



## HBL Series LED High Bay Fixture



### Applications:

The HBL is designed for commercial, warehouse, and industrial applications. It's available in 24"x24", 12"x48", 12"x96" body styles. Multiple lumen output options available. (See ordering matrix)

### Build Details:

This family of fixtures utilizes our state-of-the-art "uni-body" design, unique to the industry. The complete fixture is made from a single sheet of 22-gauge (0.034") pre-painted steel, which provides superior durability and rigidity.

### Mounting:

Mounting options include: Y-Toggle Cables or V-Hangers.

### Lens:

Window clear Acrylic.

### WARRANTY:

5 year warranty. (terms and conditions apply)



**EVERLINE**

EVERLINE ZHH modules with high LED density provide high lumen outputs for high bay style luminaires

## Ordering Matrix

| HBL    | 2          | M            | 40          | W            | ED     | U       | (order Separately) |
|--------|------------|--------------|-------------|--------------|--------|---------|--------------------|
| Family | Body Style | Lumen Output | Color Temp. | Distribution | Driver | Voltage | Options            |

### Family

HBL = High Bay LED

### Body Style

2 = 24" x 24" Nominal

4 = 12" x 48" Nominal

8 = 12" x 96" Nominal

### Lumen Output

L = 12,000 Nominal

M = 20,000 Nominal

H = 24,000 Nominal

### Color Temperature

35 = 3,500 K

40 = 4,000 K

50 = 5,000 K

### Distribution

N = Narrow

W = Wide

### Driver

EF = Fixed

ED = 0-10v Dimming

### Voltage

U = 120v-277v

U1 = 347-480v

### Options

CA = Clear Acrylic Lens

OS3000 = Factory installed Watt Stopper, (HBP-112-L7 PIR Sensor)

WH6 = 6ft corded whip (specify Straight Blade, Twist Lock, or Blunt End)

WG = 2in x 2in Cell Flat Wire Guard

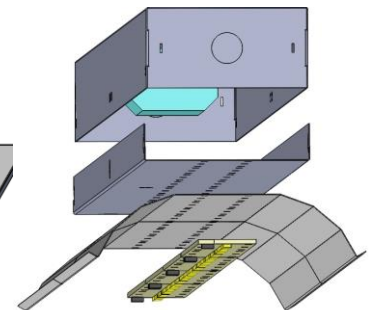
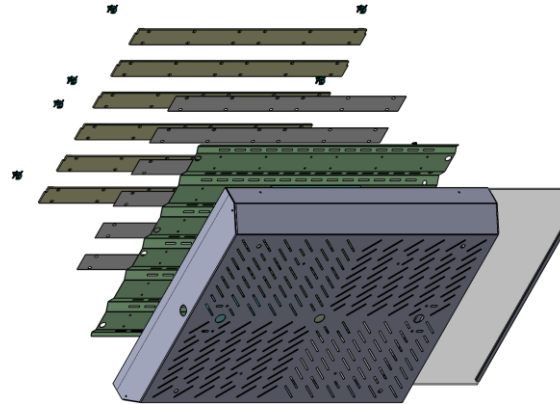
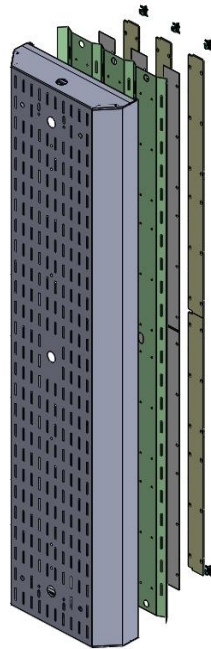
Consult for DLC listed models



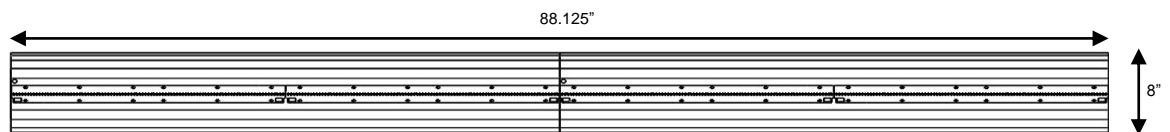
Rev. Date: 2/16/2015



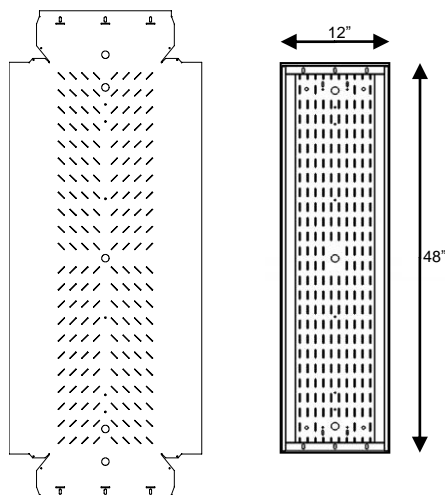
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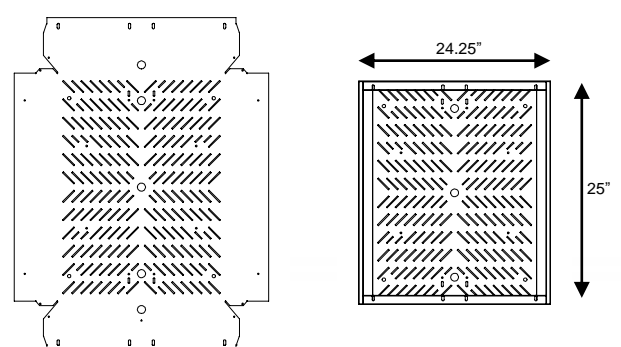
**HBL8**



