

HID RETROFIT INTEGRATED BALLAST

PROJECT: _____

SCHEDULE: _____ DATE: _____

PREPARE BY: _____

NOTES: _____

DESCRIPTION

naturaLED® 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) with extended aluminum heatsink. Available in E26 and EX39 base, with wattage options ranging from 18W, 27W, 36W, and 80W. naturaLED® Corn lamps feature a high lumen output and are perfect solutions for industrial, commercial & residential applications.



APPLICATIONS

High Bay, Ceiling, Garden, Commercial Building, Parking Garage, Post top



Rated Life Hours 50,000
Warranty 5 Years

FEATURES

- DLC Standard
- IP64 Rated
- UL Listed
- ColorTemp: 5000K
- Voltage: 120-277V (By-pass ballast)
- Input Current: 18W=0.18A, 27W=0.23A, 36W=0.31A, 80W=0.67A
- Power Factor: >0.9
- Surge Protection: 18W/27W/36W=2KV, 80W=4KV
- Beam Angle: 360°
- CRI: >80
- Operating temperature: - 40°F - 113°F
- 5Year Warranty
- 50,000 hrs rated average life

DIRECT REPLACEMENT

BASE



Need to bypass ballast



SAMPLE NUMBER LED36HID/EX39/558L/850

| STYLE | WATTAGE | SERIES | BASE | LUMENS | CRI | COLOR TEMP |
|--------------|---------|----------|-----------|----------------|--------|------------|
| LED | 36 | HID | EX39 | 558L | 8 | 50 |
| LED Lighting | 36 Watt | HID Lamp | EX39 Base | < 5,580 Lumens | CRI 80 | 5000K |



HID Retrofit Integrated Ballast

Cornlights

ORDERING

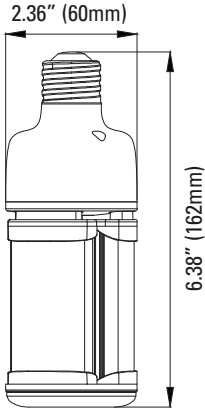
*P= Premium DLC / *S = Standard DLC

| Watts (W) | Ordering Code | Description | CCT (K) | Bare Lamp Lumens (Lm) | Lumens (Lm)* | Equiv. Wattage (W) | Base | IP64 Rated | DLC (S/P) |
|-----------|---------------|-------------------------|---------|-----------------------|--------------|--------------------|------|------------|-----------|
| 18 | 4609 | LED18HID/E26/279L/850 | 5000K | 2,790 | 2,790 | 50-150 | E26 | • | - |
| 27 | 4610 | LED27HID/EX39/418L/850 | 5000K | 4,180 | 3,481 | 150 | EX39 | • | S |
| 36 | 4611 | LED36HID/EX39/558L/850 | 5000K | 5,580 | 4,450 | 200-250 | EX39 | • | S |
| 80 | 4612 | LED80HID/EX39/1240L/850 | 5000K | 12,400 | 9,980 | 400 | EX39 | • | S |

