

Project
Schedule / Date
Notes
Catalog Number

Product Description

naturalLED® Corn Lamps are an easy LED replacement for HID and CFL Lamps. These lamps have an integrated driver, dissipate heat (without the use of a fan) and do not use a ballast. Available in E26 and EX39 Base, with wattage options ranging from 20W, 24W, 36W, 54W, 80W, and 100W.

naturalLED® Corn Lamps feature a high lumen output and are perfect solutions for industrial, commercial & residential applications.

IP65
outdoor rated

FOR WET Location



Features & Benefits

- ▶ DLC Qualified
- ▶ IP65 Rated
- ▶ Integrated Ballast (By-Pass)
- ▶ Universal Position
- ▶ Enclosed fixture rated
- ▶ Suitable for enclosed fixtures
- ▶ Contains no mercury or lead
- ▶ Noise-free design
- ▶ Surge Protected to 6000 Volts
- ▶ UL/cUL Listed
- ▶ Rated 50,000 hours average life

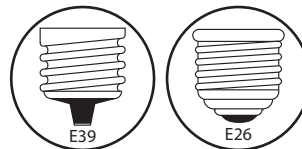
Specifications

- ▶ Voltage: 120-277V
- ▶ Power Factor >0.9
- ▶ Beam Angle: 360°
- ▶ Operating temperature: -4°F ~ 122°F

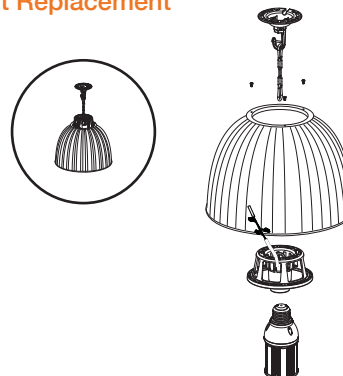
Applications

- ▶ High Bay Lamp
- ▶ Ceiling Lamp
- ▶ Garden Lamp
- ▶ Commercial Buildings
- ▶ Parking Garages
- ▶ Post Top

Base Type



Direct Replacement

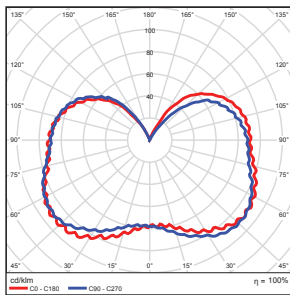


Ordering Information

Code	Description	CCT	Watt	Lumen	Equiv Wattage	Base	Voltage	Beam Angle	Rated Hrs	IP65	DLC
E26	5965	LED20HID/E26/220L/827	20	2,200	70	E26	120-277V	360°	50,000	•	
	5966	LED20HID/E26/220L/850	200	2,200	70	E26	120-277V	360°	50,000	•	
	4515	LED24HID/E26/270L/830	24	2,700	100	E26	120-277V	360°	50,000	•	
	4516	LED24HID/E26/300L/850	24	3,000	100	E26	120-277V	360°	50,000	•	
EX39	4517	LED36HID/EX39/420L/850	36	4,200	150	EX39	120-277V	360°	50,000	•	•
	4518	LED54HID/EX39/570L/830	54	5,700	250	EX39	120-277V	360°	50,000	•	•
	4519	LED54HID/EX39/630L/850	54	6,300	250	EX39	120-277V	360°	50,000	•	•
	4520	LED80HID/EX39/860L/850	80	8,600	320	EX39	120-277V	360°	50,000	•	•
	4521	LED100HID/EX39/1200L/850	100	12,000	400	EX39	120-277V	360°	50,000	•	•

Photometric Data

20W - E26 Base



Zonal Lumen Summary

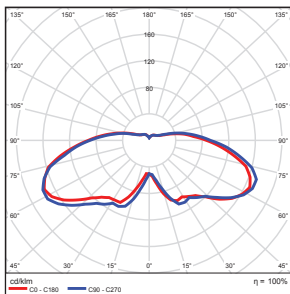
Zone	Lumens	% Luminaire
0-30	143.36	7.50
0-40	266.38	13.90
0-60	615.02	32.10
60-80	392.32	20.50
70-80	194.54	10.20
90-120	497.77	26.00
90-180	719.07	37.50
0-180	1915.34	100.00

