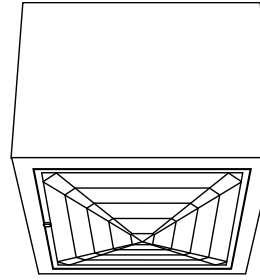


Surface Lensed E-Lamp Downlight: 50 to 200 Watt



14" 200W **HSS-14188**

Features

Lamp

- Designed for mogul base metal halide T-15 or E-lamps. See chart below for available wattages.
- See Option -43 and chart below for lower wattage or HPS availability.

Socket

- Pulse rated. Nickel-plated brass screw shell. Silicone leads. Glazed porcelain.
- Horizontal.

Reflector

- GlasSurfaced™ clear specular aluminum.

Trim Assembly

- UV absorbing tempered prismatic shock resisting spread Kirlin lens.
- Rustfree die-formed door and captive thumb screw(s). Concealed hinges.
- Beveled cast aluminum frame tooled to

ensure close fit with door. White acrylic finish.

Ballast Assembly: Specify Voltage

- WhisperPack™ fully encapsulated 180°C rated HPF pulse start ballast.
- 50-150 watt: Class H, high reactance for 120 volt, linear reactor for 277 volt.
- 175-200 watt: CWA for 120 volt and Options -65, -66, -HL; Class H, 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. Not for 480 volt.

Housing

- Tempered, rigid rustproof aluminum:

Exceeds 1000 hour ASTM 5% salt spray test.

- Cool: Dissipates heat across entire surface.
- No visible housing hardware.

Installation

- Center point mounting with snug fit to ceiling. Mounting hardware furnished.
- Indoor or outdoor for covered ceiling use. (See Option -89)

- Collar for mounting beneath surface outlet box available. (Option -60)

- Pendant mount available. (Option -PM)

- Wall bracket mount available. (Option -WB)

UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings. (See Option -89)

Three Year Limited Warranty

- Complete standard fixture, including ballast.

Wattage Availability

Catalog No.	Lamp/Base	Standard Wattage		Option -43: Lower Wattage		Max. Standby Wattage (-49-65-66-LS)
		Pulse MH	-24 (HPS)	Pulse MH	-24 (HPS)	
HSS-14188	T-15/ED-28/Mog	200 (T-15)	150	50-175	35-150	100

Options

Sources and Ballasts

- 24 HPS ballast instead. See wattage chart above for available wattages. Specify voltage.
- 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 availability in 175W or above, or 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.
- HL Hi-Lo wiring modification for use with external relay systems (by others). 175 watt or above. Specify system separately.
- LP With lamp. Specify source, wattage, color temperature, and clear or coated. (3700°K standard for metal halide)
- LS With T-4 DCB tungsten halogen standby lamp. Use only with Options -49, -65 or -66.

Lenses and Trims

- 15 Prismatic C#73 flat glass lens instead.
- 26 Tamperproof trim. One key / ten fixtures. See -27.
- 27 Clear 1/4" tempered glass beneath tempered prismatic C#73 flat glass lens for vandal resistance. Also see Option -26.
- 42 Drop polycarbonate prismatic lens.
- 46 Gasket between trim and lens.
- DG Drop Guard with tempered flat prismatic glass. Galvanized steel. White acrylic finish.
- TC Teflon coated safety lens; retains glass particles in event of breakage.

Luminaire (Housing) Finishes

- 35 Natural Aluminum enameled luminaire finish.
- 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.

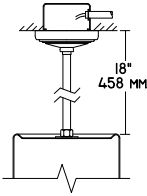
Mounting Options

- 54 Safety cable through pendant stem. 12" longer than specified stem length. Anchored to fixture. Use with Option -PM.
- 80 2" white extension collar for surface outlet box. 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.
- WB Wall bracket mount instead. Also see Option -89.

Other Options

- 19 Offset lamp position instead.
- 99 Special modification. Consult factory.

