

3"

3" Flat Housing Downlight

BOLD-3-FH-IC

Bold Series

**Application & Features**

BOLD-3-FH-IC Downlight is a specification-grade architectural luminaire engineered for visual comfort, flexibility, and control. With field-changeable optics, tool-less trim interchangeability, and a range of precise beam distributions, BOLD-3-FH-IC delivers quiet ceilings and seamless integration into the architectural environment.

Available in three distinct housing options—flanged, trimless, and millwork—BOLD-3-FH-IC adapts to a wide range of ceiling conditions while maintaining a refined visual language.

The system features 98 CRI with 1x2 Step MacAdam Ellipse color consistency for exceptional optical quality, and supports multiple dimming protocols down to 0.1% for maximum control and responsiveness.

Ideal for commercial, hospitality, retail, institutional, civic, cultural, corporate, academic, healthcare, luxury residential, gallery, and museum projects, BOLD-3-FH-IC supports elevated design intent without compromise.

As part of a complete family that includes wall wash and adjustable accent options, BOLD-3-FH-IC offers static and dynamic color technologies to meet the evolving demands of high-performance lighting design.

| | |
|------------------------------------|---|
| Lumens | High Performance: 900, 1200, 1500, 2000 Dims to Warm: 900, 1200, 1500 Xicato Artist: 900, 1200 |
| CCT & Dynamic Platforms | High Performance: 27K, 30K, 35K, 40K, 50K Dims to Warm: 18K-30K, 27K-30K, 22K-30K Xicato Artist: 27K, 30K, 30K-VIB, 35K, 40K |
| CRI | High Performance: 90+, 98+ Dims to Warm: 90+ Xicato Artist: 90+, 95+ |
| Color Quality | 2 Step MacAdam Ellipse |
| Distributions | 10D (Very Narrow Spot 10°), 15D (Narrow Spot 15°), 24D (Spot 24°), 36D (Medium 36°), 60D (Wide 60°) |
| Trim Options | Downlight: Flanged, Trimless, Millwork Pinhole: Flanged, Trimless, Millwork |
| Finish Options | Anodized: White (WH), Black (BK), Chrome (CL), Satin Haze (SHZ) Diecast: White (WH), Black (BK) |
| Driver Options | DIM10, DIMTR, ELDO10-LOG, ELDO10.1-LIN, ELDODALI.1, BLE-CASAMBI |
| Emergency | -[All emergency options require top access, remote emergency test switch included], EMG-10, EMG-20, EMG-10-SDT, EMG-20-SDT, GTD |
| Lifetime | LED is rated for >60,000 hours at 70% lumen maintenance |
| Photometric Tests | In Accordance with IES LM79-08, LM80 and TM-30, TM-23 |



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PART NUMBER: **BOLD-3-FH-IC-900L-27K-90-10D-DIM10-120V**

| Series | Flange Options | Lumens | CCT | CRI | Optics | Driver | Voltage | Emergency | Bar Hanger | Options | Optical Accessories |
|---------------------|--|--|--|-------------------------|---|--|-----------------------------|--|---|---|---|
| BOLD-3-FH-IC | - Flanged TL Trimless MW Millwork | 900L 1200L 1500L 2000L ¹ | 27K 30K 35K 40K 50K | 90+ ² | 10D Very Narrow Spot (10°) 15D Narrow Spot (15°) 24D Spot (24°) 36D Medium (36°) 60D Wide (60°) | DIM10 DIMTR ³ ELDO10-LOG ELDO10.1-LIN ELDODALI.1 BLE-CASAMBI | 120V MVOLT | - All emergency options require top access, remote emergency test switch included EMG-10 EMG-20 EMG-10-SDT EMG-20-SDT GTD | - Standard bar hangers included BP27 27"C-channel bar hangers BP32 32"C-channel bar hangers BP52 52"C-channel bar hangers | - RIF RIF filter REM Single Remote Dimming Driver ⁵ BABA Made in America Compliance Controls See last page | - SOFL Solite Frosted SFL Soft Focus Lens SPD Spread Linear Lens UVL UV Lens HCL Honey Comb Louver PRS Prismatic Lens |

Any fixture can take maximum 2 Optical Accessories ¹ The highest lumen will not be compatible with any optical accessories ² 98+ CRI is available only on 27K, 30K and 40K ³ DIMTR is only available with 120V ⁴ 347V is only available with DIM10 ⁵ Remote mount
Maximum distance from light fixture to remote power supply is 100' using 14 gauge wire, 50' using 16 gauge wire

