

Project Name:

Type:

Notes:

Catalog Number: LUX - IK10 - 8 - T - HO2 - - 2' - - - - -

High-bay LED luminaire specializing in high-abuse applications. Intended for gymnasiums, natatoriums, manufacturing & industrial facilities, warehouses, convention centers and other high-ceiling applications.

Optics:

- 360° Rotatable BARs for Customized Distributions
- Wide 120° Beam Angle for Maximum Uniformity
- Diffuse Lensing Available in Clear and White

Mechanical:

- Exceeds Impact Rating of IK10
- Extruded Aluminum Construction
- Stainless Steel Hardware
- Isolated Driver Channels
- Thermally Independent Heat Sink LED BARs
- Anodized Brite-Dip for Superior Corrosion Resistance
- Ambient Temperature: -40°C to 65.5°C (-40°F to 150°F)
- Optional Polycarbonate or Acrylic Lenses

Components:

- High-Output Nichia LED Chips
- 90°C Osram Sylvania LED Drivers

Listings:

- ARRA Compliant (Made In America)
- UL1598 for Dry and Damp Locations



Performance:

- 47,819 Nominal Lumens
- 361.4 Watts
- 132.3 Lumens/Watt
- LED Lifetime per TM-21: L(70) > 60,000 Hours
- Calculated Lifetime: L(70) > 150,968 Hours

Electrical:

- Input Voltage: 120-277V (347/480V Option Available)
- 0-10V Dimming Standard

Warranty:

- Fixture Body: 10 Years
- Electronics: 5 Years

Installation:

- Aircraft Cable Suspension
- Pendant Mount
- Surface Mount
- Yoke Mount
- Custom Mounting



Standard Finish Includes (shown above):

- Brite-Dip Anodized Aluminum Extrusions
- Mill Finish Aluminum Endcaps
- LUX Green Hanging Brackets

Fixture Dimensions:

- 26" L x 29.5" W x 1.5" H (66cm x 75cm x 3.8cm)

Fixture Weight:

- 17.5 Lbs (7.9kg)

If any options are not desired, leave blank.

LUX - IK10 - 8 - T - HO2 - - 2' - - - - -

| Mfr. | Series | Bi a VYf | Channel | Module | CRI/ CCT | @b[h | 0-10V Dim | Lens | Application | Voltage Option | Direction of Light | Custom Wattage/Lumens(mA) | Access to Electronics | Cord | Mounting | Finish | Controls | Emergency Driver |
|------|--------------------|----------|---------|--------|----------|-------|-----------|------|-------------|----------------|--------------------|---------------------------|-----------------------|------|----------|---------|----------|------------------|
| 8 | T - Triple Channel | HO& | 850 | 2' | U10 | NL | NAT | 347 | DIR | CFO | TOP | 3/10 | H4P10 | STND | DLH | Consult | | |
| 840 | 80CRI CCT-4000K | 3.2% | U1 | CA2' | TC | IND | 480 | IND | CFI | BOT | 4/10 | H4P20 | CC### | OCC | Factory | | | |
| 835 | 80CRI CCT-3500K | 4.3% | UX | CP2' | MFG/WHS | CLD | | | | | 5/10 | H4P30 | NAI(Natatorium) | D/O | | | | |
| 830 | 80CRI CCT-3000K | 6.9% | | WA2' | GYM | | | | | | 6/10 | SPM | MFHB | WCM | | | | |
| 827 | 80CRI CCT-2700K | 10.1% | | WP2' | A/FH | | | | | | 3/15 | SM | | | | | | |
| 927 | 90CRI CCT-2700K | 22.3% | | | ARCH | | | | | | 4/15 | SMH | | | | | | |
| | | | | | | | | | | | 5/15 | H4P10 | | | | | | |
| | | | | | | | | | | | 6/15 | UH4 | | | | | | |
| | | | | | | | | | | | | MH1P | | | | | | |

| Part # | Description | Light Loss |
|--------|-----------------|------------|
| 850 | 80CRI CCT-5000K | 0.0% |
| 840 | 80CRI CCT-4000K | 3.2% |
| 835 | 80CRI CCT-3500K | 4.3% |
| 830 | 80CRI CCT-3000K | 6.9% |
| 827 | 80CRI CCT-2700K | 10.1% |
| 927 | 90CRI CCT-2700K | 22.3% |

| Part # | Description | Light Loss |
|--------|---------------------|------------|
| NL | No Lens | 0.0% |
| CA2' | Clear Acrylic | 10% |
| CP2' | Clear Polycarbonate | 14% |
| WA2' | White Acrylic | 16% |
| WP2' | White Polycarbonate | 25% |

| Application | Description |
|-------------|-------------------------|
| NAT | Natorium |
| TC | Tennis Court |
| MFG/WHS | Manufacturing/Warehouse |
| GYM | Gymnasium |
| A/FH | Arena/Field House |
| ARCH | Architectural |

