

Decorative Pendant Mini-PAR Downlight with Uplight Effect

Features

Lamp

- Designed for 39 watt PAR 20 metal halide lamps.

Socket

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

Luminaire

- Four perpendicular .125" aluminum blades radially surround pendant.
- Two parallel 3" diameter .125" aluminum discs retain blades at 90°.
- Blades are seated into .08" grooves in spun aluminum trim ring.
- White anodized aluminum finish standard. See Options for other colors.
- Laser cut and welded aluminum construction.
- Rustproof. 50,000 hour AS/NZS 2880 salt spray test.

salt spray test.

Ballast Assembly

- Remote mount F-can (encapsulated) ballast with snap-on wiring compartment and mounting brackets. (10' maximum distance from lamp)
- Premium Class II high resistance, automatic thermal protection.
- Automatic forward or sequential voltages.

Fuse

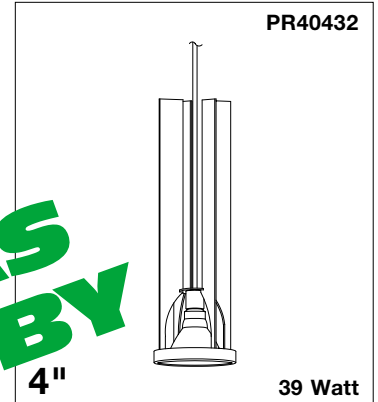
Contains 1/4 amp fuse.

Installation

- Pendant mount. 1/8" hole for custom length for canopy mount for sloped ceilings. See Options -87 and -88.

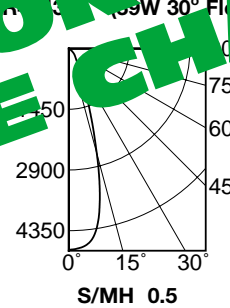
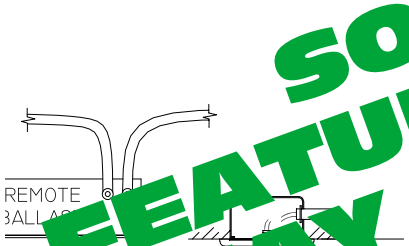
UL (Canada) Listings

- UL Type II for damp or dry locations, covered by UL E-1000.
- Three Year Limited Warranty.
- Complete set of instructions.

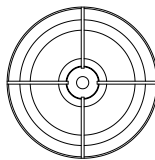
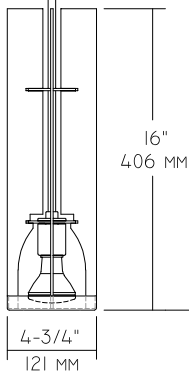


Designed for
39 Watt PAR 20
30° Medium Flood
10° Narrow Spot

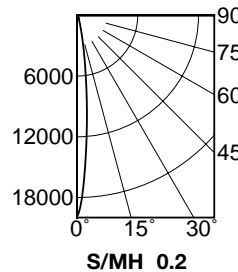
Performance at a Glance



Cone of Light*			Luminance Data	
Ft.	FC	Dia.	Angle	Average
6	133.6	3.2	45°	53939
8	75.2	4.2	55°	24076
10	48.1	5.3	65°	13485
12	33.4	6.3	75°	11010
14	24.5	7.4	85°	12575
16	18.8	8.5		(Candela/Sq. M)



PR40432 (39W 10° Spot)



Cone of Light*			Luminance Data	
Ft.	FC	Dia.	Angle	Average
6	552.4	1.2	45°	39679
8	310.7	1.6	55°	18344
10	198.9	2.0	65°	9855
12	138.1	2.4	75°	2541
14	101.5	2.7	85°	0
16	77.7	3.1		(Candela/Sq. M)

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. Distribution curves and S/MH data shown are 90° to lamp axis.

