

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

6" T6 CERAMIC METAL HALIDE 150 WATT MAXIMUM HRR-06321

## 150 Watt Ellipsoidal T6 Downlight: 4 Spacing

### Specifications

#### Lamp

- Designed for vertical T6 bi-pin ceramic metal halide lamp.
- Up to 96 CPH, 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 instead.
- Lower: Low brightness specular Alzak® aluminum, self-flanged.
- Optional reflector finishes / colors available.

#### Lens: UV Absorbing

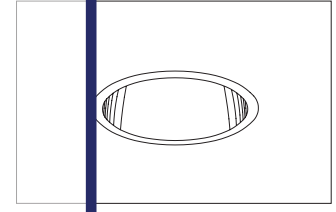
- Tempered plastic glass mounted to lower reflector. Standard WFL distribution.
- See Options for -SPT (0.2 SC), -NFL (0.4 SC) and -MFL (0.8 SC) distribution.

#### Electronic Ballast

- Full electronic circuit provides constant color and constant wattage, ensuring consistent performance and long life.

# THIS PRODUCT IS NO LONGER AVAILABLE

Please consult **QUOTATIONS** for the best alternative.



6" Dual Reflector Design

#### Outlet Box

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

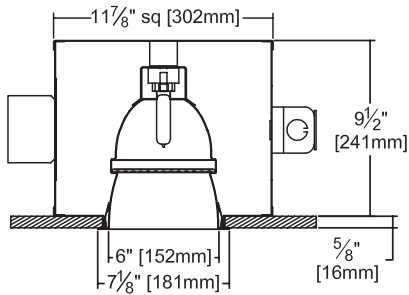
#### Installation

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

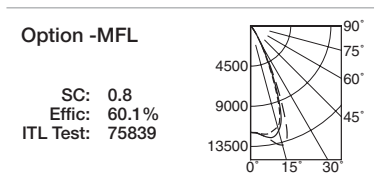
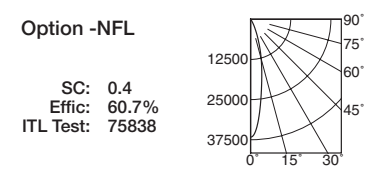
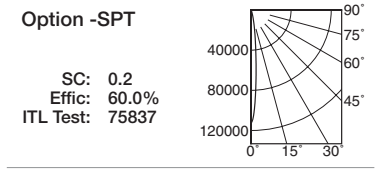
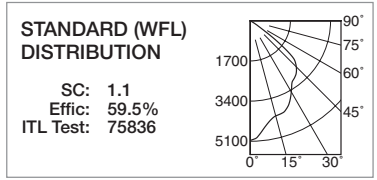
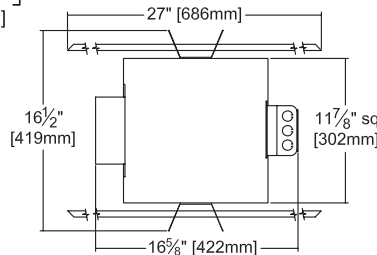
#### UL, C-UL (Canada) Listings

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

### Performance at a Glance



Ceiling Cut-out  
6 1/2" Dia.



## THE KIRLIN COMPANY

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COMPACT PULSE START  
METAL HALIDE LIGHTING

MAXIMUM WATTAGE  
150

CATALOG NUMBER  
HRR-06321

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

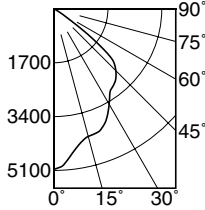
### STANDARD (WFL)

SC: 1.1  
Effic: 59.5%  
ITL Test: 75836



**Cone of Light ▲**

Dist.	FC	Dia.
6	140.7	6.3
8	79.1	8.4
10	50.6	10.6
12	35.2	12.7
14	25.8	14.8
16	19.8	16.9



CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	5064	5064	5064	5064	5064
5	4797	4797	4797	4797	4797
10	4168	4168	4168	4168	4168
15	3883	3883	3883	3883	3883
20	3119	3119	3119	3119	3119
25	2758	2758	2758	2758	2758
30	680	680	680	680	680
35	14	14	14	14	14
40	8	8	8	8	8
45	2	2	2	2	2
90	0	0	0	0	0

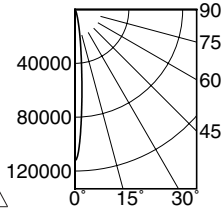
### Option -SPT

SC: 0.2  
Effic: 60.0%  
ITL Test: 75837



**Cone of Light ▲**

Dist.	FC	Dia.
6	3110.9	1.1
8	1749.9	1.5
10	1119.9	1.8
12	777.7	2.2
14	571.4	2.6
16	437.5	2.9



CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	11199	11199	11199	11199	11199
5	5929	5929	5929	5929	5929
10	874	874	874	874	874
15	204	204	204	204	204
20	23	23	23	23	23
25	11	11	11	11	11
30	11	11	11	11	11
35	0	0	0	0	0
40	0	0	0	0	0
45	0	0	0	0	0
90	0	0	0	0	0

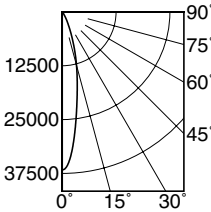
MULTIPLY ALL CANDELA VALUES BY 10

### Option -NFL

SC: 0.4  
Effic: 60.7%  
ITL Test: 75838

**Cone of Light ▲**

Dist.	FC	Dia.
6	1018.9	2.2
8	573.2	2.9
10	366.8	3.7
12	254.7	4.4
14	187.2	5.1
16	143.3	5.9



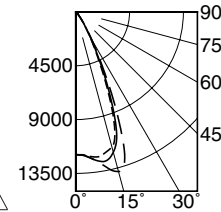
CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	36682	36682	36682	36682	36682
5	30253	30253	30253	30253	30253
10	12793	12793	12793	12793	12793
15	3535	3535	3535	3535	3535
20	644	644	644	644	644
25	202	202	202	202	202
30	130	130	130	130	130
35	5	5	5	5	5
40	0	0	0	0	0
45	0	0	0	0	0
90	0	0	0	0	0

### Option -MFL

SC: 0.8  
Effic: 60.1%  
ITL Test: 75839

**Cone of Light ▲**

Dist.	FC	Dia.
6	331.3	5.0
8	186.4	6.7
10	119.3	8.4
12	82.8	10.1
14	60.9	11.8
16	46.6	13.5



CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	11928	11928	11928	11928	11928
5	12103	12129	12173	12212	12195
10	11703	12470	13816	12978	12137
15	4817	5313	6046	5677	5284
20	1028	1075	1151	1121	1078
25	261	262	267	265	264
30	160	160	166	170	171
35	5	4	4	4	6
40	1	0	0	0	2
45	0	0	0	0	0
90	0	0	0	0	0

#### ▲ Cone of Light Key

- FC Distance from fixture
- 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. (0.4 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

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## APPROVAL STAMP

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLATION TO N.E.C. IS NORMAL USE. Manufacturer at its option will replace or repair such fixture or credit the purchase price or pro-rata portion of the purchase price of such fixture, provided that the fixture is returned to the manufacturer within the warranty period. This warranty is void if the fixture is modified, repaired, or if the fixture is used in an application not intended by the manufacturer. Manufacturer's liability is limited to the purchase price of the fixture. This warranty does not cover consequential or incidental damages. Consult factory for details. This warranty is void if the fixture is used in an application not intended by the manufacturer. Manufacturer's liability is limited to the purchase price of the fixture. This warranty does not cover consequential or incidental damages. Consult factory for details. This warranty is void if the fixture is used in an application not intended by the manufacturer. Manufacturer's liability is limited to the purchase price of the fixture. This warranty does not cover consequential or incidental damages. Consult factory for details.