

**3"****BOLD-3S-SHAL-IC-TWH**

3" TWH Architectural Shallow IC Rated Square Downlight - Trim, Trimless &amp; Millwork

**Bold** Series

FLANGED



TRIMLESS



MILLWORK



BLACK

**APPLICATION & FEATURES**

BOLD-3S-SHAL-IC-TWH 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-3S-SHAL-IC-TWH delivers quiet ceilings and seamless integration into the architectural environment.

Available in three distinct housing options—flanged, trimless, and millwork—BOLD-3S-SHAL-IC-TWH 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-3S-SHAL-IC-TWH supports elevated design intent without compromise.

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

<b>LUMENS</b>	900L, 1200L and 1500L
<b>CCT &amp; DYNAMIC PLATFORMS</b>	18K-40K and 27K-65K
<b>CRI</b>	90+
<b>COLOR QUALITY</b>	2 Step MacAdam Ellipse
<b>DISTRIBUTIONS</b>	Very Narrow Spot (10°), Narrow Spot (15°), Spot (24°), Medium (36°) and Wide (60°)
<b>DRIVER</b>	DIM10, ELDODALI.1 and BLE-CASAMBI
<b>TRIM OPTIONS</b>	<b>Downlight:</b> Flanged, Trimless, Millwork <b>Pinhole:</b> Flanged, Trimless, Millwork
<b>FINISH OPTIONS</b>	<b>Anodized:</b> White (WH), Black (BK), Chrome (CL), Satin Haze (SHZ), Silver (SI), Bronze (BZ), Custom Color (RAL) <b>Diecast:</b> White (WH), Black (BK), Silver (SI), Bronze (BZ), Custom Color (RAL)
<b>EMERGENCY</b>	EMG-10, EMG-20, EMG-10-SDT, EMG-20-SDT and GTD
<b>LIFETIME</b>	LED is rated for >60,000 hours at 70% lumen maintenance
<b>PHOTOMETRIC TESTS</b>	In Accordance with IES LM79-08, LM80 and TM-30, TM-27



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**Bold Series**Tunable White: **BOLD-3S-SHAL-IC-TWH-900L-18K-40K-90-10D-DIM10-MVOLT**

Series	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency	Options	Optical Accessories
<b>BOLD-3S-SHAL-IC-TWH</b>	<b>900L</b>	<b>18K-40K</b>	<b>90+</b>	<b>10D</b> Very Narrow Spot (10°)	<b>DIM10</b>	<b>MVOLT</b>	-	-	-
	<b>1200L</b>	<b>27K-65K</b>		<b>15D</b> Narrow Spot (15°)	<b>ELDODALI.1</b>		All emergency options require top access, remote emergency test switch included	<b>RIF</b> RIF Filter	<b>SOFL</b> Solite Frosted
	<b>1500L <sup>1</sup></b>			<b>24D</b> Spot (24°)	<b>BLE-CASAMBI</b>		<b>EMG-10</b>	<b>REM 2</b> Single Remote Dimming Driver	<b>SFL</b> Soft Focus Lens
				<b>36D</b> Medium (36°)			<b>EMG-20</b>		<b>SPD</b> Spread Linear Lens
				<b>60D</b> Wide (60°)			<b>EMG-10-SDT</b>		<b>UVL</b> UV Lens
							<b>EMG-20-SDT</b>		<b>HCL</b> Honey Comb Louver
							<b>GTD</b>		<b>PRS</b> Prismatic Lens

Any fixture can take maximum 2 Optical Accessories

<sup>1</sup> The highest lumen will not be compatible with any optical accessories<sup>2</sup> Remote mount Maximum distance from light fixture to remote power supply is 100'

using 14 gauge wire, 50' using 16 gauge wire

## FLANGED REFLECTOR TYPE

Example: B3S-302-A-F-W-WH

Trim Option	Trim Construction	Trim Flange Opt.	Reflector Finishes	Flange Finishes
			<b>W</b> White	<b>WH</b> White
<b>B3S-302</b> Open Downlight	<b>B3S-328</b> Solite Lens Downlight 	<b>A</b> Anodized <b>DC</b> Diecast	<b>BK</b> Black	<b>BK</b> Black
			<b>SI</b> Silver	<b>SI</b> Silver
<b>B3S-314</b> Open Pinhole	<b>B3S-315</b> Solite Lens Pinhole 		<b>BZ</b> Bronze	<b>BZ</b> Bronze
			<b>CL 1</b> Chrome	<b>CL 1</b> Chrome
			<b>SHZ 1</b> Satin Haze	<b>SHZ 1</b> Satin Haze
			<b>RAL</b> Custom Color (Consult Factory)	<b>RAL</b> Custom Color (Consult Factory)

