

Pendant Open and Lensed
"Pulse Start" Downlights
39 to 70 Watt

THIS PRODUCT IS NO LONGER AVAILABLE

Please consult

QUOTATIONS

for the best alternative.

6" 70W
6" 70W
6" 70W

HPR-06209
HPR-06211
HPR-06212

Features

Lamp

- Designed for medium base metal halide E-lamps (HPR-06209, HPR-06211) or T-6 bi-pin (HPR-06212). See chart below for standard and optional wattages.
- See Option -43 and chart below for lower wattage, or HPS availability.

Socket

- Pulse rated. Vertical. Silicone leads.
- Porcelain.
- E-lamp: Nickel plated brass screw shell.
- T-6: G12 bi-pin.

Reflector

- Specular Alzak® aluminum.
- HPR-06209: Self-flanged. Optional finishes.

Trim Assembly (HPR-06211, HPR-06212)

- Seamless tapered black OptiGroove with white self-flanged trim.

- UV absorbing tempered prismatic low brightness C#73 flat glass lens.
- Optional trims and lenses available.

Ballast Assembly: Specify Voltage

- Core and coil ballast supplied as standard.
- Electronic Class II, high inrush for 120V.
- Inductor for 277V.
- Capacitor and ignitor supplied.
- Dimming (-39) and electronic (-96) ballasts available. See Options.
- Socket on Silicone and Pulse Rated.
- Fused primary. Renewable. Not for 480 volt.

Housing

- Seamless white or black anodized aluminum.
- No visible cylinder hardware.

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

Installation

- Pendant mount. 3/8" T.S. x 18".
- For custom length or swivel canopy mount for sloped ceilings see Options -87, -88.
- Wall bracket mount available. (See Option -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)
- See our 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)	Fixture Style
		Pulse MH	-24 (HPS)	Pulse MH	-24 (HPS)		
HPR-06209	ED-17/Med	70	—	50	—	—	Open
HPR-06211	ED-17/Med	70	70	50	35-50	—	Lensed
HPR-06212	T-6/G12 bi-pin	70	—	39	—	—	Lensed

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 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 instead. Consult factory.

Lamps (See Chart)

- LP With lamp. Specify source, wattage, color temperature, and clear or coated.

Reflectors and Trims (Self-Flanged) (HPR-06209 only)

- 16 Champagne Gold specular Alzak reflector. (CP x .98)
- 30 All White reflector. (CP x .98)
- 63 Dune specular Alzak reflector. (CP x .97)
- 69 Wheat specular Alzak reflector. (CP x .97)
- 70 SoftTex Clear softly etched reflector. (CP x .98)
- 71 SoftTex Dune softly etched reflector. (CP x .95)
- 72 Black specular Alzak reflector. (CP x .87)
- 77 SoftTex Pewter softly etched reflector. (CP x .90)
- 90 SoftTex Champagne Gold softly etched reflector. (CP x .96)
- 91 SoftTex Wheat softly etched reflector. (CP x .95)
- 92 Umber specular Alzak reflector. (CP x .92)
- 93 Pewter specular Alzak reflector. (CP x .95)
- 94 Custom color reflector. Consult factory.
- OG OptiGroove black seamless tapered aluminum reflector. White trim. (CP x .90)

Lenses and Trims

(HPR-06211, HPR-06212 only)

- 27 Clear 1/4" tempered glass beneath prismatic C#73 flat glass lens for impact resistance.
- 40 White grooveless flare trim assembly instead.
- 45 Gasket between trim and housing.
- 46 Gasket between trim and lens.

- 94 Custom color trim assembly. Consult factory.
- FR Fresnel tempered lens 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.
- 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 use with pendant mount or Option -WB for Wet Label listing.
- WB Wall bracket mount instead. Also see Option -89.

Other Options

- 99 Special modification. Consult factory.

KIRLIN

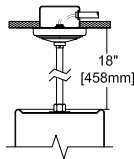
THE KIRLIN COMPANY

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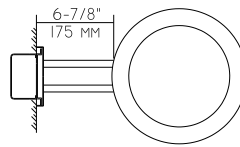
HPR-06209 HPR-06211 HPR-06212



Representative Views:

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

(Left) With standard pendant mount



Cone of Light Key

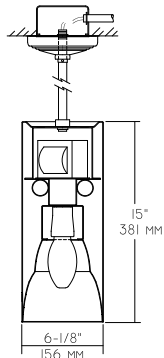
Ft. Distance from fixture
FC Footcandles (average)
Dia. Circle of light at 50% of FC
* Dia. (in ft.) shown is where FC value is half the FC at nadir.

SC = Spacing Criteria

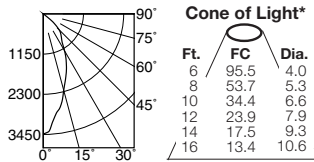
C.U. (Coefficients of Utilization) Tables are available on request. Please contact your Kirlin representative.