PART NUMBER: **BOLD-3-FH-IC-WDM-900L-18K-30K-90-15D-DIM10-120V**

| Series | Flange Options | Lumens | CCT | CRI | Optics | Driver | Voltage | Emergency | Bar Hanger | Options | Optical Accessories |
|--|--|--|--|------------|---|--|-----------------------------|--|---|---|---|
| BOLD-3-FH-IC-WDM (Dim to Warm) | - Flanged TL Trimless MW Millwork | 900L 1200L 1500L ¹ | 18K-30K 27K-30K 22K-30K | 90+ | 15D Narrow Spot (15°) 24D Spot (24°) 36D Medium (36°) 60D Wide (60°) | DIM10 DIMTR ² ELDO10-LOG ELDO10.1-LIN ELDODALI.1 BLE-CASAMBI | 120V MVOLT | - All emergency options require top access, remote emergency test switch included EMG-10 EMG-20 EMG-10-SDT EMG-20-SDT GTD | - Standard bar hangers included BP27 27"C-channel bar hangers BP32 32"C-channel bar hangers BP52 52"C-channel bar hangers | - RIF RIF filter REM Single Remote Dimming Driver ⁴ BABA Made in America Compliance | - SOFL Solite Frosted SFL Soft Focus Lens SPD Spread Linear Lens UVL UV Lens HCL Honey Comb Louver PRS Prismatic Lens |

Any fixture can take maximum 2 Optical Accessories ¹ The highest lumen will not be compatible with any optical accessories ² DIMTR is only available with 120V ³ 347V is only available with DIM10 ⁴ Remote mount Maximum distance from light fixture to remote power supply is 100' using 14 gauge wire, 50' using 16 gauge wire

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PART NUMBER: BOLD-3-FH-IC-XIA-900L-27K-90-10D-DIM10-120V

| Series | Flange Options | Lumens | CCT | CRI | Optics | Driver | Voltage | Emergency | Bar Hanger | Options | Optical Accessories |
|-------------------------------------|--|----------------------------|-------------------------------------|-------------------------|--|--|---------------|---|--|--|---|
| BOLD-3-FH-IC-XIA (Xicato Artist) | - Flanged TL Trimless MW Millwork | 900L 1200L ¹ | 27K 30K 30K-VIB 35K 40K | 90+ 95+ ² | 10D Very Narrow Spot (10°) 15D Narrow Spot (15°) 24D Spot (24°) 36D Medium (36°) 60D Wide (60°) | DIM10 DIMTR ³ ELDO10-LOG ELDO10.1-LIN ELDODALI.1 BLE-CASAMBI | 120V MVOLT | - All emergency options require top access, remote emergency test switch included EMG-10 EMG-20 EMG-10-SD1 EMG-20-SD1 GTD | - Standard bar hangers included BP27 27"C-channel bar hangers BP32 32"C-channel bar hangers BP52 52"C-channel bar hangers | - RIF RIF filter REM Single Remote Dimming Driver ⁵ BABA Made in America Compliance | - SOFL Solite Frosted SFL Soft Focus Lens SPD Spread Linear Lens UVL UV Lens HCL Honey Comb Louver PRS Prismatic Lens |

Any fixture can take maximum 2 Optical Accessories ¹ The highest lumen will not be compatible with any optical accessories ² 95+ CRI is not available on 50K ³ DIMTR is only available with 120V ⁴ 347V is only available with DIM10 ⁵ Remote mount Maximum distance from light fixture to remote power supply is 100' using 14 gauge wire, 50' using 16 gauge wire

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Description

The BOLD-3-FH-IC Downlight is engineered for quiet ceilings and visual comfort, delivering precise, glare-controlled illumination exactly where it's needed. Its fixed optical system ensures consistent beam quality with tight cutoff, supporting low-glare, high-performance general lighting.

For applications demanding an ultra-discreet aperture, BOLD-3-FH-IC offers a Pinhole trim option—minimizing visible source brightness while maintaining clean beam control. Ideal for high-end environments where visual precision and ceiling refinement are critical, BOLD-3-FH-IC helps lighting designers achieve subtle yet effective illumination.

