

CATALOG #		TYPE	
JOB NAME	WATTAGE	VOLTAGE	

T4.5 CERAMIC METAL HALIDE

70 WATT MAXIMUM

HRS-06311

## T4.5 S

#### Specific btions

#### Lamp

- Designed fo T4 twist-and ock (see Opti ceramic met halide lamp.
- Up to 95 CF 12,000-15,000 hour life ages, see Option -43. For lower w
- Socket (5kV ated)
- G8.5 base. J6.5 base for T4
- Porcelain bo Silicone leads.

#### Reflectors

- idal specular Alzak® aluminum. • Upper: Ellips With Option SPT or -NFL: Parabolic instead.
- Lower: Low ightness square spec Alzak® alum ım, self-flanged.
- Optional refl tor finishes / colors Lens: UV Abs
- Tempered p ard MFL distributi reflector. Sta or with Option
- See Options -NFL (0.3 S Electronic Bo

Full electron

# con and bost (w table sung cor sten performan ka congress get)

- Thermally protected. Provides automatic shut-off if rated temperature is exceeded.
- Internally fused.
- Some fector greater than now SUIT

e bestualternati

6" Du al Reflector Design Optional T4)

- Entire luminaire erviced from below through remov le trim.
- Built-in plaster ame

#### **Outlet Box**

- Prewired 14 G/ (NEC) galvanized steel, UL listed; with rem vable insulated cover.
- 1/2" and 3/4" ockouts.

#### Installation

- 27" galvanized anger bars with adjustable ts (2) supplied. mounting brack
- Recesses indo or outdoor in covered

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

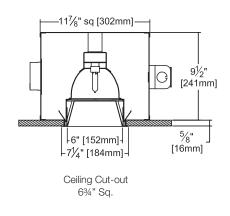
y locations, covered

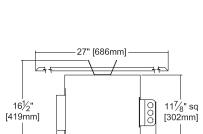
circuit conductors (6 #12). only.

#### d Warranty

 Complete star ard fixture, including ballast.

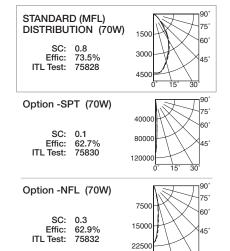
#### Performance at a Glance





Exceptional Energy

Efficiency



### THE KIRLIN COMPANY

15<sup>5</sup>/<sub>8</sub>" [397mm]

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

CATALOG NUMBER

70

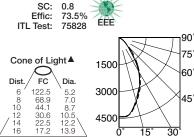
HRS-06311



#### **Detailed Photometry - Installed Fixture**

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

#### STANDARD (MFL) (70W)

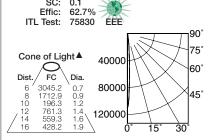


CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	4409	4409	4409	4409	4409
5	4383	4389	4404	4421	4422
10	3718	3679	3610	3642	3674
15	2818	2765	2681	2693	2680
20	1629	1735	1749	1648	1518
25	675	708	816	694	654
30	259	280	290	282	260
35	1	1	24	1	1
40	0	0	0	0	0
45	0	0	0	0	0
90	0	0	0	0	0

90

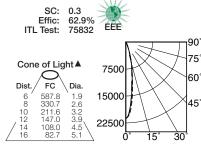
45°

#### Option -SPT (70W)



CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	10963	10963	10963	10963	10963
5	3146	3195	3295	3358	3364
10	261	272	287	287	280
15	64	76	63	77	67
20	8	11	36	- 11	9
25	1	1	1	2	3
30	0	0	0	0	0
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 (70W)



C.	CANDLEPOWER DISTRIBUTION				
	0.0		22.5 45.0		90.0
0	21162	21162	21162	21162	21162
5	17893	17374	16573	16468	16600
10	5879	5920	5881	5941	6055
15	1129	1216	1277	1284	1224
20	237	306	455	311	237
25	60	71	97	71	60
30	19	21	20	19	17
35	1	2	3	1	1
40	0	0	0	0	0
45	0	0	0	0	0
90	0	0	0	0	0