THE KIRLIN COMPANY

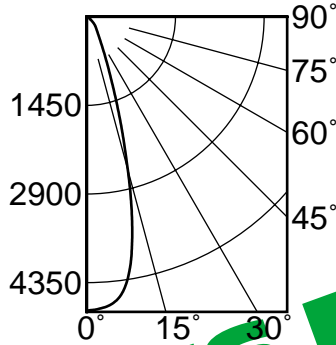
3401 EAST JEFFERSON AVENUE • DETROIT, MICHIGAN 48207-4232
(313) 259-6400 • Fax: (313) 259-9409 OR (313) 259-3121 • www.kirlinlighting.com

Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) FLOOD: TEST NUMBER 51244
SPOT: TEST NUMBER 51245

PR40432 39W 30° FLOOD
*LER = 44.1 *AEC = \$5.44

CANDLEPOWER DISTRIBUTION



	0.0	22.5	45.0	67.5	90.0
0	4810	4810	4810	4810	4810
5	4717	4717	4717	4717	4717
15	2591	2591	2591	2591	2591
25	699	699	699	699	699
35	301	301	301	301	301
45	174	174	174	174	174
55	63	63	63	63	63
7	26	26	26	26	26
7	13	13	13	13	13
85	5	5	5	5	5
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

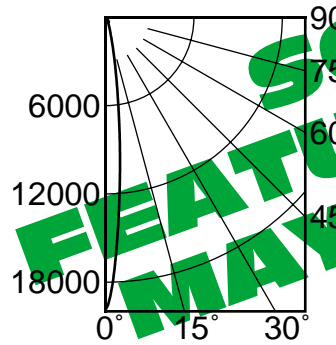
RF	20					50					
	0	10	50	30	10	0	10	50	30	10	
RC											
RW	109	106	104	102	100	99	97				
	104	99	96	93	95	92	90				
	3	99	93	89	85	90	86	83			
		95	88	83	80	85	81	78			
		91	84	78	75	81	77	74			
		87	79	74	71	77	73	70			
		7	84	76	71	67	74	70	66		
		81	72	67	64	71	67	63			
		78	69	64	61	68	64	61			
		10	75	67	62	59	66	61	58		

S/MH 0.5

EFFICIENCY = 95.6%

PR40432 39W 10° SPOT
*LER = 45.5 *AEC = \$5.28

CANDLEPOWER DISTRIBUTION



	0.0	22.5	45.0	67.5	90.0
0	19887	19887	19887	19887	19887
5	11161	11161	11161	11161	11161
15	1655	1655	1655	1655	1655
25	465	465	465	465	465
35	381	381	381	381	381
45	128	128	128	128	128
55	48	48	48	48	48
65	19	19	19	19	19
75	3	3	3	3	3
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

RF	20					50						
	70	50	30	10	50	30	10	70	50	30	10	
RW												
	113	111	109	107	105	103	102					
	109	102	101	98	100	97	95					
	104	99	95	92	96	92	90					
	101	95	90	87	92	88	86					
	97	91	86	83	88	85	82					
	94	87	83	79	85	81	79					
	91	84	80	76	82	79	76					
	89	81	77	74	80	76	73					
	86	79	74	72	78	74	71					
	84	77	72	70	76	72	69					

S/MH 0.2

EFFICIENCY = 98.5%

* LER = Luminaire Efficacy Rating

LER = $\frac{\text{Luminaire Effic.} \times \text{Total Lamp Lumens} \times \text{Ballast Factor}}{\text{Input Watts}}$

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

Options

- 35 Silver enameled luminaire finish instead.
- 36 Gold enameled luminaire finish instead.
- 37 Dark Bronze enameled luminaire finish instead.
- 38 Black enameled luminaire finish instead.
- 58 277 volt 60 Hz. ballast instead.

- 87 Custom -PM length. Specify up to 6 feet maximum.
- 88 Swivel canopy for sloped ceilings up to 45°. Earthquake rated.
- 94 Custom color luminaire and pendant. Consult factory.
- 96 Regulating electronic MH ballast instead.

- 99 Special modification. Consult factory.
- LP With lamp. Specify wattage, beam spread, style (PAR 20), brand and color temperature.

SUBMITTAL DATA

JOB NAME _____

TYPE _____

WATTAGE _____ VOLTAGE _____

CATALOG NUMBER _____

APPROVAL STAMP

LIMITED WARRANTY: CATALOGUED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLATION, NORMAL USE, MANUFACTURER AT THE OPTION WILL REPAIR OR REPLACE SUCH FIXTURE OR REPAIR THE PURCHASE PRICE OR 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 REPAIR, AND MANUFACTURER SHALL NOT BE LIABLE FOR ANY OTHER DAMAGES, DIRECT OR INDIRECT, SUSTAINED OR SUFFERED BY PURCHASER OR ANY PERSON. THIS WARRANTY IS SUPPLIED FROM THE MANUFACTURER AND WILL COVER THE WARRANTY ONLY.