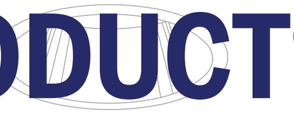
THIS PRODUCT IS NO LONGER AVAILABLE

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

Recessed Open Appearance Lensed E-Lamp Pulse Start Horizontal Downlight: 50 to 100 Watt



6" 100W

HRR-06041

Features

Lamp
- Designed for medium base metal halide E-lamps. See chart below for standard and optional wattages.
- See Option -43 and chart below for lower wattage or HPS availability.

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

Reflectors
- Upper: Ellipsoidal specular Alzak® aluminum.
- Lower: Low brightness parabolic specular Alzak aluminum, self-flanged.
- Fourteen optional lower reflector finishes.

Lens
- UV absorbing clear tempered 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.
- Visible and easily serviced in all ceilings including dry wall.

Fuse
- Fused primary. Renewable. Not on 347 volt.

Housing
- Acrylic enameled aluminum.
- Cool: Dissipates heat across entire surface area. Ventilated.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- Entire luminaire serviced from below through removable reflectors.

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 supplied (2).
- Fully adjustable universal mounting brackets supplied (2).
- Recesses indoor or outdoor in covered locations.

UL, C-UL (Canada) Listings
- Wet, damp or dry locations, covered ceilings.
- Through-branch circuit conductors (6 #12).

Three Year Limited Warranty
- Complete standard fixture, including ballast.

Thermal Protection
- Per current NEC.

Wattage / Lamp Availability and Cut-out Dimensions

Catalog No.	Lamp/Base	Standard Wattage Pulse MH	Standard Wattage -24 (HPS)	Option -43: Lower Wattage Pulse MH	Option -43: Lower Wattage -24 (HPS)	Max. Standby Wattage (-49-65-66-LS)	Ceiling Cut-Out Diameter
HRR-06041	ED-17/Med	100	100	50-70	35-70	100	6.5"

Options

Sources and Ballasts
- -24 HPS ballast instead. See wattage chart above for available wattages. Specify voltage.
- -39 Electronic dimming ballast instead, for pulse start metal halide. Consult factory for wattage and voltage availability.
- -96 Regulating electronic MH ballast instead.

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 instead. 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 source, wattage, color temperature, and clear or coated. (3700°K standard for metal halide) Consult factory for other color temperatures.
- -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 or cross baffle. (CP x .95)
- -31 White flange (only) on lower cone or cross baffle.
- -32 Trim extender. Broadens trim flange O.D. by 1" to cover larger ceiling opening.
- -45 Gasket above reflector flange. Stops dust streaks on ceiling.
- -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 .85)
- -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 or cross baffle. Consult factory.
- -OG OptiGroove black seamless tapered aluminum lower cone. White trim. (CP x .75)

Lenses
- -15 Prismatic C#73 flat glass lens instead.
- -ML UV absorbing tempered Microlux glass instead.

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

Other Options
- -99 Special modification. Consult factory.

KIRLIN

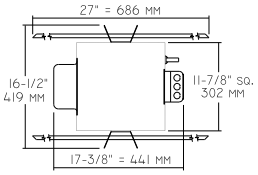
THE KIRLIN COMPANY
3401 EAST JEFFERSON AVENUE • DETROIT, MICHIGAN 48207-4232
(313) 259-6400 • Fax: (313) 259-9409 or (313) 259-3121 • www.kirlinlighting.com

KIRLIN *lighting since 1895*

Performance at a Glance

HRR-06041

Plan View

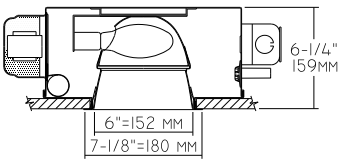


Cone of Light Key

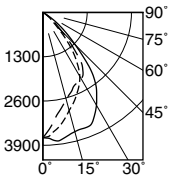
Ft. Distance from fixture
FC Footcandles (average)
Dia. Circle of light at 50% of FC
***** Dia. (in ft.) shown is where FC value is half the FC at nadir.

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

HRR-06041 100W



HRR-06041 (Coated Lamp)



Cone of Light*

Ft.	FC	Dia.
6	102.1	6.5
8	57.4	8.7
10	36.8	10.9
12	25.5	13.1
14	18.8	15.2
16	14.4	17.4

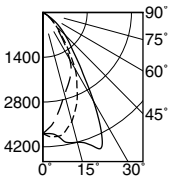
— — — 0° S/MH 0.9
——— 90° S/MH 1.2
— — 180° S/MH 0.8

EFFIC: 65.4%

ITL TEST #51956
***LER = 37.1**
•AEC = $6.47

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	3676	3676	3676	3676	3676
5	3521	3644	3769	3486	3278
15	2981	3382	3624	2983	2644
25	2466	3017	3490	2783	2308
35	1704	2205	2743	2164	2041
45	555	962	1344	962	804
55	154	279	376	285	168
65	4	6	6	7	6
75	0	1	1	2	2
85	0	0	0	0	0
90	0	0	0	0	0

HRR-06041-15 (Clear Lamp)



Cone of Light*

Ft.	FC	Dia.
6	105.2	6.6
8	59.2	8.8
10	37.9	11.0
12	26.3	13.2
14	19.3	15.4
16	14.8	17.6

— — — 0° S/MH 0.9
——— 90° S/MH 1.2
— — 180° S/MH 0.8

EFFIC: 60.7%

ITL TEST #51957
***LER = 36.2**
•AEC = $6.63

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	3786	3786	3786	3786	3786
5	2898	3938	3817	3580	3502
15	3530	4151	4202	3233	2657
25	2546	3813	4443	2998	2098
35	1376	1856	2050	1708	1196
45	571	752	990	778	545
55	191	260	357	298	245
65	6	7	11	11	11
75	0	1	3	3	3
85	0	0	0	0	0
90	0	0	0	0	0

*** 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

JOB NAME

TYPE

WATTAGE VOLTAGE

CATALOG NUMBER

APPROVAL STAMP