LED Light Engine

The BOLD platform features a patent-pending heat sink and LED module system that unlocks effortlessly from the housing with a simple twist—no tools required. Once released, the entire assembly drops below the ceiling line, allowing fast, easy replacement or upgrade of the LED light engine. This modular design also supports up to two optical accessories—including spread lenses, frosted lenses, color filters, plus a honeycomb louver—making it exceptionally versatile for post-installation tuning.

Exceptional Optical Quality: The precision-engineered light engine comes standard with 90+ CRI and maintains 1×2 Step MacAdam Ellipse consistency, ensuring accurate, uniform color across every luminaire.

Unlike traditional systems where all components are buried inside the housing and difficult to service, BOLD's intuitive below-ceiling access makes maintenance and adding additional accessories dramatically easier—setting a new standard for architectural lighting flexibility.

Field-Changeable Optics and Accessories

Designed for adaptability, the BOLD platform enables efficient in-field customization. By unscrewing the cap on the heat sink, technicians can easily swap optics or add optical accessories—ensuring optimal light output and refined beam control without tools or reinstallation. This modular approach supports a wide array of field-changeable accessories, including spread lenses, frosted lenses, color filters, and honeycomb louvers, allowing for precise post-installation tuning.

A full range of beam options—from extremely narrow to wide—provides the flexibility to tailor light distribution with precision, whether emphasizing architectural elements or delivering broad ambient illumination. Field-changeable optics make it easy to respond to evolving design needs or spatial conditions directly on-site. For added control, the LED module offers three fixed vertical positions within the housing. This design provides the flexibility to fine-tune both visual comfort and lighting performance to meet the specific demands of any space.

Trim & Collar Configurations

- **Trimless:**
Designed for drywall or plaster ceilings, the die-cast spackle collar allows joint compound to be applied directly to the edge for a seamless, mudded-in finish. It mounts securely to the housing to prevent ceiling cracks during or after installation.
- **Millwork:**
For wood, tile, or stone ceilings, the millwork collar is finished to match the specified trim and ensures clean, stable integration with thicker or non-standard ceiling materials.
- **Flanged:**
Ideal for gypsum or ACT ceilings, flanged trims provide a clean, finished appearance with a subtle bezel that frames the aperture while maintaining optical performance and glare control.

Collar and Collar Extender Options

Each BOLD housing comes standard with a 1-inch collar. Optional collar extenders are available in 1.5-inch and 2-inch sizes to accommodate ceiling thicknesses up to 2". These extenders add minimal height and have a slight impact on light output. Consult factory for details and additional collar options.

Trim Construction

With dual trim construction and an extensive library of finish options, BOLD trims empower lighting designers to achieve both technical precision and visual harmony in any space.

- **Anodized Aluminum**
Designed for visual comfort, anodized trims recess the light source to achieve a 45-degree cutoff, enhancing glare control and supporting quiet ceilings in high-performance architectural environments. The electrochemical finish ensures long-term reflectance and material integrity.
- **Die-Cast**
Die-cast trims provide sharp detailing, precise fit, and the ability to seamlessly blend into the ceiling plane with high-quality painted finishes. Ideal for minimalist spaces where integration and consistency are key

Downlight Trim

Featuring a 45° visual cutoff angle to the source, this luminaire provides exceptional glare control and visual comfort while maintaining low-brightness apertures for a pleasant lighting experience. Available in a wide variety of colors and designs, it offers flexibility to suit diverse architectural needs. Available in Open Downlight, Lensed Downlight, and Pinhole Downlight configurations.

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Mounting

Each housing includes heavy-duty, pre-installed bar hangers designed for flexible installation across a variety of ceiling types. Hangers extend to span joists up to 24" on center and can be repositioned along both the short and long axis of the housing. For narrower joist bays, hangers can be shortened to accommodate 12" spacing.

The system includes integral butterfly brackets fabricated from 18-gauge steel, providing vertical adjustment for accurate alignment with ceiling thickness. These brackets are compatible with 3/4" or 1-1/2" lathing channels, 1/2" EMT conduit, and optional C-channel bars for secure attachment in commercial grid ceilings. Additional mounting slots and keyholes allow for versatile integration into T-bar ceilings or unconventional framing layouts.

Driver Access & Serviceability

The BOLD platform includes a high-performance, constant-current electronic driver (0–10V dimming, 100%–1%) with integral thermal and surge protection compliant with IEEE C62.41. The driver is conveniently located within the housing and can be easily accessed from below the ceiling.

