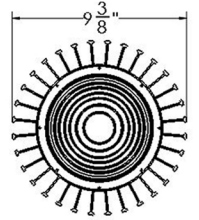


36° Pendant Light



ELECTRICAL ETL listed with Universal AC input 100 to 277 V. 50/60 Hz. Limited inrush current allows up to twelve fixtures on a 20 Amp circuit. Quiescent power is less than a Watt with fixture powered on and DMX at level zero. The LED driver has a 320,000 hour mean time between failures.

DIMMING CONTROL Extremely smooth DMX controlled dimming all the way to zero output level. Single channel DMX controlled, with up to 16.7 million interpolated steps from off to full intensity. 30,000 Hz output produces no flicker to the eye or video with either line scan or global shutter cameras. DMX input is fully isolated to 2500 Volts per microsecond. Three easy-to-use rotary switches for setting the DMX address.

LED MODULE The 60 individual Cree LEDs are carefully selected to maintain minimal color variance from fixture to fixture. Pleasing full spectrum light with all the visible colors represented. All LED modules and dimmers are manufactured at The Light Source in Charlotte, NC. Extensive production testing ensures over 105,000 hour life to L70. No appreciable IR or UV is produced by the LED module. The LED Module is field replaceable utilizing normal hand tools.

OPTICAL Single source LED emulates the look and feel of an incandescent fixture. 6" diameter tempered borosilicate glass Fresnel lens produces an extremely smooth light beam. The beam center intensity value spreads evenly to the edge of the beam with a small field, producing low glare.

THERMAL Incredible thermal management keeps the LEDs cool, providing increased brightness and Lumen maintenance. Maximum heat exchange provided with a huge passive convection-cooled aluminum heat sink. Silent operation with no fans to generate noise. Maximum ambient operating temperature is 122 degrees F (50 degrees C).

WARRANTY 10 year parts replacement on complete LED fixture and electronics. Ship the LED fixture to the factory freight prepaid. The LED fixture will be repaired or replaced at the factory's option, and returned freight prepaid. Fixture repair parts may also be sent for qualified repairs onsite.

Damage from improper wiring, installation, and lightning are excluded from warranty repair.

AGENCY RATINGS

ETL listed in US and Canada



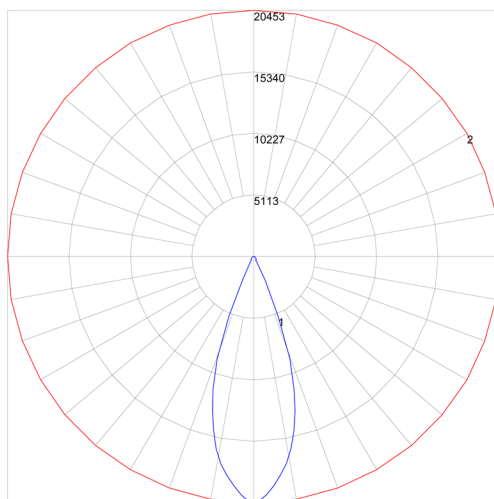
Catalog Number Example: HL100B36-30PXM

FIXTURE SERIES	INPUT WATTAGE	FINISH	OPTICAL BEAM ANGLE	-	LED COLOR TEMPERATURE
HL Pendant	100	B Black Anodized	78 78° 6" Fresnel lens		27K 2700 Kelvin
	120		65 65° 6" Fresnel lens		30K 3000 Kelvin
	150		52 52° 6" Fresnel lens		35K 3500 Kelvin
			44 44° 6" Fresnel lens		40K 4000 Kelvin
			36 36° 6" Fresnel lens		50K 5000 Kelvin
			30 30° 6" Fresnel lens		56K 5600 Kelvin
			25 25° 6" Fresnel lens		60K 6000 Kelvin
			20 20° 6" Fresnel lens		

POWER CONNECTION	DATA CONNECTION	FIXTURE SUPPORT METHOD	-	LED Module
C Conduit into Fixture 100-277V	D DivCon System	C 1/2" Rigid Conduit		
D DivCon System 100-277V	I IDC Plug on Header	D DivCon System		
P Panel Mount Powercon 100-250V	J External RJ-45's	K 1/8" Wire Rope		
R 1/2" Romex Cable Clamp 100-277V	N Non Dimming Fixture - No Data	M Mega-Clamp		
W 18/3 SJO 72" Wire Whip 100-277V	T Screw Terminal Plug on Header	P Purlin Clamp		
	W Wireless Lumen Radio Control	U 1/2" Adapter Post		
	X External 5 Pin XLR's	V 3/8" Adapter Post		
	Z External 3 Pin XLR's			

36°
White

POLAR GRAPH



Maximum Candela = 20453 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7682
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	100.59
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.62
Spacing Criterion (90-270)	0.62
Spacing Criterion (Diagonal)	0.58
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.48 ft (Diameter)
Luminous Width (90-270)	0.48 ft (Diameter)
Luminous Height	0.00 ft

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	114	111	108	106	111	109	107	105	105	103	101	101	100	98	96	95	94				
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88			
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84			
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80			
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76			
6	92	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73			
7	89	81	76	72	88	81	76	72	79	75	72	78	74	72	77	74	71	70			
8	86	78	73	69	85	77	73	69	76	72	69	75	71	69	74	71	68	67			
9	83	75	70	67	82	74	70	66	74	69	66	73	69	66	72	68	66	65			
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	63	62			

IES INDOOR REPORT

PHOTOMETRIC FILENAME :
L101404104R02.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	24793	24793	24793
55	21344	21344	21344
65	16452	16452	16452
75	15843	15843	15843
85	31366	31366	31366

CANDELA TABULATION

	0
0.0	20453
1.0	20344
3.0	19848
5.0	19116
7.0	18288
9.0	17413
11.0	16254
13.0	14857
15.0	13271
17.0	11497
19.5	9002
22.5	5359
25.5	2180
29.0	651
33.0	345
37.5	323
42.5	315
47.5	275
55.0	206
65.0	117
75.0	69
85.0	46
90.0	0

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	5170.05	N.A.	67.30
0-30	6769.59	N.A.	88.10
0-40	6977.18	N.A.	90.80
0-60	7358.06	N.A.	95.80
0-80	7606.96	N.A.	99.00
0-90	7681.57	N.A.	100.00
10-90	6236.62	N.A.	81.20
20-40	1807.12	N.A.	23.50
20-50	2033.86	N.A.	26.50
40-70	534.07	N.A.	7.00
60-80	248.90	N.A.	3.20
70-80	95.71	N.A.	1.20
80-90	74.61	N.A.	1.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	7681.57	N.A.	100.00

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1444.96
10-20	3725.1
20-30	1599.54
30-40	207.59
40-50	226.73
50-60	154.15
60-70	153.18
70-80	95.71
80-90	74.61
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

Total Luminaire Efficiency = N.A.%