APPENDIX E

Lighting Fixtures
Metalux
BMK LED
Benchmark High Bay

Typical Applications
Industrial • Manufacturing • Sports Venues

Interactive Menu
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• Photometric Data page 4
• Control Solutions page 4
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• Product Warranty

Top Product Features
• High lumen packages available up 75,000 delivered lumens
• cULus listed for wet locations -40°C to 65°C ambient environments
• IP66 listed for demanding and complex environments
• Integrated WaveLinx Wireless Sensor – provides 1200 sq ft. coverage
• High performance efficacy up to 181 lm/W

Product Certification

Product Features

Dimensional and Mounting Details
12,000 up to 36,000 Lumen Versions
14-1/16” [357mm]
15-1/2” [393mm]
Pendant Hub
17-3/4” [451mm]
Side View

50,000 up to 70,000 Lumen Versions
14-1/16” [357mm]
15-15/16” [403mm]
Pendant Hub
26-7/8” [657mm]
Side View
# BMK LED - Benchmark High Bay

## Order Information

**SAMPLE ORDER NUMBER:** BMK-36-MCL-UNV-L750-CD-U

<table>
<thead>
<tr>
<th>BMK</th>
<th>MCL</th>
<th>UNV</th>
<th>L840</th>
<th>EL20-W-RM (AB)</th>
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<tbody>
<tr>
<td><strong>Series</strong></td>
<td><strong>Revision</strong></td>
<td><strong>Lumen Package</strong></td>
<td><strong>Distribution/Shielding</strong></td>
<td><strong>Voltage</strong></td>
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<td>BMK-Benchmark High Bay</td>
<td>[Blank]</td>
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<td>NCL+Wide White</td>
<td>120V=120 Volt</td>
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<td>13-18,000 Lumens</td>
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<td>30-30,000 Lumens</td>
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<td>70-70,000 Lumens</td>
<td>NML+Wide White</td>
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**Notes**
- Design lights Consortium Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlightsonline.org for details.
- Driver Type:
  - CD: 2-10V Dimming
  - SL7: Filament Light DALI

**Wiring**
- L108V Surge Protector
- CS 1-1 Circuit, 3 Cord with no Plug
- CS 2-2 Circuits, 3 Cord with no Plug
- CS 6-6 Circuits, 6 Cord with no Plug
- PC3/277 (NEMA L7-15P) 3 Cord with NEMA Plug
- PC3/347 (NEMA L2-20P) 3 Cord with NEMA Plug
- PC3/480 (NEMA L8-20P) 3 Cord with NEMA Plug
- PC3/720 (NEMA L7-15P) 6 Cord with NEMA Plug
- PC3/777 (NEMA L2-20P) 6 Cord with NEMA Plug
- PC6/347 (NEMA L2-20P) 6 Cord with NEMA Plug
- PC6/480 (NEMA L8-20P) 6 Cord with NEMA Plug

**Motion Sensors**
- MS-360° or 180° Motion Sensor installed, specify voltage

**Packaging**
- Unit Pack
- PALC Job Pack, in carton

**Accessories**
- BMK-WG17-17'' Wire Guard (for use with 17,000 to 36,000 lumens only)
- SHKUP-HP Rated Fixture Hook (not rated)
- BMK-Fixture Hook with Through Hole (not rated)
- SWPD03-WaveLink Wireless Sensor (to be installed with "03" sensor ready fixtures only)
- LODP-310-Foot Loop Hanger, #3 Cable
- LODP-330-Foot Loop Hanger, #3 Cable
- LODP-410-Foot Loop Hanger, #4 Cable
- LODP-430-Foot Loop Hanger, #4 Cable

**Notes**
- IP-64 other than stem mount must use 1/2" NPT access fittings.
- Damp location only and used for recessed cable entry.
- EL20-W-REMC battery pack not available with 34V/480V + SWPD and UNV Sensors.
- Accessory Loop Hanger shall be sufficient only as a secondary safety and not to the primary means of mounting.
- Damp location only and used for recessed cable entry.
- 30-60k lumen fixtures with UNV or UNV sensors are UNV only.
- The 1/2'' cable is not used on 50, 60, & 70m UNVs from the factory and does not need to be ordered separately. #3 cable cannot be used on 50, 60, & 70m UNVs.

**Driver Type**
- Color: [Blank] - White
- Mounting: [Blank] - 3/4'' Threaded Hub

- Color: UV - Gray
- Mounting: BLK - Black

- Color: UV - Gray
- Mounting: BLK - Black

- Color: UV - Gray
- Mounting: BLK - Black

**Driver Type**
- Color: [Blank] - White
- Mounting: [Blank] - 3/4'' Threaded Hub

- Color: UV - Gray
- Mounting: BLK - Black

- Color: UV - Gray
- Mounting: BLK - Black

- Color: UV - Gray
- Mounting: BLK - Black
Metalux

BMK LED - Benchmark High Bay

Product Specifications

Construction
- Constructed of die cast and extruded aluminum

Optics
- Precision optics deliver highly efficient illumination
- Three distribution options available for superior performance in key areas: narrow, medium, and wide

LED and Light Engine
- Drivers available in 120-277V, 347V and 480V
- 0-10V dimming driver is standard
- Available in 4000K and 5000K in either 70 or 80 CRI

Finish
- Standard white polyester powder coat finish
- Painted after fabrication for increased durability and corrosion resistance

Mounting
- Designed for suspension mounting
- 3/4” NPT internal thread with locking set screw

Compliance
- IC rated for insulation contact
- cULus listed for wet locations -40°C to 65°C ambient environments
- RoHS compliant
- Tested to IESNA LM-79 and LM-80
- Stated life tested to TM21 standards

Warranty
- Five-year warranty standard.

Energy and Performance Data

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<th>Lumen Output</th>
<th>Watts</th>
<th>Efficacy (LPW)</th>
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Lumen Maintenance

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<td>25°C</td>
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Ambient Ratings

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**Photometric Data**

**BMK-24-NFL-UNV-L850-CD-U**
- Dimming Driver
- Linear LED 5000K
- Spacing criterion: (I) 1.06 x mounting height, (II) 1.06 x mounting height
- Lumen: 24385
- Input Watts: 156W
- Efficacy: 157 LPW

**BMK-24-MFL-UNV-L850-CD-U**
- Dimming Driver
- Linear LED 5000K
- Spacing criterion: (I) 1.33 x mounting height, (II) 1.33 x mounting height
- Lumen: 24138
- Input Watts: 156W
- Efficacy: 155 LPW

**Control Systems**
- WaveLinx
- DLVP
- LumaWatt Pro
- iLumin Plus
- VividTune

**Dimensional and Mounting Details**

**12,000 up to 36,000 Lumen Versions**
- 3/4" [19mm] FNPT Center Hub
- 2" [51mm] FNPT Access Port
- Top View
- Bottom View SWPD Sensor Option
- Side View

**50,000 up to 70,000 Lumen Versions**
- 3/4" [19mm] FNPT Center Hub
- 2" [51mm] FNPT Access Port
- Top View
- Bottom View SWPD Sensor Option
- Side View