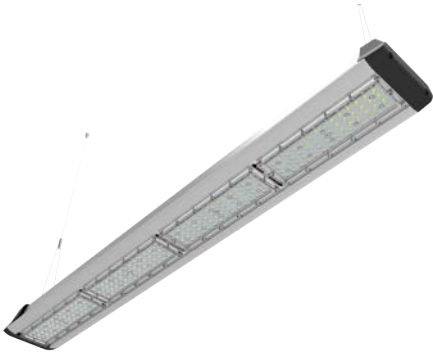


# Product Specifications



## LED High Bay

200W Nastro LED High Bay

EO-LN-200

EO-LN-200T

EO-LN-200HV

EO-LN-200HVT

DLC Part # PLT/E2402

### FEATURES

- Linear Design
- System Light Efficacy >100 LPW
- Easy Installation & Maintenance
- IP65
- Five Years Warranty
- ETL, CE, RoHS, CB, WEEE

### TYPICAL APPLICATIONS

- Warehouse/Manufacturing Facilities
- Convention Centers/Sporting Arenas
- Big-Box Retail Stores
- Cold Storage Facilities
- Gymnasiums

### SPECIFICATIONS

#### PERFORMANCE

|                    |  |
|--------------------|--|
| LED Chip           | OSRAM  |
| Lumen Output (IES) | 20,000 lm  |
| Power Consumption  | 200 W  |
| Efficacy (IES)     | >100 lm/W  |
| Beam Angle         | 90°, 30×100°   |
| Color Temperature  | 4500~5500K (2500~5500K Optional)                         |
| CRI                | ≥80  |
| Lumen Maintenance  | L70>100,000 hours<br>(Calculated Using TM-21 Calculator) |
| Input Voltage      | 100-277 VAC (347/480 VAC Optional)<br>Dimming Optional   |
| Power Factor       | 0.95 minimum   |

#### ENVIRONMENTAL

|                       |                            |
|-----------------------|----------------------------|
| IP Rating             | IP65                       |
| Operating Temperature | -30 to 45°C (-22 to 113°F) |
| Humidity              | 15% to 90% RH              |

#### PHYSICAL

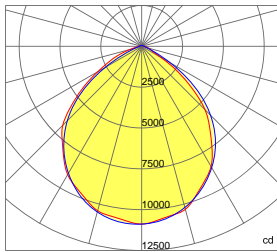
|                    |                                  |
|--------------------|----------------------------------|
| Dimensions (L×W×H) | 1240×159×95 mm (48.8×6.3×3.7 in) |
| Weight             | 8.8 kg (19.4 lbs)                |
| Mounting Options   | Chain Mount<br>Surface Mount     |
| Fixture Material   | Aluminum Alloy                   |

#### WARRANTY

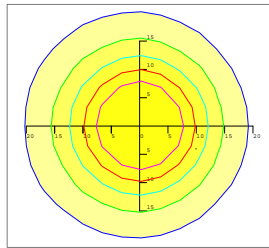
5 Years

Photometrics

90 DEGREE LENS



— 0.0~180.0  
 — 90.0~270.0

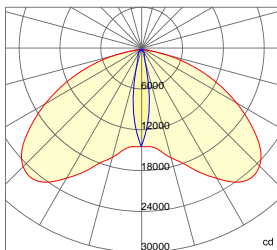


Mounting Hight 20m, 0 Tilt,  
 50LUX-5LUX

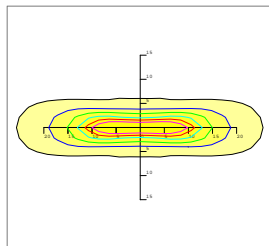
| Illumination-90 Degree Beaming Angle |               |        |
|--------------------------------------|---------------|--------|
| Height                               | Beam Diameter | LUX    |
| 7m                                   | φ 19m         | 135LUX |
| 8m                                   | φ 23m         | 105LUX |
| 9m                                   | φ 24m         | 84LUX  |
| 10m                                  | φ 28m         | 68LUX  |
| 11m                                  | φ 31m         | 31LUX  |

|                       |           |
|-----------------------|-----------|
| Beam Angle (50% max)  | 90 DEG    |
| Field Angle (10%)     | 130 DEG   |
| Luminous Flux (IES)   | 20,000 lm |
| Light Efficacy (IES)  | >100 lm/W |
| UGR                   | 27        |
| Cutoff Classification | Cutoff    |

