

# 3"

# BOLD-3-SHAL-WW-TWH

3" TWH Architectural Shallow Wallwash Round Downlight - Trim, Trimless & Millwork

**Bold Series**



### APPLICATION & FEATURES

BOLD-3-SHAL-WW-TWH Wallwash is a specification-grade architectural LED luminaire designed to provide exceptional uniformity and smooth wall illumination. With field-changeable optics and tool-less trim interchangeability, BOLD-3-SHAL-WW-TWH Wallwash ensures consistent, glare-free light distribution across vertical surfaces, creating visually engaging environments without harsh shadows or hotspots. Its precise beam angles are optimized for wall washing, enhancing architectural elements with a seamless, even light coverage.

Available in three distinct housing options—flanged, trimless, and millwork—BOLD-3-SHAL-WW-TWH Wallwash adapts to a variety of ceiling conditions, offering a sleek, integrated aesthetic. The system features 98 CRI with 1x2 Step MacAdam Ellipse color consistency, ensuring perfect color accuracy and visual harmony. Additionally, it supports multiple dimming protocols down to 0.1%, allowing for complete control over light levels to create the desired ambiance.

Perfect for commercial, hospitality, retail, institutional, civic, cultural, corporate, academic, healthcare, luxury residential, gallery, and museum environments, BOLD-3-SHAL-WW-TWH Wallwash enhances the architectural beauty of any space while providing optimal wall illumination.

As part of the BOLD family, which includes downlight and adjustable accent options, BOLD-3-SHAL-WW-TWH offers both static and dynamic color technologies, enabling you to meet the evolving demands of high-performance lighting design.

<b>LUMENS</b>	900L, 1200L, 1500L and 2000L
<b>CCT &amp; DYNAMIC PLATFORMS</b>	18K-40K and 27K-65K
<b>CRI</b>	90+
<b>COLOR QUALITY</b>	2 Step MacAdam Ellipse
<b>DRIVERS</b>	DIM10, ELDODALI.1 and BLE-CASAMBI
<b>TRIM OPTIONS</b>	<b>Wallwash:</b> Flanged, Trimless, Millwork
<b>FINISH OPTIONS</b>	<b>Diecast:</b> White (WH)
<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
<b>LISTINGS</b>	  

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**Tunable White: BOLD-3-SHAL-WW-TWH-900L-1 8K-40K-90-DIM10-MVOLT**

Series	Lumens	CCT	CRI	Driver	Voltage	Emergency	Options
<b>BOLD-3-SHAL-WW-TWH</b>	<b>900L</b>	<b>18K-40K</b>	<b>90+</b>	<b>DIM10</b>	<b>MVOLT</b>	-	-
	<b>1200L</b>	<b>27K-65K</b>		<b>ELDODALI.1</b>		All emergency options require top access, remote emergency test switch included	<b>RIF</b> RIF Filter
	<b>1500L</b>			<b>BLE-CASAMBI</b>		<b>EMG-10</b>	<b>REM 2</b>
	<b>2000L 1</b>					<b>EMG-20</b>	Single Remote Dimming Driver
					<b>EMG-10-SDT</b>	<b>BABA</b>	
					<b>EMG-20-SDT</b>	Made in America Compliance	
					<b>GTD</b>		

98+ CRI is available only on 27K, 30K and 40K    **1** DIMTR is only available with 120V    **2** 347V is only available with DIM10    **3** 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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## FLANGED REFLECTOR TYPE

Example: **B3R-307-DC-F-W-WH**

Trim Option	Trim Construction	Trim Flange Opt.	Reflector Finishes	Flange Finishes
 <b>B3R-307</b> Solite Lens Wallwash WET LOCATION	<b>DC</b> Diecast	<b>F</b> Flanged	<b>W</b> White	<b>WH</b> White

**Note:** All extra optical accessories, aperture assemblies, and optics can be ordered separately. Check our website for ordering nomenclature.

## TRIMLESS/MILLWORK REFLECTOR TYPE

Example: **B3R-307-TL-DC-TL-WH**

Trim Option	Trim Construction	Trim Flange Opt.	Reflector Finishes
 <b>B3R-307</b> Trimless Solite Lens Wallwash WET LOCATION	<b>DC</b> Diecast	<b>TL</b> Trimless <b>DMW</b> Diecast Millwork	<b>WH</b> White

**Note:** All extra optical accessories, aperture assemblies, and optics can be ordered separately. Check our website for ordering nomenclature.

**DESCRIPTION**

The BOLD-3-SHAL-WW-TWH Wall Wash delivers smooth, even illumination across vertical surfaces with architectural precision. Its fixed optical assembly is engineered to maintain uniform light distribution from ceiling to floor, eliminating hot spots and scalloping. The reflector and lens system are optimized to deliver maximum wall uniformity while keeping glare to a minimum—supporting quiet ceilings and visual comfort in any space.

**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.

**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, 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.

**WALLWASH TRIM**

The wall wash housing offers 360° rotation and up to 30° tilt. This range of movement allows the wall wash housing to be positioned and directed in either direction along the wall, ensuring precise control of light placement for uniform illumination across the vertical surface. Hot aiming further ensures accurate, permanent positioning.