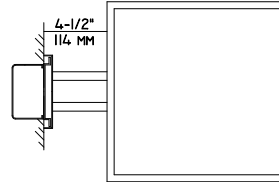
HSS-14188



Representative Views:

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

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



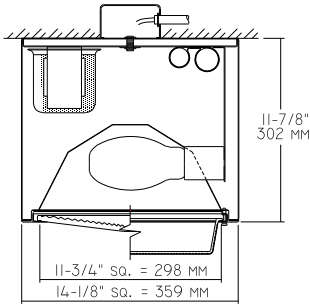
Cone of Light Key

- 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.

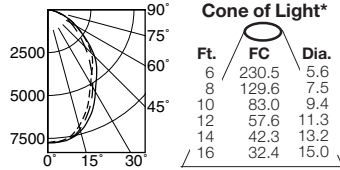
LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLED TO N.E.C. IN NORMAL USE. Manufacturer at its option will replace or repair such fixture or refund the purchase price upon presentation of a copy of this warranty to the manufacturer. This warranty does not cover damage to the fixture caused by misuse, abuse, or modification of the fixture without prior written authorization from the manufacturer will render the warranty void.

HSS-14188 200W



SEE OPTION -19 FOR OFFSET VERSION

HSS-14188 (Coated Lamp)

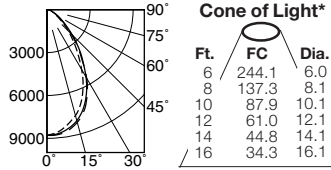


--- 0° S/MH 0.8 EFFIC: 74.0%
 --- 90° S/MH 1.0
 --- 180° S/MH 0.9

ITL TEST #51611
 *LER = 54.5 *AEC = \$4.40

CANDLEPOWER DISTRIBUTION	CANDLEPOWER DISTRIBUTION			
	0.0	45.0	90.0	180.0
0	8297	8297	8297	8297
5	8112	8069	8115	8234
15	6846	7050	7290	7337
25	4959	5482	5732	5950
35	3622	3725	4548	4068
45	2595	2334	3353	2625
55	1746	1478	2231	1648
65	1007	843	1306	913
75	468	405	607	422
85	132	118	177	119
90	41	39	54	41

HSS-14188-15 (Coated Lamp)

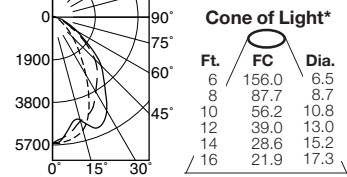


--- 0° S/MH 0.9 EFFIC: 71.9%
 --- 90° S/MH 1.0
 --- 180° S/MH 1.0

ITL TEST #51612
 *LER = 53.0 *AEC = \$4.63

CANDLEPOWER DISTRIBUTION	CANDLEPOWER DISTRIBUTION			
	0.0	45.0	90.0	180.0
0	8789	8789	8789	8789
5	8590	8625	8701	8733
15	7667	7789	8032	8160
25	6343	6325	6433	6806
35	4748	4377	4341	4829
45	3126	2460	2478	2743
55	2063	1180	1258	1153
65	502	604	613	672
75	307	328	312	357
85	100	111	99	123
90	0	0	0	0

HSS-14188-42 (Coated Lamp)



--- 0° S/MH 0.9 EFFIC: 59.0%
 --- 45° S/MH 1.0
 --- 90° S/MH 1.2

ITL TEST #52254
 *LER = 43.5 *AEC = \$5.52

CANDLEPOWER DISTRIBUTION	CANDLEPOWER DISTRIBUTION			
	0.0	22.5	45.0	90.0
0	5615	5615	5615	5615
5	5592	5583	5400	5426
15	5214	5136	4799	4699
25	3901	4073	4326	5033
35	2238	2622	3743	4205
45	1283	1598	2652	3182
55	679	965	1532	1685
65	367	531	695	819
75	215	275	325	407
85	102	136	159	165
90	76	105	123	119

THIS IS NO LONGER AVAILABLE FOR CONSULT FACTORY REPLACEMENT

* 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 _____ VOLTAGE _____
 CATALOG NUMBER _____