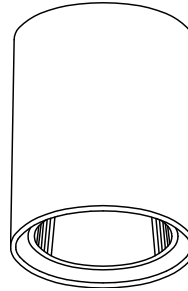


Surface Lensed T-6 Bi-Pin Ellipsoidal and Parabolic Downlight and Adjustable: 39 to 150 Watt



12" 150W **HSR-12125**
12" 150W **HSR-12127**

Features

Lamp

- Designed for T-6 bi-pin metal halide lamps. See chart below for standard and optional wattages.
- See Option -43 and chart below for lower wattage.

Socket

- Vertical. G12 bi-pin. Pulse rated.
- Porcelain body. Silicone leads.
- HSR-12127: Adjustable socket position.

Reflectors

- Upper: Ellipsoidal or parabolic specular Alzak® aluminum.
HSR-12127: Parabolic. Swivels 358° and tilts up to 30°.
- Lower: Low brightness parabolic specular Alzak aluminum, self-flanged.

Lens

- UV absorbing tempered MicroLux glass mounted to upper reflector. Also see Options.

Ballast Assembly: Specify Voltage

- WhisperPack™ fully encapsulated 180°C rated HPF pulse start ballast.
- Class H, high reactance for 120 volt and Options -65, -66; linear reactor for 277 volt.
- Capacitor and ignitor supplied.
- Dimming (-39) and electronic (-96) ballasts available. See Options.
- Cool, quiet, long-life. Silicone leads.

Fuse

- Fused primary. Renewable. Aids servicing.

Housing

- White acrylic enameled aluminum. Flare style includes interlocking flare trim ring.
- No visible seam or cylinder hardware.

- Cool: Dissipates heat across entire surface area.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.

Installation

- Center point mounting for snug fit to ceiling. Mounting hardware furnished.
- QuickConnect mounting system available (Option -QM).
- Surface J-box mount available. (Option -80)
- Pendant or wall bracket mount available. (See Options -PM, -WB)
- Indoor or outdoor for covered ceiling use. (See Options -QM, -89)
- UL, C-UL (Canada) Listings
- Wet, damp or dry locations, covered ceilings. (See Options -QM, -89)
- Three Year Limited Warranty
- Complete standard fixture, including ballast.

Wattage Availability

Catalog No.	Lamp/Base	Standard Wattage Pulse MH	Option -43 Lower Wattage Pulse MH	Max. Standby Wattage (-49-65-66-LS)	Fixture Style
HSR-12125	T-6/G12 bi-pin	150	39-70	100	Flare Trim
HSR-12127	T-6/G12 bi-pin	150	39-70	100	Adjustable/Flare

Options

Sources and Ballasts

- 39 Remote (10' max.) electronic dimming ballast instead, for pulse start metal halide. Consult factory for wattage and voltage availability.
- 96 Remote (15' max.) electronic MH ballast instead. Consult factory for internal mounting.

Wattage and Voltage

- 43 Lower wattage: See Option -43 chart above for available lower wattages. Specify voltage.
- 120 120 volt, 60 Hz. ballast.
- 277 277 volt, 60 Hz. ballast.
- 347 347 volt, 60 Hz. ballast. Consult factory for dimming or electronic.
- 97 Other voltage ballast. Consult factory.

Relays, Standbys, Lamps (See Chart)

- 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 outage, provides light until HID reaches 70% output. Also see Option -LS.
- LP With lamp. Specify wattage and color temperature. (3000°K standard for T-6 MH)

- LS With T-4 DCB tungsten halogen standby lamp. Use only with Options -49, -65 or -66.