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLATION TO N.E.C. IS NOT NORMAL USE. Manufacturer at this option will replace or repair the 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 the user or others in connection with the use of the fixture. This warranty is void where prohibited by law. No other warranty, express or implied, shall constitute a part of or amend the specific warranty. Additional use, abuse or the fixture, improper installation, or repair, or modification of the fixture without prior written authorization from the manufacturer will render the warranty void.

HPR-06209 70W



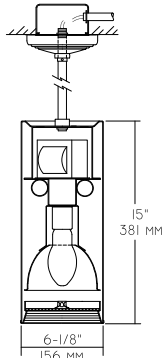
HPR-06209 (Coated Lamp)



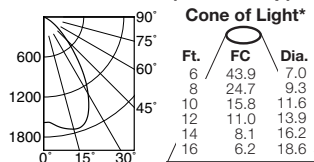
SC 0.7
EFFIC: 52.2%
ITL TEST #53677
***LER = 29.2**
***AEC = \$8.22**

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	3438	3438	3438	3438	3438
5	3098	3098	3098	3098	3098
15	2262	2262	2262	2262	2262
25	1562	1562	1562	1562	1562
35	927	927	927	927	927
45	641	641	641	641	641
55	8	8	8	8	8
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

HPR-06211 70W



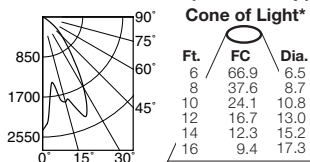
HPR-06211 (Clear Lamp)



SC 1.1
EFFIC: 47.2%
ITL TEST #37924
***LER = 27.9**
***AEC = \$8.60**

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	1582	1582	1582	1582	1582
5	1610	1610	1610	1610	1610
15	1740	1740	1740	1740	1740
25	1582	1582	1582	1582	1582
35	1036	1036	1036	1036	1036
45	493	493	493	493	493
55	204	204	204	204	204
65	50	50	50	50	50
75	6	6	6	6	6
85	0	0	0	0	0
90	0	0	0	0	0

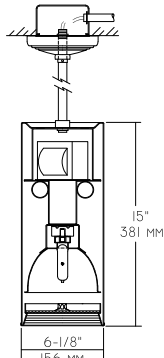
HPR-06211-FR (Clear Lamp)



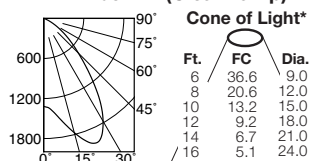
SC 1.0
EFFIC: 55.6%
ITL TEST #37923
***LER = 32.9**
***AEC = \$7.30**

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	2407	2407	2407	2407	2407
5	1761	1761	1761	1761	1761
15	1866	1866	1866	1866	1866
25	2223	2223	2223	2223	2223
35	1216	1216	1216	1216	1216
45	583	583	583	583	583
55	199	199	199	199	199
65	40	40	40	40	40
75	3	3	3	3	3
85	0	0	0	0	0
90	0	0	0	0	0

HPR-06212 70W



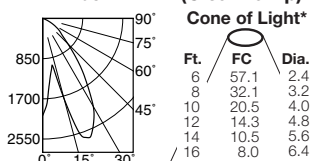
HPR-06212 (Clear Lamp)



SC 1.3
EFFIC: 52.0%
ITL TEST #53660
***LER = 34.7**
***AEC = \$6.92**

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	1318	1318	1318	1318	1318
5	1381	1381	1381	1381	1381
15	1773	1773	1773	1773	1773
25	2002	2002	2002	2002	2002
35	1442	1442	1442	1442	1442
45	735	735	735	735	735
55	332	332	332	332	332
65	93	93	93	93	93
75	13	13	13	13	13
85	1	1	1	1	1
90	0	0	0	0	0

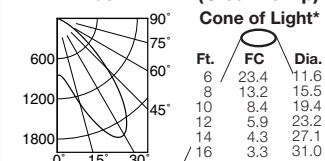
HPR-06212-FR (Clear Lamp)



SC 0.4
EFFIC: 60.0%
ITL TEST #53661
***LER = 40.0**
***AEC = \$6.00**

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	2055	2055	2055	2055	2055
5	1486	1486	1486	1486	1486
15	1754	1754	1754	1754	1754
25	2531	2531	2531	2531	2531
35	1598	1598	1598	1598	1598
45	756	756	756	756	756
55	415	415	415	415	415
65	148	148	148	148	148
75	11	11	11	11	11
85	0	0	0	0	0
90	0	0	0	0	0

HPR-06212-ML (Clear Lamp)



SC 1.6
EFFIC: 57.6%
ITL TEST #53659
***LER = 38.4**
***AEC = \$6.25**

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	843	843	843	843	843
5	880	880	880	880	880
15	1316	1316	1316	1316	1316
25	1929	1929	1929	1929	1929
35	1806	1806	1806	1806	1806
45	1054	1054	1054	1054	1054
55	420	420	420	420	420
65	115	115	115	115	115
75	9	9	9	9	9
85	0	0	0	0	0
90	0	0	0	0	0

* LER (Luminaire Efficacy Rating) = $\frac{\text{Luminaire Effic.} \times \text{Total Lamp Lumens} \times \text{Ballast Factor}}{\text{Input Watts}}$

* 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