<sup>1</sup> Only available in anodized

## TRIMLESS/MILLWORK REFLECTOR TYPE

Example: B3S-302-TL-MW-A-TL-WH

Trim Option	Trim Construction	Trim Flange Opt.	Reflector Finishes
		<b>TL</b> Trimless	<b>WH</b> White
<b>B3S-302</b> Trimless Open Downlight	<b>A</b> Anodized <b>DC</b> Diecast	<b>MW 1</b> Millwork	<b>BK</b> Black
		<b>DMW 2</b> Diecast Millwork	<b>SI</b> Silver
<b>B3S-314</b> Trimless Open Pinhole			<b>BZ</b> Bronze
			<b>CL 1</b> Chrome
			<b>SHZ 1</b> Satin Haze
<b>B3S-315</b> Trimless Solite Lens Pinhole 			<b>RAL</b> Custom Color (Consult Factory)

<sup>1</sup> Only available in anodized   <sup>2</sup> Only available in diecast

## DESCRIPTION

The BOLD-3S-SHAL-IC-TWH 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-3S-SHAL-IC-TWH 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-3S-SHAL-IC-TWH 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.

## HOUSING

The housing is engineered for shallow plenum spaces, with a compact 2 1/2-inch height that provides a low-profile solution without compromising performance. Constructed from 18-gauge cold-rolled steel, the housing ensures exceptional mechanical strength, thermal efficiency, and long-term durability. The matte black powder-coated finish reduces internal reflections and enhances heat management, contributing to glare-free illumination.

Housing is IC-rated and can be installed in direct contact with insulation, ensuring proper thermal performance without requiring a minimum clearance from insulation materials. Integrated thermal protection safeguards against overheating, even in constrained ceiling spaces. The 90°C-rated junction box features multiple 1/2" knockouts and accommodates 4-in/4-out through-branch wiring with snap-on access covers for efficient installation.

**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.

**TUNABLE WHITE OPTION**

Tunable White allows the luminaires to be color tuned via various controls. Create the perfect environment for the desired use of the space or mimic the natural color patterns throughout the day and stimulate circadian rhythm. Available in tuning range of 50K27K (TWH-50K-27K), 65K-27K (TWH-65K-27K).

**RGB+WHITE OPTION**

Refine your space with RGB+W, which provides complete control over hue, color temperature, saturation, and dimming for design versatility. RGB + White technology has a color tuning range from 1800K to 6500K. RGB color range derived from the primary colors red, green and blue is used to create infinite color options in the RGB palette, adding colors together in varying amounts to create new ones. RGB + White technology enables users to adjust the color temperature, adding gradients of saturated colors. No longer restricted to white light LEDs, lighting designers and architects can manipulate a space with desired hues and shades, altering the color temperature of the room, creating the perfect environment. The use of RGB Tunable White technology in allows infinite possibilities for any application