Total Luminaire Efficiency = 100.00%

Illuminance at a Distance

	Center Beam fc	Beam Width
17.0ft	0.52 fc	
34.0ft	0.13 fc	
51.0ft	0.06 fc	
68.0ft	0.03 fc	
85.0ft	0.02 fc	
102.0ft	0.01 fc	

24W - E26 Base



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	155.72	7.50
0-40	294.08	14.20
0-60	774.52	37.50
60-80	676.18	32.70
70-80	331.57	16.00
90-120	295.42	14.30
90-180	365.86	17.70
0-180	2066.82	100.00

Total Luminaire Efficiency = 100.00%

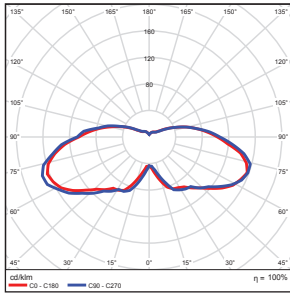
Illuminance at a Distance

	Center Beam fc	Beam Width
17.0ft	0.36 fc	72.7 ft
34.0ft	0.09 fc	145.5 ft
51.0ft	0.04 fc	218.2 ft
68.0ft	0.02 fc	291.0 ft
85.0ft	0.01 fc	363.7 ft
102.0ft	0.01 fc	436.4 ft

■ Horiz. Spread: 129.9°

Photometric Data

36W - EX39 Base



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	204.33	6.40
0-40	395.09	12.40
0-60	1054.84	33.00
60-80	998.54	31.20
70-80	511.88	16.00
90-120	610.97	19.10
90-180	717.54	22.40
0-180	3198.6	100.00

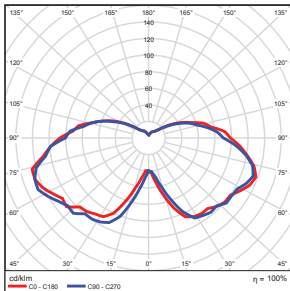
Total Luminaire Efficiency = 100.00%

Illuminance at a Distance

	Center Beam fc	Beam Width
17.0ft	0.48 fc	15.9 ft
34.0ft	0.12 fc	31.8 ft
51.0ft	0.05 fc	47.6 ft
68.0ft	0.03 fc	63.5 ft
85.0ft	0.02 fc	79.4 ft
102.0ft	0.01 fc	95.3 ft

■ Horiz. Spread: 50.1°

54W - EX39 Base



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	351.92	7.10
0-40	700.73	14.20
0-60	1707.23	34.50
60-80	1367.59	27.60
70-80	698.73	14.10
90-120	1058.34	21.40
90-180	1275.29	25.80
0-180	4951.38	100.00

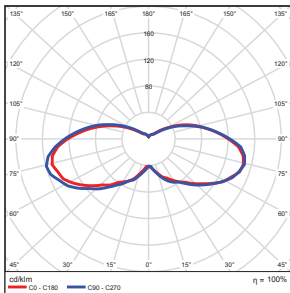
Total Luminaire Efficiency = 100.00%

Illuminance at a Distance

	Center Beam fc	Beam Width
17.0ft	0.68 fc	16.5 ft
34.0ft	0.17 fc	33.1 ft
51.0ft	0.08 fc	49.6 ft
68.0ft	0.04 fc	66.1 ft
85.0ft	0.03 fc	82.7 ft
102.0ft	0.02 fc	99.2 ft

■ Horiz. Spread: 51.9°

80W - EX39 Base



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	365.97	5.20
0-40	723.57	10.20
0-60	2014.19	28.40
60-80	2069.06	29.20
70-80	1099.91	15.50
90-120	1686.35	23.80
90-180	1959.65	27.70
0-180	7080.01	100.00

