

# 3"

## 3" Architectural Round Downlight - Trim, Trimless & Millwork

# BOLD-3

## Bold Series



### APPLICATION & FEATURES

BOLD-3 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 delivers quiet ceilings and seamless integration into the architectural environment.




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

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

Lumens	Wattage
900	11
1200	14
1500	17
2000	22
2500	28

<b>LUMENS</b>	<b>High Performance:</b> 900L, 1200L, 1500L, 2000L and 2500L <b>Warm Dimming:</b> 900L, 1200L, 1500L and 2000L <b>Xicato Artist:</b> 900L, 1200L and 1500L
<b>CCT &amp; DYNAMIC PLATFORMS</b>	<b>High Performance:</b> 27K, 30K, 35K, 40K and 50K <b>Warm Dimming:</b> 18K-30K <b>Xicato Artist:</b> 27K, 30K, 30K-VIB, 35K and 40K
<b>CRI</b>	<b>High Performance:</b> 90+ and 98+ <b>Warm Dimming:</b> 90+ <b>Xicato Artist:</b> 90+ and 98+
<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>DRIVERS</b>	<b>High Performance:</b> DIM10, LUTH, LUTFTB, ELDO10.1-LIN, ELDODMX.1, ELDODALI.1, DIMTR, BLE-CASAMBI, POE, DIM10-0-OFF, ELDO10-LOG, XSR and DIM10-AUX <b>Warm Dimming:</b> DIM10, LUTH, LUTFTB, ELDO10.1-LIN, ELDODMX.1, ELDODALI.1, DIMTR, BLE-CASAMBI, POE, DIM10-0-OFF, ELDO10-LOG, XSR and DIM10-AUX <b>Xicato Artist:</b> DIM10, LUTH, LUTFTB, ELDO10.1-LIN, ELDODMX.1, ELDODALI.1, DIMTR, BLE-CASAMBI, POE, DIM10-0-OFF, ELDO10-LOG, XSR and DIM10-AUX
<b>TRIM OPTIONS</b>	<b>Downlight:</b> Flanged, Trimless, Millwork <b>Pinhole:</b> Flanged, Trimless, Millwork
<b>FINISH OPTIONS</b>	<b>Anodized:</b> Chrome (CL), Satin Haze (SHZ) <b>Diecast:</b> White (WH), Black (BK), 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-21
<b>LISTINGS</b>	  

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### High Performance: BOLD-3-900L-27K-90-10D-DIM10-120V-Bar Hanger

Series	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency	Bar Hanger	Options	Optical Accessories
<b>BOLD-3</b>	<b>900L</b>	<b>27K</b>	<b>90+</b>	<b>10D</b>	<b>DIM10</b>	<b>120V</b>	-	<b>Bar Hanger</b>	-	-
	<b>1200L</b>	<b>30K</b>	<b>98+ 2</b>	Very Narrow Spot (10°)	<b>LUTH</b>	<b>MVOLT</b>	All emergency options require top access, remote emergency test switch included	-	<b>RIF</b>	<b>SOFL</b>
	<b>1500L</b>	<b>35K</b>		<b>15D</b>	<b>LUTFTB</b>	<b>347V 4</b>		Standard bar hangers included	<b>RIF Filter</b>	Solite Frosted
	<b>2000L</b>	<b>40K</b>		Narrow Spot (15°)	<b>ELDO10.1-LIN</b>			<b>BP27</b>	<b>REM 5</b>	Single Remote Dimming Driver
	<b>2500L 1</b>	<b>50K</b>		<b>24D</b>	<b>ELDODMX.1</b>			<b>EMG-10</b>	<b>BABA</b>	Made in America Compliance
			Spot (24°)	<b>ELDODALI.1</b>		<b>EMG-20</b>		<b>BP32</b>	<b>Controls</b>	See last page
			Medium (36°)	<b>36D</b>	<b>DIMTR 3</b>		<b>EMG-10-SDT</b>	27"C-channel bar hangers		
			Wide (60°)	<b>60D</b>	<b>BLE-CASAMBI</b>		<b>EMG-20-SDT</b>	32"C-channel bar hangers		
					<b>POE</b>		<b>GTD</b>	<b>BP52</b>		
					<b>DIM10-0-OFF</b>			52"C-channel bar hangers		
					<b>ELDO10-LOG</b>					
					<b>XSR</b>					
					<b>DIM10-AUX</b>					

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

### Warm Dimming: BOLD-3-WDM-900L-18K-30K-90-10D-DIM10-120V

Series	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency	Options	Optical Accessories
<b>BOLD-3-WDM</b>	<b>900L</b>	<b>18K-30K</b>	<b>90+</b>	<b>10D</b>	<b>DIM10</b>	<b>120V</b>	-	-	-
	<b>1200L</b>			Very Narrow Spot (10°)	<b>LUTH</b>	<b>MVOLT</b>	All emergency options require top access, remote emergency test switch included	<b>RIF</b>	<b>SOFL</b>
	<b>1500L</b>			<b>15D</b>	<b>LUTFTB</b>	<b>347V 3</b>		<b>RIF Filter</b>	Solite Frosted
	<b>2000L 1</b>			Narrow Spot (15°)	<b>ELDO10.1-LIN</b>			<b>REM 4</b>	Single Remote Dimming Driver
				<b>24D</b>	<b>ELDODMX.1</b>			<b>EMG-10</b>	<b>BABA</b>
			Spot (24°)	<b>ELDODALI.1</b>		<b>EMG-20</b>			
			Medium (36°)	<b>36D</b>	<b>DIMTR 2</b>		<b>EMG-10-SDT</b>		
			Wide (60°)	<b>60D</b>	<b>BLE-CASAMBI</b>		<b>EMG-20-SDT</b>		
					<b>POE</b>		<b>GTD</b>		
					<b>DIM10-0-OFF</b>				
					<b>ELDO10-LOG</b>				
					<b>XSR</b>				
					<b>DIM10-AUX</b>				

