

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

6" T4.5 METAL HALIDE 70 WATT MAXIMUM HRR-06228

Parabolic Open Appearance
Adjustable

Features

Lamp

- Designed for T4.5 bi-pin metal halide lamps.
- See Option 43 for lower wattage.

Socket

- Adjustable, G8.5 bi-pin. Pulse rated.
- Porcelain body. Silicone leads.

Reflectors

- Upper: Specular Alzak® aluminum. Swivels 360°, tilts up to 45°.
- Lower: Specular Alzak, self-flanged.
- Optional reflector finishes available.

Lens

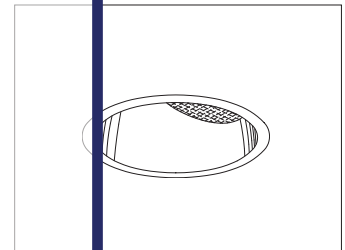
- UV absorbing tempered Microlux glass mounted to upper reflector. Also see Options 44 and 45.

Ballast Assembly: Specify Voltage

- WhisperPack™ fully encapsulated 180°C rated HPF pulse start ballast.
- Class H, high reactance for 120 volt circuits.
- Options -65, -66; linear reactor ballast.
- Capacitor and ignitor supplied.
- Electronic ballast available. See Options 46 and 47.
- (Standard for 20 watt)
- Cool, quiet, long-life. Silicone leads.
- Visible and easily serviced in all ceilings including drop wall.

THIS PRODUCT IS NO LONGER AVAILABLE

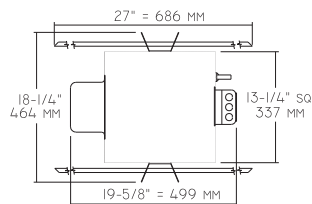
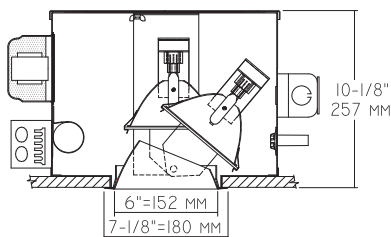
Please consult QUOTATIONS for the best alternative.



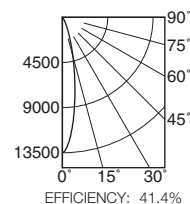
Recessed Round
Open
Appearance
Adjustable

Performance at a Glance

HRR-06228



Ceiling Cut-out
6 1/2"



Cone of Light*		
Dist.	FC	Dia.
6	375.2	2.1
8	211.0	2.8
10	135.1	3.5
12	93.8	4.2
14	68.9	4.9
16	52.8	5.6

SC 0.3

Cone of Light Key

- Ft. Distance from fixture
- FC Footcandles (average)
- Dia. Circle of light at 50% of FC
- * Dia. (in ft.) shown is where FC value is half the FC at nadir.

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

PULSE START METAL HALIDE LIGHTING

MAXIMUM WATTAGE

70

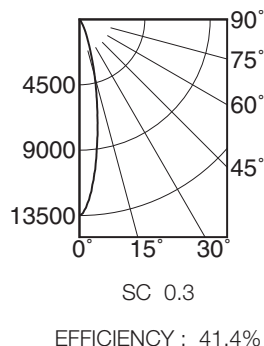
CATALOG NUMBER

HRR-06228

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

Alzak® is a registered trademark of ALCOA.

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

HRR-06228 (T4.5 70 Watt)

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	13507	13507	13507	13507	13507
5	10991	10991	10991	10991	10991
15	3912	3912	3912	3912	3912
25	986	986	986	986	986
35	152	152	152	152	152
45	25	25	25	25	25
55	0	0	0	0	0
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION								
RF	20							
RC	80				50			
RW	70	50	30	10	50	30	10	
1	48	47	46	45	44	44	43	
2	46	45	43	42	43	42	41	
3	45	43	41	40	41	40	39	
4	43	41	39	38	40	38	37	
5	42	39	38	36	38	37	36	
6	41	38	36	35	37	36	35	
7	39	37	35	34	36	35	31	
8	38	36	34	33	35	34	32	
9	37	34	33	32	34	33	31	
10	36	33	32	31	33	32	31	