| Option | Description |
|--------|------------------------------|
| 347 | Step-Down Transformer Needed |
| 480 | Step-Down Transformer Needed |

| Direction of Light | Description |
|--------------------|----------------------------------|
| DIR | Direct Lighting: Bars Aimed Down |
| IND | Indirect Lighting: Bars Aimed Up |
| CLD | Custom Light Distribution |

| Custom Wattage/Lumens(mA) | Description |
|---------------------------|---|
| CFO | Custom Fixture Output. Specify Needed Lumens. |
| CFI | Custom Fixture Input. Specify Needed Wattage. |

| Access to Electronics | Description |
|-----------------------|-----------------------|
| TOP | Lid Opens from Top |
| BOT | Lid Opens from Bottom |

| Cord | Description |
|-----------------------|----------------------------|
| 1 st Digit | Number of Conducting Wires |
| 2 nd Digit | Length of Cord (feet) |

| Mounting | Description |
|----------|---|
| H4P10 | Aircraft Cable, 4-point Hanger, Total Suspension Length 10' |
| H4P20 | Aircraft Cable, 4-point Hanger, Total Suspension Length 20' |
| H4P30 | Aircraft Cable, 4-point Hanger, Total Suspension Length 30' |
| SPM | Single Point Mount - Mounting to Existing Stem |
| SM | Surface Mount - Mounting Holes Provided by Others |
| SMH | Surface Mount Holes: Mounting Holes Provided |
| H4P10 | 4-Point Hanger, 10' Lengths (up to 30' lengths available) |
| UH4 | 4 Point Unistrut Hardware |
| MH1P | Myer's Hub - (1) 3/4" Conduit Adapters Provided |

| Finish | Description |
|------------------|---|
| STND | Standard Finish - As Shown in Photo Above |
| CC### | Custom Color - Please Provide RAL Number |
| NAI (Natatorium) | NAT Natatorium Grade Finish - White |
| MFHB | Mill Finish Hanging Bracket - No Powder Coating |

| Controls | Description |
|----------|------------------------------|
| DLH | Daylight Harvesting Sensor |
| OCC | Occupancy Sensor (On/Off) |
| D/O | Daylight and OCC: (1) Module |
| WCM | Wireless Control Module |

*Other CRI and CCT Available Contact Factory for Availability

* Cord Lengths Available up to 30'

* 5-Wires Standard for 0-10V Dimming

* 4-Wires Standard for A/B Switching

* 3-Wires Standard for On/Off

* All Aircraft Cables Available in Stainless Steel, add "SS" to end of part #

* Custom Mounting Available - Contact Factory with Request

Option/Adder Data

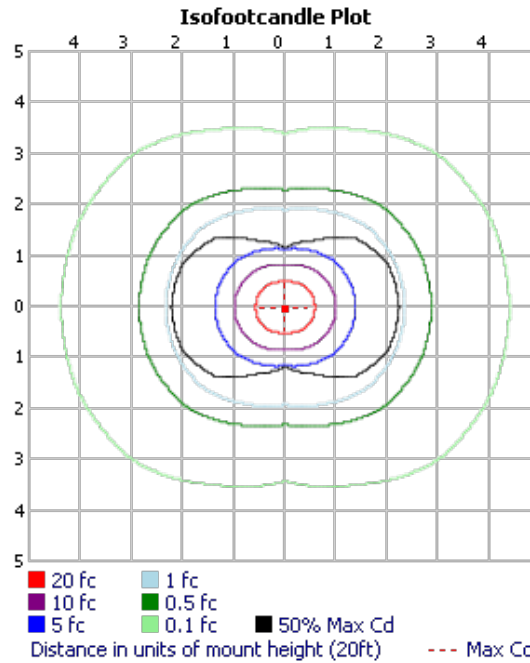
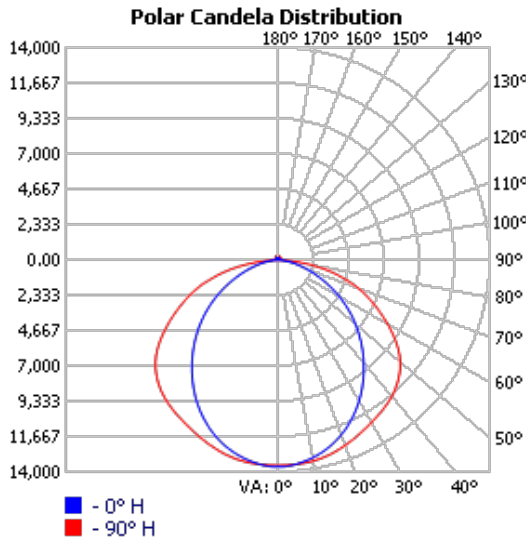
Contact factory for detailed specification sheets on each option/adder. Every option/adder available in 347/480V, contact factory.