**DIMMING & DRIVER INFORMATION**

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

** 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)

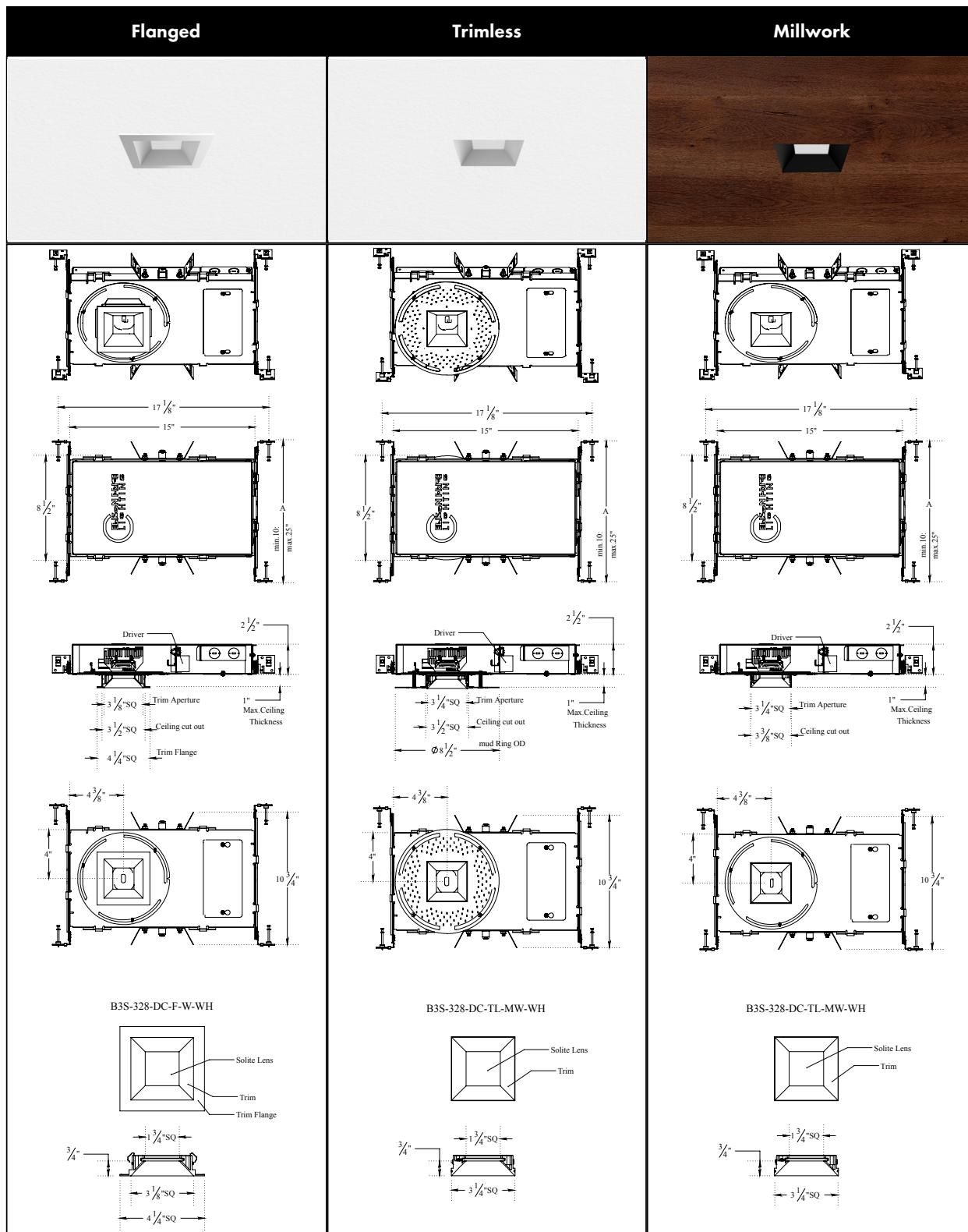
**LISTINGS**

- 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.

3"