**HBL4**



**HBL2**







## PHOTOMETRIC DATA

| Luminaire Data        |                   |
|-----------------------|-------------------|
| Luminaire             | HBL-2-M-40-W-ED-U |
| Driver                | D23CC90UNVT-F     |
| Lamp                  | LED               |
| Fixture Lumens        | 20,729            |
| Watts                 | 189               |
| Total Lumens per Watt | 109.7             |

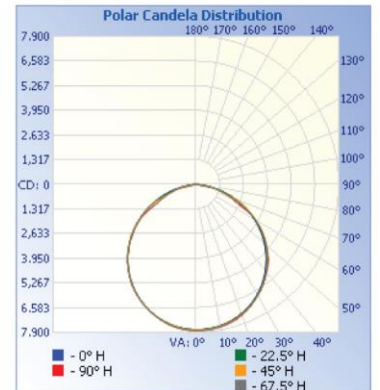
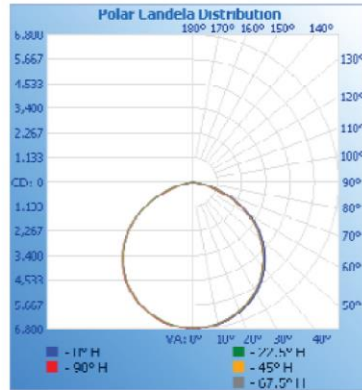
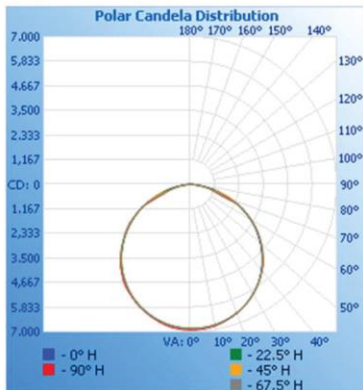
| Luminaire Data        |                      |
|-----------------------|----------------------|
| Luminaire             | HBL-2-M-40-W-ED-U-CA |
| Driver                | D23CC90UNVT-F        |
| Lamp                  | LED                  |
| Fixture Lumens        | 19,236               |
| Watts                 | 187.4                |
| Total Lumens per Watt | 102.6                |

| Luminaire Data        |                   |
|-----------------------|-------------------|
| Luminaire             | HBL-2-H-40-W-ED-U |
| Driver                | D23CC90UNVT-F     |
| Lamp                  | LED               |
| Fixture Lumens        | 22,811            |
| Watts                 | 185               |
| Total Lumens per Watt | 125               |

| Zonal Lumen Summary |        |             |
|---------------------|--------|-------------|
| Zone                | Lumens | % Luminaire |
| 0-30                | 5386   | 26.9%       |
| 0-40                | 8890   | 44.3%       |
| 0-60                | 15958  | 79.6%       |
| 60-90               | 4059   | 20.2%       |
| 0-90                | 20017  | 99.8%       |
| 90-180              | 40.8   | 0.2%        |
| 0-180               | 20057  | 100.0%      |

| Zonal Lumen Summary |        |             |
|---------------------|--------|-------------|
| Zone                | Lumens | % Luminaire |
| 0-30                | 5,286  | 28.0%       |
| 0-40                | 8,712  | 46.2%       |
| 0-60                | 15,477 | 82.1%       |
| 60-90               | 3,327  | 17.6%       |
| 0-90                | 18,805 | 99.7%       |
| 90-180              | 48     | 30.0%       |
| 0-180               | 18,852 | 100.0%      |

| Zonal Lumen Summary |        |             |
|---------------------|--------|-------------|
| Zone                | Lumens | % Luminaire |
| 0-30                | 6118   | 26.8%       |
| 0-40                | 10106  | 44.3%       |
| 0-60                | 18175  | 79.7%       |
| 60-90               | 4587   | 20.1%       |
| 0-90                | 227612 | 99.8%       |
| 90-180              | 44     | 0.2%        |
| 0-180               | 22805  | 100.0%      |



| LUMEN MAINTENANCE   |  |                         |
|---------------------|--|-------------------------|
| Ambient Temperature | TM-21 Lumen Maintenance (60,000 hours) | Theoretical L70 (Hours) |
| 55°C                | >90%                                   | >100,000                |
| 85°C                | >90%                                   | >100,000                |