Simply unlock the heat sink and LED module from the housing's holder with a simple twist. Once the heat sink holder is disengaged from the housing, rotate the heat sink holder 360 degrees and tilt it to a 45-degree angle to easily access the driver, allowing for quick service or replacement.

Emergency Options/Controls

10W or 20W emergency back-up battery systems are available with a remote mounted test switch. A self-diagnostic emergency option is also available. Other accessories and controls systems include modular wiring systems, daylight harvesting controls, occupancy sensors, and/or power packs for individual or room control applications, and triac, dali and DMX protocols.

Dim to Warm Option

Dim to Warm simulates traditional incandescent halogen lighting through dimming. When the luminaire dims to warm from 100% to .1%, it makes a smooth transition across the black body radiator while maintaining a constant CRI of 90+. Available in 30K-18K, 30K-22K or 27K-18K range.

Xicato Artist Series LED Module (XIA)

Powered by Xicato Artist Series®, which are tested to IES TM-30-15, with a color fidelity score (Rf) of 96 and a color gamut score (Rg) of 102, and color shift less than du'v' of 0.003. Featuring cold phosphor technology, improving thermal management enhancing color consistency and delaying lumen depreciation.

Natural Spectrum (NSL)

Natural Spectrum LED option is designed for Human Centric lighting application. Natural Spectrum LEDs diminish blue light peak, similar spectral curve to sunlight, accurate rendering of colors and reduced scattered reflection and glare.

Dimming & Driver Information

DIM10 - 0-10V dimming on either MVOLT 120, 277 or 347V. Dimmable down to 1% of initial lumens, standard

DIMTR - Triac & Electronic low voltage forward phase dimming. Available in 120V only

ELDO10-LOG - ELDO10-LOG with logarithmic dimming curve.

ELDO10.1-LIN - ELDO10-Linear with linear dimming curve.

ELDODALI.1 - EldoLED SoloDrive DALI-2. Dimming down to 0.1%

BLE-CASAMBI - Luminaires may be controlled, grouped, scheduled or placed in scenes, and or zones Via Cassambi Bluetooth 4.0 App.

Warranty

Five-year warranty for parts and components. (Labor not included)

Listings

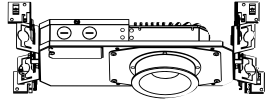
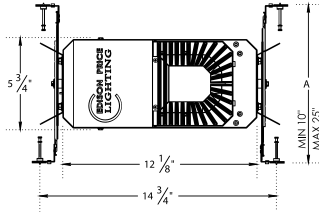
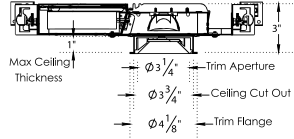
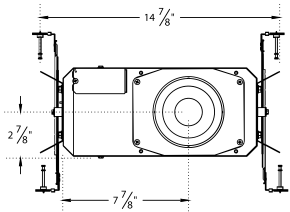
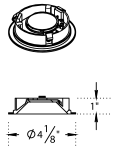
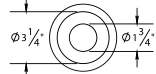
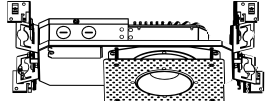
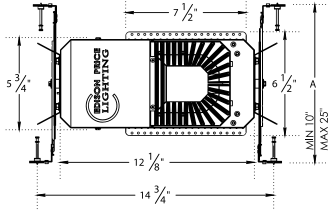
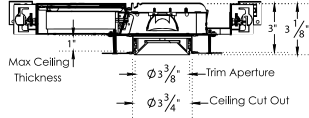
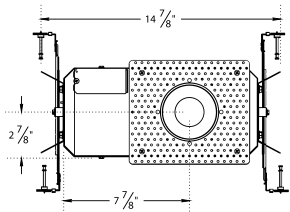
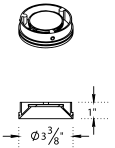
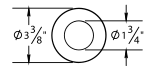
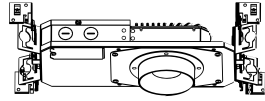
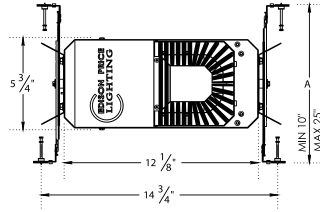
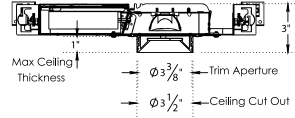
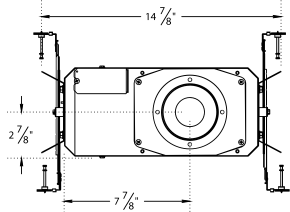
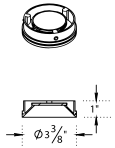
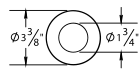
- c-UL-us: Listed for Wet Location when used with wet-location rated trims
- c-UL-us: Listed for Feed-Through Wiring
- Energy Star and California Title 24 compliant (JA8)
- Optional Black color trim is not Energy Star certified and will not meet the requirements
- 22K and 27K are not Energy Star listed and will not meet the requirements
- BABA Compliant for government procurement under FAR, DFARS, and DOT regulations.