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**Bold Series**

BRAND	LUTRON	enlighted™	LEVITON	ENCELLIUM	PHILIPS	legrand®	NA LIGHTING CONTROLS	
CONTROL UNIT	<input type="checkbox"/> <b>FCJS-010</b> Lutron Vive 0-10V Individual Pow Pak (Luminaire is shipped Vive Enabled) <b>14</b> <input type="checkbox"/> <b>FCJS-ECO</b> Lutron Vive Eco-system Pow Pak (Luminaire is shipped Vive Enabled) <input type="checkbox"/> <b>A-WN-D01-RF-WH</b> Athena wireless node (RF only) (White) <input type="checkbox"/> <b>A-WN-D01-OCC-WH</b> Athena wireless node with sensor (White)		<input type="checkbox"/> <b>CU-4E-FMH</b> Fixture Mount Control Unit <b>15</b>	<input type="checkbox"/> <b>ZL027-NOW</b> Intellect Power Control Module <b>16</b>	<input type="checkbox"/> <b>EN-WCM2-ZB-DR</b> Wireless Control Module <b>17</b>	<input type="checkbox"/> <b>XITANIUM SR LED DRIVER</b> The Philips Advance Xitanium SR LED driver <b>18</b>	<input type="checkbox"/> <b>LMFC-011</b> ON/OFF/0-10V dimming fixture controller <b>19</b>  <input type="checkbox"/> <b>FS-PP-V2 FS-PP</b> Fixture Integrated Sensor Power Pack <b>19</b>  <input type="checkbox"/> <b>LMFS-601</b> Integrated Fixture Sensor & Controller	
INTEGRATED OCCUPANCY & DAYLIGHT SENSOR	<input type="checkbox"/> <b>DFCSJ-OEM-OCC</b> Clear Connect (RF) and Occupancy/Daylight Sensing <b>2</b>  <b>Must be Specified with CU-4E-FMH Control Unit</b>		<input type="checkbox"/> <b>SU-5E-IoT</b> IoT Node Micro Sensor  <input type="checkbox"/> <b>SU-5E-CL</b> Connected Micro Sensor  <input type="checkbox"/> <b>SU-5E-IL</b> Indipendent Micro Sensor  <input type="checkbox"/> <b>SU-5S-H(IoT/CL/IL)</b> Serface Mount Sensor <b>2</b>	<input type="checkbox"/> <b>ZL00J-TOW</b> Intellect Intelligent Fixture Control System <b>2</b>	<input type="checkbox"/> <b>EN-CLM-PIR-DD-ZB</b> SensiLUM™ Wireless Integrated Sensor	<input type="checkbox"/> <b>SNS 212</b> EasyAir Daylight and Occupancy sensor	<input type="checkbox"/> <b>FD-301</b> Fixture integrated Daylight Dimming Sensor <b>2</b>  <input type="checkbox"/> <b>FS-205</b> Fixture integrated passive infrared occupancy sensor <b>2</b>	
*WIRELESS OCCUPANCY SENSOR	<input type="checkbox"/> <b>LRF2-OCR2B-P-WH</b> Ceiling mount360°, occupancy/vacancy sensor <b>3</b>	N/A	N/A		<input type="checkbox"/> <b>EN-SCPPH-1500-ZB</b> Wireless Passive Infrared Occupancy and Photo Sensors <b>3</b>	N/A	<input type="checkbox"/> <b>LMDC-100</b> Dual technology PIR Ceiling Mount Occupancy Sensor <b>3</b>	
*WIRELESS DAYLIGHT SENSOR	<input type="checkbox"/> <b>LRF2-DCRB-WH</b> Ceiling-mount daylight sensor <b>3</b>	N/A	N/A		<input type="checkbox"/> <b>EN-SCPPH-1500-ZB</b> Wireless Passive Infrared Occupancy and Photo Sensors <b>3</b>	N/A	<input type="checkbox"/> <b>LMLS-400</b> Single zone switching and dimming digital photosensor <b>3</b>	
*WIRELESS OCCUPANCY & DAYLIGHT SENSOR		N/A	<input type="checkbox"/> <b>SU-5E-IoT</b> IoT Node Micro Sensor  <input type="checkbox"/> <b>SU-5E-CL</b> Connected Micro Sensor  <input type="checkbox"/> <b>SU-5E-IL</b> Indipendent Micro Sensor  <input type="checkbox"/> <b>SU-5S-H (IoT/CL/IL)</b> Serface Mount Sensor <b>3</b>  <b>Must be specified with CU-4E-FMH Control Unit</b>	<input type="checkbox"/> <b>ZL00J-TOW</b> Intellect Intelligent Fixture Control System	<input type="checkbox"/> <b>EN-CLMPIR-DD-ZB</b> SensiLUM™ Wireless Integrated Sensor	<input type="checkbox"/> <b>SNS212-CMP</b> SNS212 for Grouping <b>3</b>		<input type="checkbox"/> <b>NXSMDT</b> Indoor Ceiling Mount Sensor - OMNI
ACCESSORIES		N/A	<input type="checkbox"/> <b>TMC-SU-5E</b> Tile Mount Carrier  <input type="checkbox"/> <b>CBL-5E-CU4-30N</b> 30 inch Sensor cable for CU-4 and IoT Ready  <input type="checkbox"/> <b>CBL-5E-CU4-7F</b> 7 Foot sensor cable for CU-4 and IoT Ready Driver	N/A	N/A	N/A	N/A	

1- Luminaire will be shipped with Powerpacks pr e-installed, ready to be integrated to designated contol systems

2- Luminaire will be shipped with Sensorsi ns talled 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. Luminair es will be ready to be integrated with designated cont ro systems

4- Luminaire will be compatible with LUTRON LRF2-0CR2B-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-5SSH, Sensors

6- Luminaire will be compatible with LEVITON Intellect 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.