PRORATED FROM ITL TEST #51373
HRR-06228: *LER=26.8 •AEC=\$8.96
HRR-06228-96: *LER=32.3 •AEC=\$7.43

- AEC = Annual Energy Cost per 1000 lumens (based on 3000 hours use @ \$0.08 KWH).

$$\text{LER} = \frac{\text{Luminaire Effic.} \times \text{Total Lamp Lumens} \times \text{Ballast Factor}}{\text{Input Watts}}$$

Ballasts

-96 Regulating electronic MH ballast instead.

Wattage and Voltage

- 43 Lower wattage. For 39 watt standard bi-pin. Specify voltage. For 20 watt (electronic only) system, consult factory.
- 120 120 volt, 60 Hz. ballast.
- 277 277 volt, 60 Hz. ballast.
- 347 347 volt, 60 Hz. ballast. Consult factory for electronic.
- 97 Other voltage ballast instead. Consult factory.

Relays, Standbys, Lamps

-49 Extra circuit DCB socket. Do not energize simultaneously with main source. Also see -LS.

-65 Electronic standby system and DCB socket. Following HID outage, provides immediate light until HID restrikes. Also see -66 and -LS.

- 66 Electronic time delay standby system and DCB socket. Following output, provides light until HID reaches 70% output. Also see Option -LS.
- LP With lamp. Specify wattage and color temperature, and clear or coated. (3000°K standard for metal halide)
- LS With T4 DCB tungsten halogen standby lamp. Use only with Options -49, -65 or -66.

Reflectors and Trims (Self-Flanged)

- 16 Champagne Gold specular Alzak lower reflector. (CP x .95)
- 30 All White lower reflector. (CP x .95)
- 31 White flange (only) on lower reflector.
- 32 White oversize trim ring. Specify O.D.
- 45 Gasket above reflector flange. Stops dust streaks on ceiling.
- 63 Dune specular Alzak lower reflector. (CP x .93)
- 69 Wheat specular Alzak lower reflector. (CP x .92)
- 70 SoTex Clear etched lower reflector. (CP x .92)
- 71 SoTex Dune etched lower reflector. (CP x .89)
- 72 Black specular Alzak lower reflector. (CP x .77)

-77 SoftTex Pewter etched lower reflector. (CP x .85)
-90 SoftTex Champagne Gold etched lower reflector.
(CP x .90)
-91 SoftTex Wheat etched lower reflector. (CP x .88)
-92 Umber specular Alzak lower reflector. (CP x .83)
-93 Pewter specular Alzak lower reflector. (CP x .88)
-94 Custom color lower reflector. Consult factory.

Lenses

- 15 Prismatic C#73 flat glass lens instead.
- 28 UV absorbing clear tempered glass instead.

Mounting Options

-85 Ceiling Panel; with recessed fixture hole. Lays-in 2' x 2' grid.

Other Options

- 99 Special modification. Consult factory.
- TA Top access modification for servicing from above ceiling.

APPROVAL STAMP

.JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER

LIMITED WARRANTY: CATALOGUED KIRLIN FURNITURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLED TO N.E.C. IN NORMAL USE. Manufacturer at his option will repair or replace such furniture or refund the purchase price on presentation of proof of purchases and defective furniture at the office of manufacturer within three years of original shipment. Liability of manufacturer is limited to the foregoing and manufacturer shall not be liable for any other damages, direct or indirect, sustained or suffered by purchaser of any period. The manufacturer of the furniture supplied under this warranty, expressed or implied, shall not be liable for any other damages, direct or indirect, sustained or suffered by purchaser of any period. The furniture without prior written approval of the manufacturer will not be used for any other installation or for any other use, nor will any oral statement constitute a warranty or amendment to this specific warranty. Abnormal use, abuse of the furniture, improper installation or use of the furniture without prior written approval of the manufacturer will void the warranty.