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| FLANGED | TRIMLESS | MILLWORK |
|---|---|---|
|     <p>B3R-328-DC-F</p>   |     <p>B3R-302-DC-TL-MW</p>   |     <p>B3R-302-DC-TL-MW</p>   |










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1- Luminaire will be shipped with Powerpacks pre-installed, ready to be integrated to designated control systems

2- Luminaire will be shipped with Sensors installed on the luminaire, allowing for individual luminaire control. Luminaires will be ready to be integrated with designated control systems

3- Luminaire will be shipped with Sensors to be remotely installed on the ceiling. Luminaires will be ready to be integrated with designated control systems

| BRAND |  |  |  |  |  |  |  |
|---------------------------------------|---|--|---|---|---|--|---|
| CONTROL UNIT | <input type="checkbox"/> FCJS-010 Lutron Vive 0-10V Individual Pow Pak (Luminaire is shipped Vive Enabled) ¹⁴ <input type="checkbox"/> FCJS-ECO Lutron Vive Eco-system Pow Pak (Luminare is shipped Vive Enabled) | <input type="checkbox"/> CU-4E-FMH Fixture Mount Control Unit ¹⁵ | <input type="checkbox"/> ZL027 –NOW Intellect Power Control Module ¹⁶ | <input type="checkbox"/> EN-WCM2-ZB-DR Wireless Control Module ¹⁷ | <input type="checkbox"/> XITANIUM SR LED DRIVER The Philips Advance Xitanium SR LED driver ¹⁸ | <input type="checkbox"/> LMFC-011 ON/OFF/0-10V dimming fixture controller ¹⁹ <input type="checkbox"/> FS-PP-V2 FS-PP Fixture Integrated Sensor Power Pack ¹⁹ | <input type="checkbox"/> NXFM-1R2D-O-UNV NX Fixture Module, Offset, 1 Relay, 2 0-10V Dimming Channels, 120-347VAC, Blue |
| | <input type="checkbox"/> A-WN-D01-RF-WH Athena wireless node (RF only) (White) <input type="checkbox"/> A-WN-D01-OCC-WH Athena wireless node with sensor (White) | | <input type="checkbox"/> ZL027 –DLE Intellect Power Control Module ¹⁶ | <input type="checkbox"/> EN- ALC-ZB-BK-DR Wireless Area Lighting Control Module ¹⁷ | | <input type="checkbox"/> LMFS-601 Integrated Fixture Sensor & Controller | |
| | | | | | | | |
| INTEGRATED OCCOPANCY& DAYLIGHT SENSOR | <input type="checkbox"/> DFCSJ-OEM-OCC Clear Connect (RF) and Occupancy/Daylight Sensing ² | <input type="checkbox"/> SU-5E-IoT IoT Node Micro Sensor <input type="checkbox"/> SU-5E-CL Connected Micro Sensor <input type="checkbox"/> SU-5E-IL Independent Micro Sensor <input type="checkbox"/> SU-5S-H(IoT/CL/IL) Serface Mount Sensor (Must be Specified with CU-4E-FMH Control Unit)² | <input type="checkbox"/> ZL00J -TOW Intellect Intelligent Fixture Control System ² | <input type="checkbox"/> EN-CLM-PIR-DD-ZB SensiLUM™ Wireless Integrated Sensor | <input type="checkbox"/> SNS 212 EasyAir Daylight and Occupancy sensor | <input type="checkbox"/> FD-301 Fixture integrated Daylight Dimming Sensor ² | <input type="checkbox"/> NXRM HubbNETTM Radio Module <input type="checkbox"/> NXSMP2-OMNI Integrated Fixture Sensor & Controller |