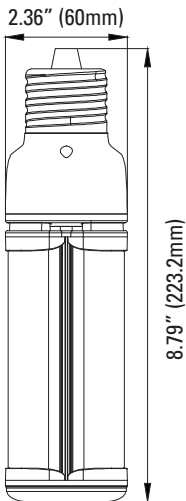
*Lumens are tested in light luminaire

DIMENSIONS

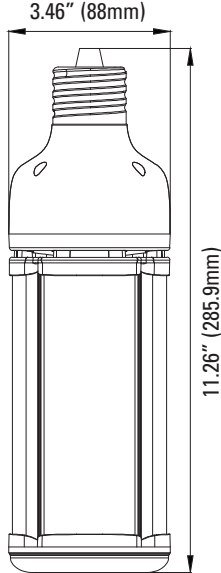
18W (E26)
0.64-lbs



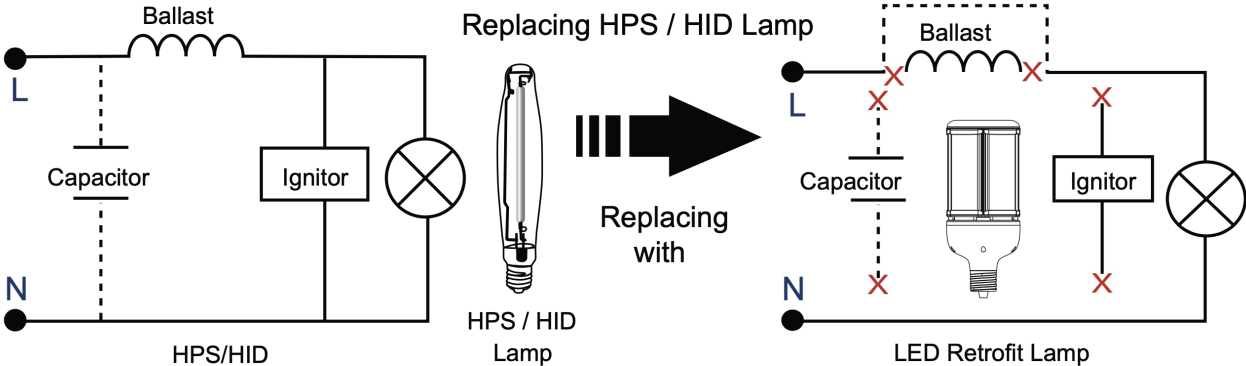
27W/36W (EX39)
0.88-lbs



80W (EX39)
2.31-lbs



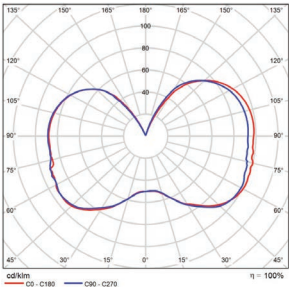
INSTALLATION



*Remove/bypass all ballast, capacitor, and ignitor

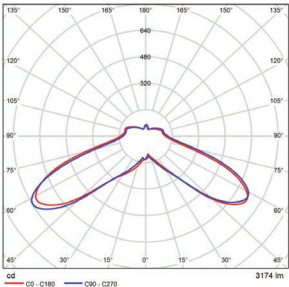
PHOTOMETRICS CHART

18 Watt



| Illuminance at a Distance | | Beam Width |
|---------------------------|---------|------------|
| Center Beam fc | | |
| 2.5R | 22.2 fc | |
| 5.0R | 5.55 fc | |
| 7.5R | 2.47 fc | |
| 10.0R | 1.39 fc | |
| 12.5R | 0.89 fc | |
| 15.0R | 0.62 fc | |

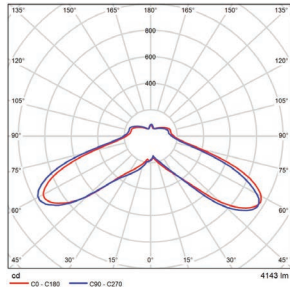
27 Watt



| Illuminance at a Distance | | Beam Width |
|---------------------------|---------|-----------------|
| Center Beam fc | | |
| 2.5R | 22.4 fc | 8.6 ft 1.7 ft |
| 5.0R | 5.60 fc | 17.3 ft 3.5 ft |
| 7.5R | 2.49 fc | 25.9 ft 5.2 ft |
| 10.0R | 1.40 fc | 34.6 ft 6.9 ft |
| 12.5R | 0.90 fc | 43.2 ft 8.7 ft |
| 15.0R | 0.62 fc | 51.9 ft 10.4 ft |

Vert. Spread: 119.9°
Horiz. Spread: 38.2°

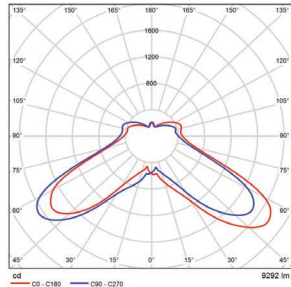
36 Watt



| Illuminance at a Distance | | Beam Width |
|---------------------------|---------|-----------------|
| Center Beam fc | | |
| 2.5R | 28.6 fc | 2.3 ft 9.8 ft |
| 5.0R | 7.15 fc | 4.5 ft 19.7 ft |
| 7.5R | 3.18 fc | 6.8 ft 29.5 ft |
| 10.0R | 1.79 fc | 9.1 ft 39.3 ft |
| 12.5R | 1.14 fc | 11.3 ft 49.2 ft |
| 15.0R | 0.79 fc | 13.6 ft 59.0 ft |

Vert. Spread: 48.8°
Horiz. Spread: 126.1°

80 Watt



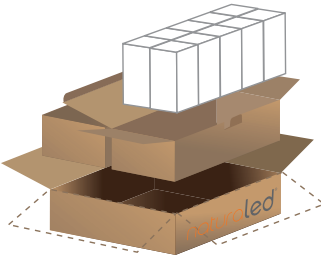
| Illuminance at a Distance | | Beam Width |
|---------------------------|---------|-----------------|
| Center Beam fc | | |
| 2.5R | 88.4 fc | 1.8 ft 6.9 ft |
| 5.0R | 22.1 fc | 3.6 ft 13.8 ft |
| 7.5R | 9.82 fc | 5.4 ft 20.7 ft |
| 10.0R | 5.52 fc | 7.2 ft 27.6 ft |
| 12.5R | 3.54 fc | 8.9 ft 34.5 ft |
| 15.0R | 2.46 fc | 10.7 ft 41.4 ft |

Vert. Spread: 39.4°
Horiz. Spread: 108.1°

*27W /36W/ 80W are tested in light luminaire

PACKAGE

Case Qty 20 pcs
(10 for inner package)
(E26 Base)



Case Qty 10 pcs
(EX39 Base)