30×100 DEGREE LENS



— 0.0~180.0  
 — 90.0~270.0



Mounting Hight 12m, 0 Tilt,  
 50LUX-5LUX

| Illumination-30/100 Degree Beaming Angle |                        |        |
|--|------------------------|--------|
| Height                                   | Rectangular Light Spot | LUX    |
| 8m                                       | 4 × 15m                | 265LUX |
| 9m                                       | 4 × 17m                | 209LUX |
| 10m                                      | 4 × 19m                | 169LUX |
| 11m                                      | 5 × 21m                | 139LUX |
| 12m                                      | 5 × 22m                | 117LUX |

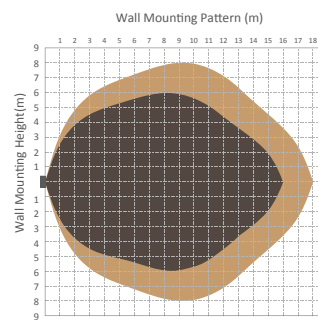
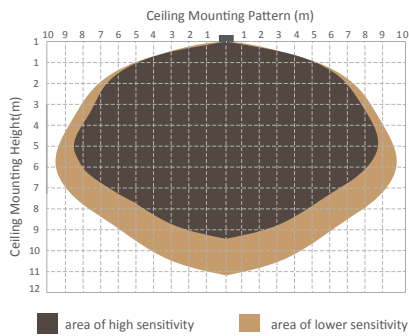
|                       |             |
|-----------------------|-------------|
| Beam Angle (50% max)  | 30×100 DEG  |
| Field Angle (10%)     | 50×120 DEG  |
| Luminous Flux (IES)   | 20,000 lm   |
| Light Efficacy (IES)  | >100 lm/W   |
| UGR                   | 11/38       |
| Cutoff Classification | Semi-Cutoff |

# Microwave Sensor & Dimmer Option



| Technical Data        |   |                     |                           |
|-----------------------|---|---------------------|---------------------------|
| Operating voltage     | 120-277V  | Standby power       | approx. 0.5W              |
| Switched power        | Max.capacitive load: 800W @277V, 400W@120V            | Warm time           | 20s                       |
| Detection area        | 10/50/75/100%, can be customized                      | Sensor principle    | Microwave motion detector |
| Hold time             | 5S/30S/1min/5min/10min/20min/30min, can be customized | Microwave frequency | 5.8GHz+/-75MHz            |
| Standby period        | 0s/10s/1min/5min/10min/30min/1h/+∞can be customized   | Microwave power     | <0.2mw                    |
| Standby dimming level | 10%/20%/30%/50% can be customized                     | Detection range     | Max. (φxH):18m x 10m      |
| Daylight threshold    | 2~50lux daylight/twilight/darkness, can be customized | Detection angle     | 30° ~ 150°                |
| Operating temperature | -35°C ~ +70°C   | Mounting height     | Max.10m                   |
| IP rating             | IP20, IP65(mounting in Hytronik special box)          | Certificate         | ETL, FCC                  |

## Detection Pattern



## Setting

|      | Detection Area |   |      | Hold-time |   |   | Daylight Sensor |   |   | Stand-by Period (Corridor function) |   |   | Stand-by Dimming Level |       |   |   |     |
|------|----------------|---|------|-----------|---|---|-----------------|---|---|-------------------------------------|---|---|------------------------|-------|---|---|-----|
|      | 1              | 2 |      | 1         | 2 | 3 | 1               | 2 |   | 1                                   | 2 | 3 | 1                      | 2     |   |   |     |
| I    | ●              | ● | 100% | ●         | ● | ● | 5s              | ● | ● | Disable                             | ● | ● | ●                      | 0s    | ● | ● | 10% |
| II   | ●              | ○ | 75%  | ●         | ● | ○ | 30s             | ● | ○ | 50lux                               | ● | ● | ○                      | 10s   | ● | ○ | 20% |
| III  | ○              | ● | 50%  | ●         | ○ | ● | 1min            | ○ | ● | 10lux                               | ● | ○ | ●                      | 1min  | ○ | ● | 30% |
| IV   | ○              | ○ | 10%  | ●         | ○ | ○ | 5min            | ○ | ○ | 2lux                                | ● | ○ | ●                      | 5min  | ○ | ○ | 50% |
| V    |                |   |      | ○         | ● | ● | 10min           |   |   |                                     | ○ | ● | ●                      | 10min |   |   |     |
| VI   |                |   |      | ○         | ● | ○ | 20min           |   |   |                                     | ○ | ● | ○                      | 30min |   |   |     |
| VII  |                |   |      | ○         | ○ | ○ | 30min           |   |   |                                     | ○ | ○ | ●                      | 1h    |   |   |     |
| VIII |                |   |      |           |   |   |                 |   |   |                                     | ○ | ○ | ○                      | +∞    |   |   |     |

- Detection area can be reduced by selecting the combination on the DIP switches to fit precisely for each specific application.
- Hold-time means the time period you would like to keep the lamp on 100% after the person has left the detection area.
- The daylight threshold can be set on DIP switches, to fit for particular application.
- This is the time period you would like to keep at the low light output level before it is completely switched off in the long absence of people. Note: 0 means on/off control; +∞ means 2 steps of dimming control, fixture never switch off.
- This is the dimmed low light output level you would like to have after the hold-time in the absence of people.



