of Light ▲

Dist.	FC	Dia.
6	3201.6	1.0
8	1800.9	1.4
10	1152.6	1.7
12	800.4	2.1
14	588.0	2.4
16	450.2	2.8



CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	11526	11526	11526	11526	11526
5	5803	5803	5803	5803	5803
10	939	939	939	939	939
15	261	261	261	261	261
20	29	29	29	29	29
25	6	6	6	6	6
30	1	1	1	1	1
35	0	0	0	0	0
40	0	0	0	0	0
45	0	0	0	0	0
90	0	0	0	0	0

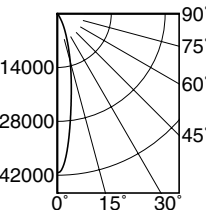
MULTIPLY ALL CANDELA VALUES BY 10

Option -NFL

 SC: 0.3
 Effic: 63.8%
 ITL Test: 75842


Cone of Light ▲

Dist.	FC	Dia.
6	1147.8	2.0
8	645.6	2.7
10	413.2	3.4
12	287.0	4.1
14	210.8	4.8
16	161.4	5.4



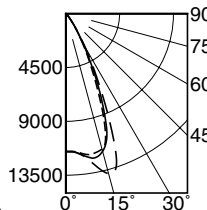
CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	41321	41321	41321	41321	41321
5	33166	33166	33166	33166	33166
10	12841	12841	12841	12841	12841
15	4141	4141	4141	4141	4141
20	723	723	723	723	723
25	156	156	156	156	156
30	28	28	28	28	28
35	6	6	6	6	6
40	0	0	0	0	0
45	0	0	0	0	0
90	0	0	0	0	0

Option -MFL

 SC: 0.8
 Effic: 62.1%
 ITL Test: 75843


Cone of Light ▲

Dist.	FC	Dia.
6	319.9	5.2
8	180.0	7.0
10	115.2	8.7
12	80.0	10.4
14	58.8	12.2
16	45.0	13.9



CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	11518	11518	11518	11518	11518
5	11624	11665	11699	11712	11707
10	11716	12537	13866	12820	11906
15	5267	5812	6753	6365	5979
20	1223	1269	1348	1329	1296
25	266	269	274	271	269
30	48	47	47	46	46
35	2	2	3	4	4
40	1	0	0	1	1
45	0	0	0	0	0
90	0	0	0	0	0

▲ Cone of Light Key

 Ft. Distance from fixture
 FC Footcandles at nadir (0°)
 Dia. Circle of light at 50% of FC

Dia. (in ft.) shown is where FC value is half the FC at nadir.

Photometry based on: 14,000 lumens - 150W

Options

Distributions

- MFL Medium flood distribution. (0.8 SC)
- NFL Narrow flood distribution. (0.3 SC)
- SPT Spot distribution. (0.2 SC)

Lower Reflector (Self-Flanged)

- 30 All White. (CP x 1.1)
- 31 White flange (only).
- 32 White trim ring to cover larger ceiling opening. Specify outer diameter of ring.
- 45 Gasket above flange. Stops dust streaks on ceiling.
- 69 Wheat specular Alzak. (CP x .92) Consult factory.
- 70 Clear SofTex. (CP x .92)
- 77 Pewter SofTex. (CP x .85) Consult factory.
- 91 Wheat SofTex. (CP x .88) Consult factory.

- 93 Pewter specular Alzak. (CP x .88) Consult factory.
- 94 Custom color. Consult factory.

Relays, Standbys, Lamps

- 49 Extra circuit DCB socket (up to 75W). Do not energize simultaneously with main source. Also see Option -LS.
- 65 Electronic standby system and DCB socket (up to 75W). Provides immediate light until CMH restrikes. Also see Options -66 and -LS.
- 66 Electronic time delay standby system and DCB socket (up to 75W). Provides light until CMH reaches 70% output. Also see Option -LS.
- LP With lamp. Specify source, wattage, color temperature / brand. 3000°K standard; consult factory for others.

- LS With T4 DCB tungsten halogen standby lamp (75W). Use only with Options -49, -65 or -66.

Wattage and Voltage

- 43 Lower wattage. T6: specify for 100W, 70W, 39W or Type IC 20W.
- 347 347 volt.
- 97 Other input voltage instead. Consult factory.

Other Options

- 79 Extension collar for up to 2" thick ceilings.
- 99 Special modification. Consult factory.
- TA Top access; for servicing from above ceiling.

SUBMITTAL DATA

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER

APPROVAL STAMP

LIMITED WARRANTY: KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLATION TO N.E.C. IN NORMAL USE. Manufacturer of the fixture will neither be liable for, nor shall it be liable for, any damage, loss, or injury sustained or suffered by any person, firm, or corporation, arising out of the use of the fixture, or any modification of the fixture without prior written authorization from the manufacturer. The manufacturer will render the warranty void, if the fixture is not used in accordance with the instructions provided.