See following page for **Option -43: Lower Wattage** performance for 39W

**▲** Cone of Light Key

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

Ft. Distance from fixture

FC Footcandles at nadir (0°)

Dia. Circle of light at 50% of FC

Photometry based on: 6200 lumens - 70W 3400 lumens - 39W

#### **Options**

#### Distributions

-SPT Spot distribution. (0.1 SC) -NFL Narrow flood distribution. (0.3 SC)

#### Lower Reflector (Self-Flanged)

- All White. (CP x 1.1) -30
- -31 White flange (only).
- -32 White trim extender to cover larger ceiling opening. Specify outer square dimension.
- -45 Gasket above flange. Stops dust streaks on ceiling.
- -70 Clear SofTex. (CP x .92)
- Custom color. Consult factory.

#### Relays, Standbys, Lamps

- Extra circuit DCB socket (up to 75W). Do not energize simultaneously with main source. Also see Option -LS.
- Electronic standby system and DCB socket (up to 75W). Provides immediate light until CMH restrikes. Also see Options -66 and -LS.
- Electronic time delay standby system and DCB socket (up to 75W). Provides light until CMH reaches 70% output. Also see Option
- -LP With lamp. Specify source, wattage, color temperature / brand. 3000°K standard; consult factory for others.
- With T4 DCB tungsten halogen standby lamp (75W). Use only with Options -49, -65 or -66.

#### Wattage and Voltage

- Lower wattage: T4.5: specify 39W or Type IC 20W With Option -T4: Type IC 20W only
- -347 347 volt.
- Other input voltage instead. Consult factory.
- Converted to GU6.5 base for twist-andlock T4 lamp. 39W standard. Add Option -43 for 20 watt Type IC.

#### Other

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

#### SUBMITTAL DATA

APPROVAL STAMP

JOB NAME

**TYPE** 

WATTAGE **VOLTAGE** 

CATALOG NUMBER

IMITED WARFAANTY; CATALOGED KIRLIN PKTURES ARE WARFAANTED FREE DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE, INSTALLED TO N.E.C., IN NORMAL USE, M. TO INDICATE AND A CONTROL OF THREE YEARS FROM DATE OF PURCHASE, INSTALLED TO N.E.C., IN NORMAL USE, M. TO INDICATE AND A CONTROL OF THREE YEARS FROM DATE OF PURCHASE, INSTALLED TO N.E.C., IN NORMAL USE, M. TO INDICATE OF THREE YEARS FROM DATE OF PURCHASE, INSTALLED TO N.E.C., IN NORMAL USE, M. TO INDICATE OF THREE YEARS FROM DATE OF PURCHASE, INSTALLED TO N.E.C., IN NORMAL USE, M. TO INDICATE OF THREE YEARS FROM DATE OF PURCHASE. IN NORMAL USE, M. TO INDICATE OF THREE YEARS FROM DATE OF PURCHASE, IN NORMAL USE, M. TO INDICATE OF THREE YEARS FROM DATE OF PURCHASE. IN NORMAL USE, M. TO INDICATE OF THREE YEARS FROM DATE OF PURCHASE. IN NORMAL USE, M. TO INDICATE OF THREE YEARS FROM DATE OF PURCHASE. IN NORMAL USE, M. TO INDICATE OF THREE YEARS FROM DATE OF PURCHASE. IN NORMAL USE, M. TO INDICATE OF THREE YEARS FROM DATE OF PURCHASE. IN NORMAL USE, M. TO INDICATE OF THREE YEARS FROM DATE OF PURCHASE. IN NORMAL USE, M. TO INDICATE OF THREE YEARS FROM DATE OF TH Manufacturer at his option will replace or repair such fixture or refund the purchase price on presentation preson. This warranty is supplied to the buyer in place of all other warranties, expressed or implied. Seller im the manufacturer will render the warranty void.