| | | <input type="checkbox"/> ZL00J-DOW Intellect Intelligent Fixture Control System ² | <input type="checkbox"/> ZBHA-CLM-DIM-ENC Connected Lighting Module DIM ² | <input type="checkbox"/> SNS300 SNS300 for networks ² | <input type="checkbox"/> FS-205 Fixture integrated passive infrared occupancy sensor ² | <input type="checkbox"/> NXSMP2-LMI Integrated Fixture Sensor & Controller | |
| | | | | | | | |
| *WIRELESS OCCUPANCY SENSOR | <input type="checkbox"/> LRF2-OCR2B-P-WH Ceiling mount360° ,occupancy/vacancy sensor ³ | N/A | N/A | <input type="checkbox"/> EN-SCPPH-1500-ZB Wireless Passive Infrared Occupancy and Photo Sensors ³ | N/A | <input type="checkbox"/> LMDC-100 Dual technology PIR Ceiling Mount Occupancy Sensor ³ | <input type="checkbox"/> NXSMP2-SMI NX Slide Mount Indoor Sensor Module |
| *WIRELESS DAYLIGHT SENSOR | <input type="checkbox"/> LRF2-DCRB-WH Ceiling-mount daylight sensor ³ | N/A | N/A | <input type="checkbox"/> EN-SCPPH-1500-ZB Wireless Passive Infrared Occupancy and Photo Sensors ³ | N/A | <input type="checkbox"/> LMLS-400 Single zone switching and dimming digital photosensor ³ | <input type="checkbox"/> LUXSTATLS Luxstat Light Sensor for Luxstat Control Modules, 3 to 6000 FC |
| *WIRELESS OCCUPANCY & DAYLIGHT SENSOR | N/A | <input type="checkbox"/> SU-5E-IoT IoT Node Micro Sensor <input type="checkbox"/> SU-5E-CL Connected Micro Sensor <input type="checkbox"/> SU-5E-IL Indipendent Micro Sensor <input type="checkbox"/> SU-5S-H(IoT/CL/IL) Serface Mount Sensor (Must be specified with CU-4E-FMH Control Unit)³ | <input type="checkbox"/> ZL00J -TOW Intellect Intelligent Fixture Control System <input type="checkbox"/> ZL00J-DOW Intellect Intelligent Fixture Control System (Must be specified with ZL027-NOW and ZL00J-DOW Control unit)³ | <input type="checkbox"/> EN-CLM-PIR-DD-ZB SensiLUM™ Wireless Integrated Sensor <input type="checkbox"/> ZBHA-CLM-DIM-ENC Connected Lighting Module DIM (Must be specified with EN-WCM2-ZB-DR or EN- ALC-ZB-BK-DR Control Unit)³ | <input type="checkbox"/> SNS212-CMP SNS-212 for Grouping ³ | N/A | <input type="checkbox"/> NXSMDDT Indoor Ceiling Mount Sensor - OMNI |
| ACCESSORIES | N/A | <input type="checkbox"/> TMC-SU-5E Tile Mount Carrier <input type="checkbox"/> CBL-5E-CU4-30N 30 linch Sensor cable for CU-4 and IoT Ready <input type="checkbox"/> CBL-5E-CU4-7F 7 Foot sensor cable for CU-4 and IoT Ready Driver | N/A | N/A | N/A | N/A | N/A |
| NOTES | 4- Luminaire will be compatible with LUTRON LRF2-OCR2B-PWH Ceiling mount 360deg occupancy/vacancy sensor & LRF2-DCRB-WH ceiling mount daylight sensor Sensors must be orderd through Lutron | 5- Luminaire will be compatible with ENLIGHTED SU-5E-IoT, SU-5E-CL, SU-5E-IL, SU-5SH, Sensors | 6- Luminaire will be compatible with LEVITON I ntellect APP & Keypad room controller | 7- Luminaire will be compatible with EN-SCPPH-1500-ZB Wireless passive infrared occupancy and photo sensor | 8- Luminaire will be compatible with philips field and wireless switch | 9- Luminaire will be compatible with DLM Room control system LMPB-100. . Sensors must be orderd through Legrand. | N/A |