**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, it ensures durability and efficient thermal management with a matte black powder-coated finish.

Housing is Non-IC rated and may not be installed in direct contact with insulation; a minimum clearance of 3 inches must be maintained from all insulation materials to ensure proper thermal performance. Integrated thermal protection prevents overheating in high-ambient conditions. The 90°C-rated junction box includes multiple 1/2" knockouts and supports 4-in/4-out through-branch wiring.

### 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.

### 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 50K-27K (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

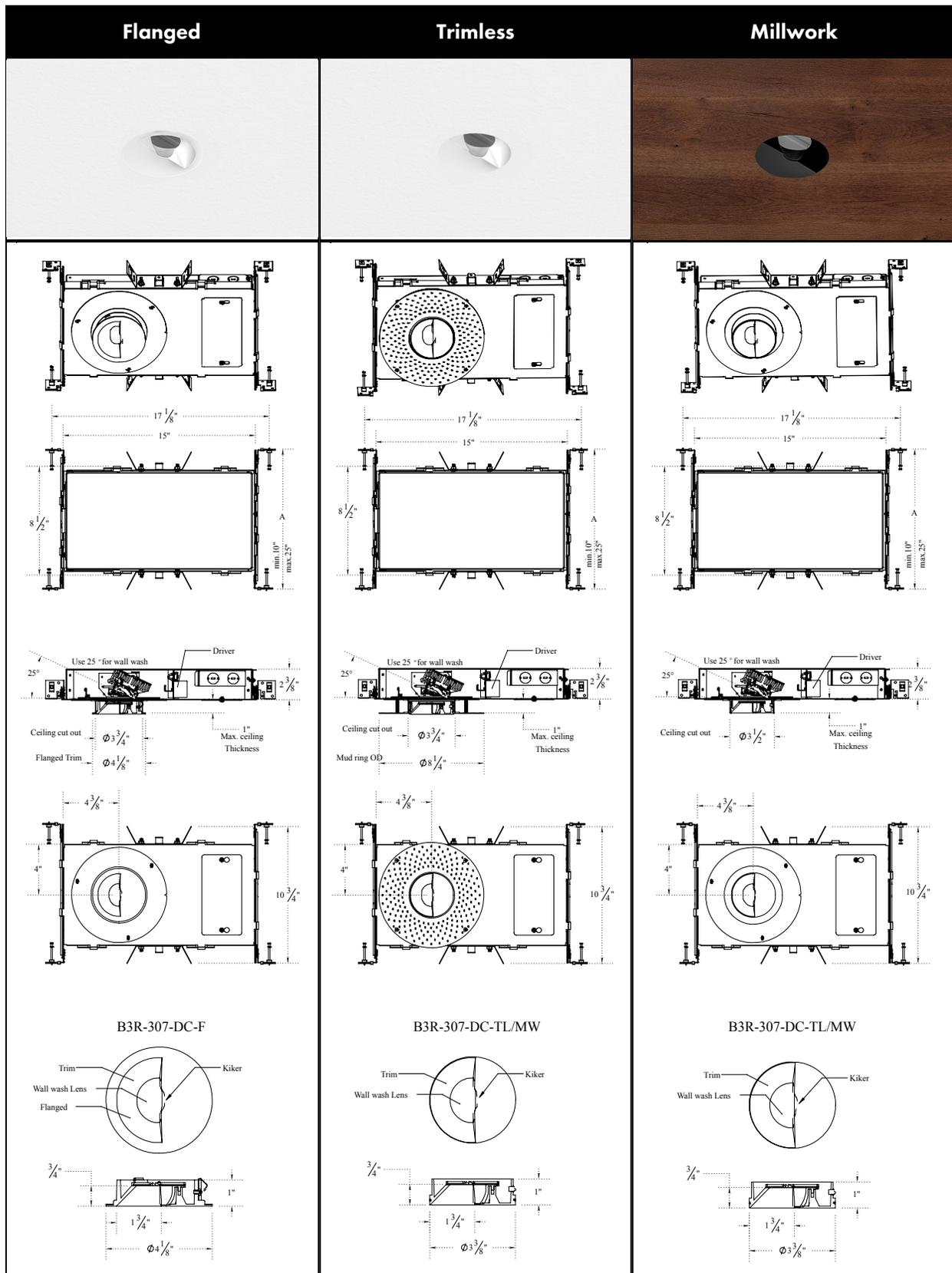
- BABAA Compliant for government procurement under FAR, DFARS, and DOT regulations.