Reflectors and Trims (Self-Flanged)

- 16 Champagne Gold specular Alzak lower cone. (CP x .95)
- 30 All White lower cone. (CP x .95)
- 31 White flange (only) on lower cone.
- 63 Dune specular Alzak lower cone. (CP x .93)
- 69 Wheat specular Alzak lower cone. (CP x .92)
- 70 Softex Clear etched lower cone. (CP x .92)
- 71 Softex Dune etched lower cone. (CP x .89)
- 72 Black specular Alzak lower cone. (CP x .77)
- 77 Softex Pewter etched lower cone. (CP x .92)
- 90 Softex Champagne Gold etched lower cone. (CP x .90)
- 91 Softex Wheat etched lower cone. (CP x .88)
- 92 Umber specular Alzak lower cone. (CP x .83)
- 93 Pewter specular Alzak lower cone. (CP x .88)
- 94 Custom color lower cone. Consult factory.
- OG OptiGroove black tapered aluminum lower cone. White trim. (CP x .75)

Lenses

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

Luminaire (Housing) Finishes

- 35 Natural Aluminum enameled luminaire finish instead.

- 36 Gold enameled luminaire finish instead.
- 37 Dark Bronze enameled luminaire finish instead.
- 38 Black enameled luminaire finish instead.
- 94 Custom color luminaire finish. Consult factory.

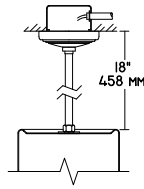
Mounting Options

- 54 Safety cable through pendant stem. 12" longer than specified stem length. Anchored to fixture. Use with Option -PM.
- 80 2" concealment collar for mounting luminaire beneath surface outlet box. 1/2" T.S. KO's. Also see Option -89.
- 87 Custom -PM length. Specify up to 4 feet or consult factory for longer lengths with couplers.
- 88 Swivel canopy for sloped ceilings up to 45°. Earthquake rated. Use with Option -PM.
- 89 Sealed top feature prevents moisture and insect intrusion from above in outdoor or high humidity areas. Must add to Options -80, -PM or -WB for Wet Label listing.
- PM Pendant mount instead. 3/8" T.S. x 18" standard. Also see Options -54, -87, -88, -89.
- QM QuickConnect mount, for indoor (damp or dry) use only. Housing swings aside for easy wiring, then pivots and locks to matte black collar.
- WB Wall bracket mount instead. Also see Option -89.

Other Options

- 99 Special modification. Consult factory.

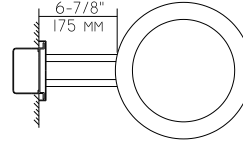
HSR-12125 HSR-12127



Representative Views:

(Right) With optional wall bracket (Option -WB)

(Left) With optional pendant mount (Option -PM)



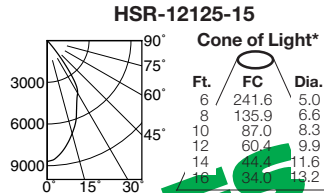
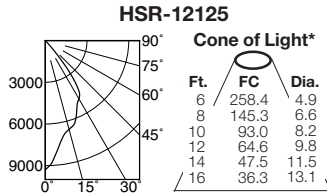
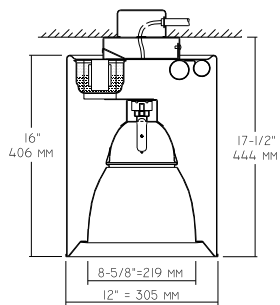
Cone of Light Key

- 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.

C.U. (Coefficients of Utilization) Tables are available on request. Please contact your Kirlin representative.

LIMITED WARRANTY: CATALOGUED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLLED TO N.E.C., IN NORMAL USE. Manufacturer at his option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture 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 or for any person or property, whether or not caused in whole or in part by the defective fixture, in any case. Manufacturer's express warranty is limited to the foregoing and does not constitute a warranty or approval of the fixture, or an indication of the fitness of the fixture for any particular application or use, or of the fitness of the fixture for any particular installation, or of the fitness of the fixture for any particular environment.