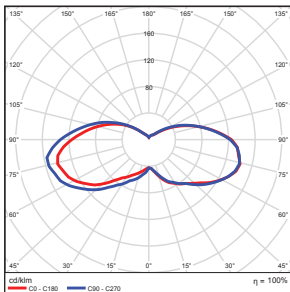
Total Luminaire Efficiency = 100.00%

Illuminance at a Distance

	Center Beam fc	Beam Width
17.0ft	1.01 fc	13.6 ft
34.0ft	0.25 fc	27.2 ft
51.0ft	0.11 fc	40.8 ft
68.0ft	0.06 fc	54.4 ft
85.0ft	0.04 fc	68.1 ft
102.0ft	0.03 fc	81.7 ft

■ Horiz. Spread: 43.6°

100W - EX39 Base



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	453.40	5.00
0-40	892.01	9.90
0-60	2474.63	27.50
60-80	2526.68	28.10
70-80	1344.43	15.00
90-120	2261.29	25.20
90-180	2688.62	29.90
0-180	8989.08	100.00

Total Luminaire Efficiency = 100.00%

Illuminance at a Distance

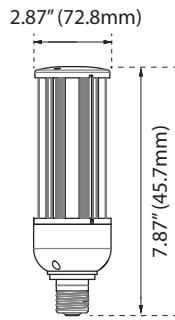
	Center Beam fc	Beam Width
17.0ft	1.32 fc	34.0 ft 15.6 ft
34.0ft	0.33 fc	68.0 ft 31.1 ft
51.0ft	0.15 fc	102.0 ft 46.7 ft
68.0ft	0.08 fc	136.0 ft 62.3 ft
85.0ft	0.05 fc	170.0 ft 77.8 ft
102.0ft	0.04 fc	204.0 ft 93.4 ft

■ Vert. Spread: 90.0°
■ Horiz. Spread: 49.2°

Product Dimension

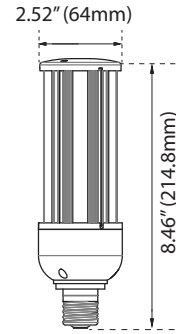
20W-E26

Weight: 1.24-lbs



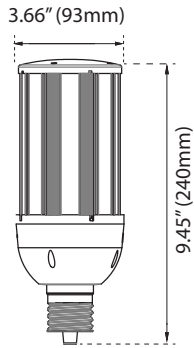
24W-E26

Weight: 1.54-lbs



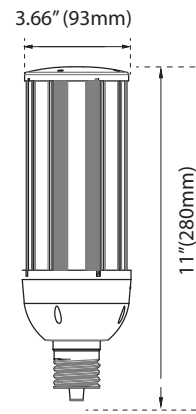
36W-EX39

Weight: 1.98-lbs



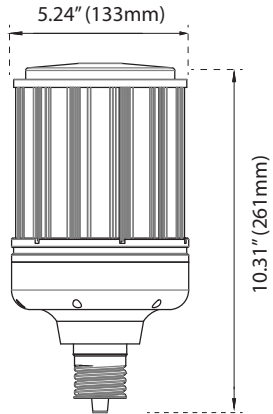
54W-EX39

Weight: 2.35-lbs



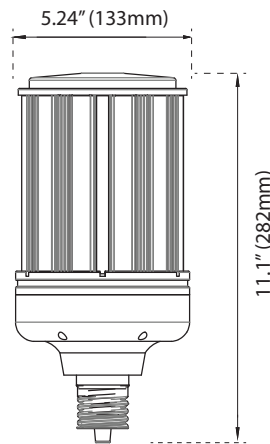
80W-EX39

Weight: 4.20-lbs

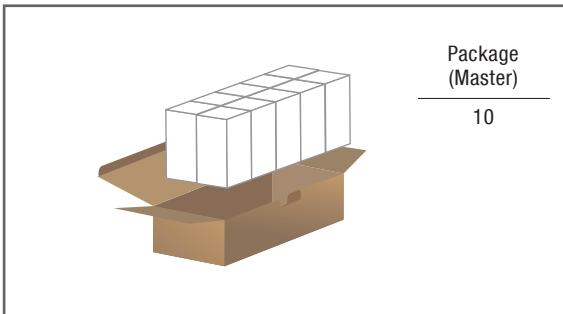


100W-EX39

Weight: 4.58-lbs



Package



Package
(Master)

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