| Daylight Harvesting & Occupancy Sensor - Dim | | Daylight Harvesting Sensor - Dim | | Occupancy Sensor - On/Off | | Wireless Control Module | |
|--|---------------------|----------------------------------|-----------------|---------------------------|------------------|-----------------------------|---------------|
| Control Type | PIR/Photocell 1-10V | Control Type | Photocell 1-10V | Control Type | PIR Line Voltage | Quantity Needed Per Fixture | 1 |
| Ambient Temperature | 5°C to 55°C | Ambient Temperature | 5°C to 55°C | Ambient Temperature | -10°C to 71°C | Ambient Temperature | -40°C to 55°C |
| Mounting Height | 8' to 40' | Mounting Height | 8' to 40' | Mounting Height | 15' to 45' | Phone Application | Available |

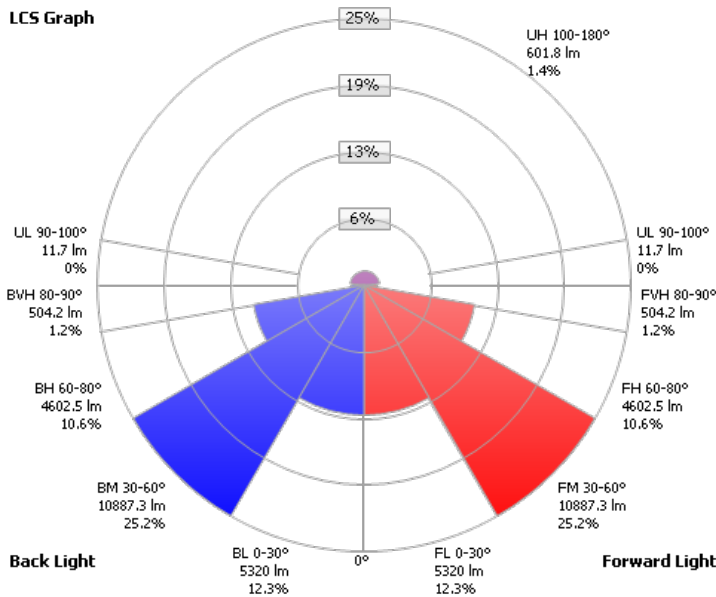
| Emergency Battery (10-Watt) | |
|-----------------------------|---------------------|
| Initial Lumen Output | 1320 Lumens Per Bar |
| Ambient Temperature | 0°C to 55°C |
| Illumination Time | 90 Minutes |

| 347/480Volt Step-Down Transformer | |
|-----------------------------------|----------------|
| Quantity Needed Per Fixture | 1 |
| Ambient Temperature | -40°C to 100°C |

TEST #: LLI-17187-4
 TEST LAB: LIGHTLAB INTERNATIONAL (WWW.LIGHTLABINT.COM)
 CATALOG: LUX-IK10-8-T-HO2-850-2'-U10-CA2'
 INPUT WATTAGE: 361.4
 MAX CD: 13,661.8 AT HORIZONTAL: 0°, VERTICAL: 0.5°



| ZONAL LUMEN SUMMARY | | |
|---------------------|----------|-------------|
| ZONE | LUMENS | % LUMINAIRE |
| 0-30 | 10,638.4 | 24.6% |
| 0-40 | 17,628.2 | 40.8% |
| 0-60 | 32,416.1 | 75% |
| 60-90 | 10,210.7 | 23.6% |
| 70-100 | 4,541.7 | 10.5% |
| 90-120 | 174.5 | 0.4% |
| 0-90 | 42,626.8 | 98.6% |
| 90-180 | 613.8 | 1.4% |
| 0-180 | 43,240.6 | 100% |



| LCS TABLE | | |
|-----------------------|--------------|----------|
| BUG RATING | B5 - U4 - G4 | |
| FORWARD LIGHT | LUMENS | LUMENS % |
| LOW(0-30): | 5,320.0 | 12.3% |
| MEDIUM(30-60): | 10,887.3 | 25.2% |
| HIGH(60-80): | 4,602.5 | 10.6% |
| VERY HIGH(80-90): | 504.2 | 1.2% |
| BACK LIGHT | LUMENS | LUMENS % |
| LOW(0-30): | 5,320.0 | 12.3% |
| MEDIUM(30-60): | 10,887.3 | 25.2% |
| HIGH(60-80): | 4,602.5 | 10.6% |
| VERY HIGH(80-90): | 504.2 | 1.2% |
| UPLIGHT | LUMENS | LUMENS % |
| LOW(90-100): | 11.7 | 0% |
| HIGH(100-180): | 601.8 | 1.4% |
| TRAPPED LIGHT: | 0.000 | 0% |

Scale = Max LCS %
 Trapped Light: 0lm, 0%