HSR-12125 150W



S/MH 0.8
EFFIC: 54.6%
ITL TEST #51487

CANDLEPOWER DISTRIBUTION	0.0 22.5 45.0 67.5 90.0				
	0	9302	9302	9302	9302
5	8272	8272	8272	8272	8272
15	6094	6094	6094	6094	6094
25	5376	5376	5376	5376	5376
35	3939	3939	3939	3939	3939
45	109	109	109	109	109
55	16	16	16	16	16
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

*LER = 30.8
*AEC = \$6.11

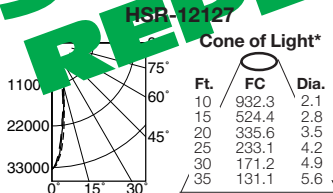
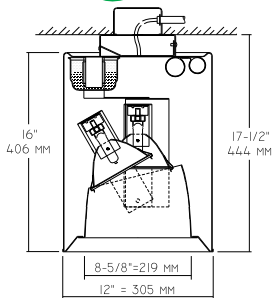
S/MH 0.8
EFFIC: 49.5%
ITL TEST #51486

CANDLEPOWER DISTRIBUTION	0.0 22.5 45.0 67.5 90.0				
	0	8698	8698	8698	8698
5	8387	8387	8387	8387	8387
15	6915	6915	6915	6915	6915
25	5007	5007	5007	5007	5007
35	2999	2999	2999	2999	2999
45	68	68	68	68	68
55	13	13	13	13	13
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

*LER = 35.6
*AEC = \$6.74

THESE FIXTURES ARE NO LONGER AVAILABLE FOR REPLACEMENT CONSULT FACTORY

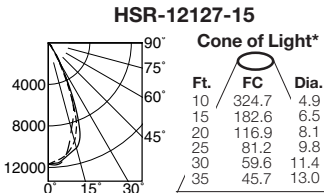
HSR-12127 150W



S/MH 0.4
EFFIC: 52.9%
ITL TEST #51489

CANDLEPOWER DISTRIBUTION	0.0 45.0 90.0 135.0 180.0				
	0	33564	33564	33564	33564
5	28707	28707	27310	25999	26123
15	11751	11694	11990	10977	10367
25	2604	2909	3370	3502	3263
35	264	338	461	503	461
45	49	82	107	124	115
55	16	25	33	25	16
65	0	0	16	25	16
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

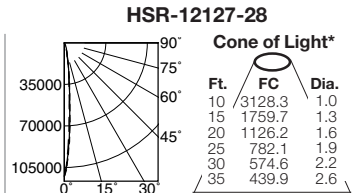
*LER = 38.0
*AEC = \$6.31



S/MH 0.8
EFFIC: 51.5%
ITL TEST #51488

CANDLEPOWER DISTRIBUTION	0.0 45.0 90.0 135.0 180.0				
	0	11689	11689	11689	11689
5	11306	11413	11570	11710	11718
15	9773	11199	10474	10745	8603
25	4384	5966	5142	5431	4697
35	643	972	898	1096	1137
45	82	132	148	190	247
55	16	25	33	25	33
65	16	16	16	33	49
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

*LER = 37.0
*AEC = \$6.48



S/MH 0.2
EFFIC: 52.3%
ITL TEST #51490

CANDLEPOWER DISTRIBUTION	0.0 45.0 90.0 135.0 180.0				
	0	11262	11262	11262	11262
5	5422	5694	5282	5126	4796
15	758	766	849	923	857
25	165	181	165	148	132
35	0	0	0	0	0
45	0	0	0	0	0
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

*LER = 37.6
*AEC = \$6.38

MULTIPLY CANDELA BY 10.0

ALL FIXTURE DRAWINGS SHOWN WITH OPTION -QM

* LER (Luminaire Efficacy Rating) = Luminaire Effic. x Total Lamp Lumens x Ballast Factor / Input Watts

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

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME
TYPE
WATTAGE
CATALOG NUMBER

VOLTAGE