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BRAND										
CONTROL UNIT	<input type="checkbox"/> <b>FCJS-010</b> Lutron Vive 0-10V Individual Pow Pak (Luminare is shipped Vive Enabled) <b>1 4</b>	<input type="checkbox"/> <b>CU-4E-FMH</b> Fixture Mount Control Unit <b>1 5</b>	<input type="checkbox"/> <b>ZL027-NOW</b> Intellect Power Control Module <b>1 6</b>	<input type="checkbox"/> <b>EN-WCM2-ZB-DR</b> Wireless Control Module <b>1 7</b>	<input type="checkbox"/> <b>XITANIUM SR LED DRIVER</b> The Philips Advance Xitanium SR LED driver <b>1 8</b>	<input type="checkbox"/> <b>LMFC-011</b> ON/OFF/0-10V dimming fixture controller <b>1 9</b>	<input type="checkbox"/> <b>NXFM-1R2D-OUNV</b> NX Fixture Module, Offset, 1 Relay, 2 0-10V Dimming Channels, 120-347VAC, Blue			
	<input type="checkbox"/> <b>FCJS-ECO</b> Lutron Vive Eco-system Pow Pak (Luminare 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)									
INTEGRATED OCCUPANCY & DAYLIGHT SENSOR	<input type="checkbox"/> <b>DFCSJ-OEM-OCC</b> Clear Connect (RF) and Occupancy/Daylight Sensing <b>2</b>	<input type="checkbox"/> <b>SU-5E-IoT</b> IoT Node Micro Sensor	<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>NXRm</b> HubbNETM Radio Module			
		<input type="checkbox"/> <b>SU-5E-CL</b> Connected Micro Sensor								
		<input type="checkbox"/> <b>SU-5E-IL</b> Independent Micro Sensor	<input type="checkbox"/> <b>ZL00J-DOW</b> Intellect Intelligent Fixture Control System <b>2</b>	<input type="checkbox"/> <b>ZBHACLm-DIM-ENC</b> Connected Lighting Module DIM <b>2</b>				<input type="checkbox"/> <b>SNS300</b> SNS300 for networks <b>2</b>	<input type="checkbox"/> <b>FS-205</b> Fixture integrated passive infrared occupancy sensor <b>2</b>	<input type="checkbox"/> <b>NXSMP2-OMNI</b> Integrated Fixture Sensor & Controller
		<input type="checkbox"/> <b>SU-5S-H(IoT/CL/IL)</b> Surface Mount Sensor <b>2</b> <i>Must be Specified with CU-4E-FMH Control Unit</i>								
* WIRELESS OCCUPANCY SENSOR	<input type="checkbox"/> <b>LRF2-OCR2B-P-WH</b> Ceiling mount 360°, 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>	<input type="checkbox"/> <b>NXSMP2-SMI</b> NX Slide Mount Indoor Sensor Module			
* WIRELESS OCCUPANCY & DAYLIGHT SENSOR	N/A	<input type="checkbox"/> <b>SU-5E-IoT</b> IoT Node Micro Sensor	<input type="checkbox"/> <b>ZL00J-TOW</b> Intellect Intelligent Fixture Control System	<input type="checkbox"/> <b>EN-CLMPH-PIR-DD-ZB</b> SensiLUM™ Wireless Integrated Sensor	<input type="checkbox"/> <b>SNS212-CMP</b> SNS-212 for Grouping <b>3</b>	N/A	<input type="checkbox"/> <b>NXSMDT</b> Indoor Ceiling Mount Sensor - OMNI			
		<input type="checkbox"/> <b>SU-5E-CL</b> Connected Micro Sensor								
		<input type="checkbox"/> <b>SU-5E-IL</b> Independent Micro Sensor	<input type="checkbox"/> <b>ZL00J-DOW</b> Intellect Intelligent Fixture Control System <b>3</b>	<input type="checkbox"/> <b>ZBHACLm-DIM-ENC</b> Connected Lighting Module DIM <b>3</b>						
		<input type="checkbox"/> <b>SU-5S-H(IoT/CL/IL)</b> Surface Mount Sensor <b>3</b> <i>Must be specified with CU-4E-FMH Control Unit</i>								
ACCESSORIES	N/A	<input type="checkbox"/> <b>TMC-SU-5E</b> Tile Mount Carrier	N/A	N/A	N/A	N/A	N/A			
		<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								

- 1- Luminare will be shipped with Powerpacks pre-installed, ready to be integrated to designated control systems
- 2- Luminare will be shipped with Sensors installed on the luminare, allowing for individual luminare control. Luminaires will be ready to be integrated with designated control systems
- 3- Luminare will be shipped with Sensors to be remotely installed on the ceiling. Luminaires will be ready to be integrated with designated control systems
- 4- Luminare will be compatible with LUTRON LRF2-OCR2B-PWH Ceiling mount 360deg occupancy/vacancy sensor & LRF2-DCRB-WH ceiling mount daylight sensor. Sensors must be ordered through Lutron
- 5- Luminare will be compatible with ENLIGHTED SU-5E-IoT, SU-5E-CL, SU-5E-IL, SU-5S-H, Sensors
- 6- Luminare will be compatible with LEVITON Intellect APP & Keypad room controller
- 7- Luminare will be compatible with EN-SCPPH-1500-ZB Wireless passive infrared occupancy and photo sensor
- 8- Luminare will be compatible with philips field and wireless switch
- 9- Luminare will be compatible with DLM Room control system LMPB-100. Sensors must be ordered through Legrand.