# Infrared Sensor & Dimmer Option



| Technical Data  |  |
|---|--|
| <ul style="list-style-type: none"> <li>120/277 VAC, 50/60Hz</li> <li>- Load @120 VAC 0-800W Ballast or Incandescent</li> <li>- Load @277 VAC 0-1200W Ballast</li> </ul>   | <ul style="list-style-type: none"> <li>Sensitivity: None, Low, Med, Max; Default Max</li> <li>Setpoint: None, 1-250 fc, Auto; Default 4 fc</li> <li>Ramp up time: None, 1-60 sec.; Default None</li> </ul> |
| <ul style="list-style-type: none"> <li>230 VAC, 50Hz; Load 0-300W Ballast</li> </ul>  | <ul style="list-style-type: none"> <li>Fade Down Time: None, 1-60 sec.; Default None</li> </ul>  |
| <ul style="list-style-type: none"> <li>Relay Life Rating: 200,000 Cycles (120/277 VAC); 50,000 Cycles (230 VAC)</li> </ul>  | <ul style="list-style-type: none"> <li>Operating Temperature: -40-167°F (-40-75°C)</li> <li>Operating Humidity: 20-90%</li> </ul>  |
| <ul style="list-style-type: none"> <li>High Mode: 0-10 V; Default 10 V</li> <li>Low Mode: Off, 0-9.8 V; Default 1 V</li> <li>Time Delay: 30 Sec., 5-30 min.; Default 5 min.</li> <li>Cut Off Delay: None, 1-60 min. 1-5 hrs.; Default 1hr.</li> </ul> | <ul style="list-style-type: none"> <li>Weight: 2.8 oz (80 grams)</li> <li>IP66, CE Compliant</li> <li>TUV, UL and cUL Listed</li> <li>Five Year Warranty</li> </ul>  |

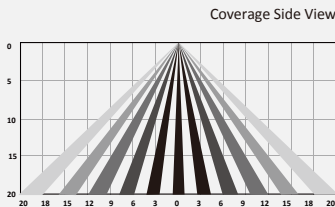
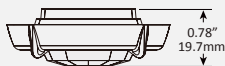
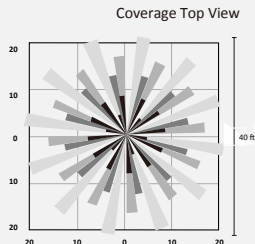
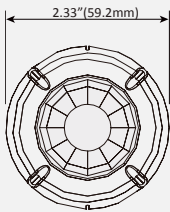
## Coverage Pattern

Density and range of the coverage pattern is determined by the type of lens and mounting height

### L3: 360° Coverage

L3 has a high density lens that covers a 40' diameter area at a height of 20'.

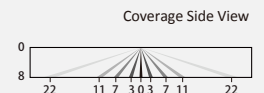
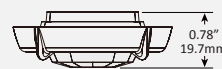
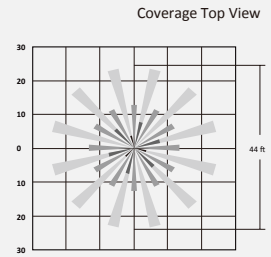
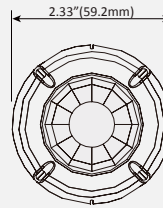
FSP-L3 High Density/Reduced Range Lens



### L2: 360° Coverage

L2 lens provides a 44' diameter coverage area when mounted at a height of 8'.

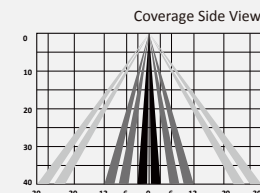
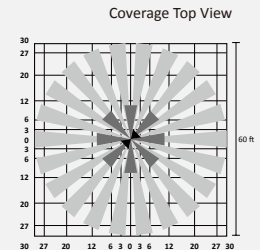
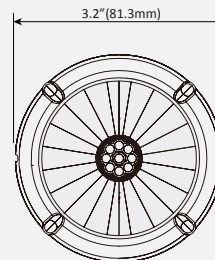
L2 Low Density/Wide Range Lens



### L4: 360° Coverage

L4 is designed for mounting at heights between 30' to 40'. Its coverage area can be up to 60' in diameter when mounted at 40'.

L4 40 Foot High Bay Lens



## Setting

Refer to Dimmer&romotion operate instruction.