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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Xicato Artist: **BOLD-3-XIA-900L-27K-90-10D-DIM10-120V**

Series	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency	Options	Optical Accessories
<b>BOLD-3-XIA</b>	<b>900L</b>	<b>27K</b>	<b>90+</b>	<b>10D</b>	<b>DIM10</b>	<b>120V</b>	-	-	-
	<b>1200L</b>	<b>30K</b>	<b>98+ 2</b>	Very Narrow Spot (10°)	<b>LUTH</b>	<b>MVOLT</b>	All emergency options require top access, remote emergency test switch included	<b>RIF</b>	<b>SOFL</b>
	<b>1500L 1</b>	<b>30K-VIB</b>		<b>15D</b>	<b>LUTFTB</b>	<b>347V 4</b>		<b>REM 5</b>	Solite Frosted
		<b>35K</b>		Narrow Spot (15°)	<b>ELDO10.1-LIN</b>			<b>EMG-10</b>	Single Remote Dimming Driver
		<b>40K</b>		<b>24D</b>	<b>ELDODMX.1</b>			<b>EMG-20</b>	<b>BABA</b>
				Spot (24°)	<b>ELDODALI.1</b>			<b>EMG-10-SDT</b>	Made in America Compliance
				<b>36D</b>	<b>DIMTR 3</b>			<b>EMG-20-SDT</b>	
				Medium (36°)	<b>BLE-CASAMBI</b>			<b>GTD</b>	
				<b>60D</b>	<b>POE</b>				
				Wide (60°)	<b>DIM10-0-OFF</b>				
				<b>ELDO10-LOG</b>					
				<b>XSR</b>					
				<b>DIM10-AUX</b>					

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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### FLANGED REFLECTOR TYPE





Example: **B3R-302-A-F-W-WH**

Trim Option		Trim Construction	Trim Flange Opt.	Reflector Finishes	Flange Finishes
		<b>A</b> Anodized	<b>F</b> Flanged	<b>W</b> White	<b>WH</b> White
<b>B3R-302</b> Open Downlight	<b>B3R-328</b> Solite Lens Downlight WET LOCATION	<b>DC</b> Diecast		<b>BK</b> Black	<b>BK</b> Black
				<b>CL 1</b> Chrome	<b>CL 1</b> Chrome
<b>B3R-314</b> Open Pinhole	<b>B3R-315</b> Solite Lens Pinhole WET LOCATION			<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)

**1** Only available in anodized

### TRIMLESS/MILLWORK REFLECTOR TYPE

Example: **B3R-302-TL-A-TL-WH**

Trim Option		Trim Construction	Trim Flange Opt.	Reflector Finishes
		<b>A</b> Anodized	<b>TL</b> Trimless	<b>WH</b> White
<b>B3R-302</b> Trimless Open Downlight	<b>B3R-328</b> Trimless Solite Lens Downlight WET LOCATION	<b>DC</b> Diecast	<b>MW 1</b> Millwork	<b>BK</b> Black
			<b>DMW 2</b> Diecast Millwork	<b>CL 1</b> Chrome
<b>B3R-314</b> Trimless Open Pinhole	<b>B3R-315</b> Trimless Solite Lens Pinhole WET LOCATION			<b>SHZ 1</b> Satin Haze
				<b>RAL</b> Custom Color (Consult Factory)

**1** Only available in anodized    **2** Only available in diecast

**DESCRIPTION**

The BOLD-3 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 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 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. It can be positioned closer to the aperture for maximum output or recessed deeper to reduce glare and maintain quieter ceiling aesthetics. 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**

Constructed from 18-gauge cold-rolled steel, housing delivers mechanical strength, thermal stability, and long-term durability. A matte black powder-coated finish minimizes internal reflections and supports passive heat management. This 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 or enclosed plenum conditions.

The 90°C-rated junction box includes multiple 1/2" knockouts and supports 4-in/4-out through-branch wiring with snap-on access covers.

**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**

Dims 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.

**INATURAL 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.

**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

[LUTH](#) - Lutron LDE1 Hi-Lume Eco System with Soft Fade to Black 1% dimming

[LUTFTB](#) - Lutron PEQ0 Hi-Lume Premier Eco System LED Driver with soft-on fade to black 0.1% dimming

[ELDO10.1-LIN](#) - ELDO10-Linear with linear dimming curve.

[ELDODMX.1](#) - EldoLED PowerDrive dimming down to 0.1%. Please see EldoLED website for wiring diagrams and a list of compatible DMX and DALI control systems.

[ELDODALI.1](#) - EldoLED SoloDrive DALI-2. Dimming down to 0.1%

[DIMTR](#) - Triac & Electronic low voltage forward phase dimming. Available in 120V only

[BLE-CASAMBI](#) - Luminaires may be controlled, grouped, scheduled or placed in scenes, and or zones Via Casambi Bluetooth 4.0 App.

[POE](#) - Power-over-Ethernet Depending on the PoE manufacturer selected

[DIM10-O-OFF](#) - Program DIM10-to OFF with linear dimming curve 0.1%

[ELDO10-LOG](#) - ELDO10-LOG with logarithmic dimming curve.

[XSR](#) - Titanium SR Dimming

[DIM10-AUX](#) - 0-10V with Auxiliary power

[DIMTR](#) - Triac & Electronic low voltage forward phase dimming. Available in 120V only

**WARRANTY**

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

**LISTINGS**

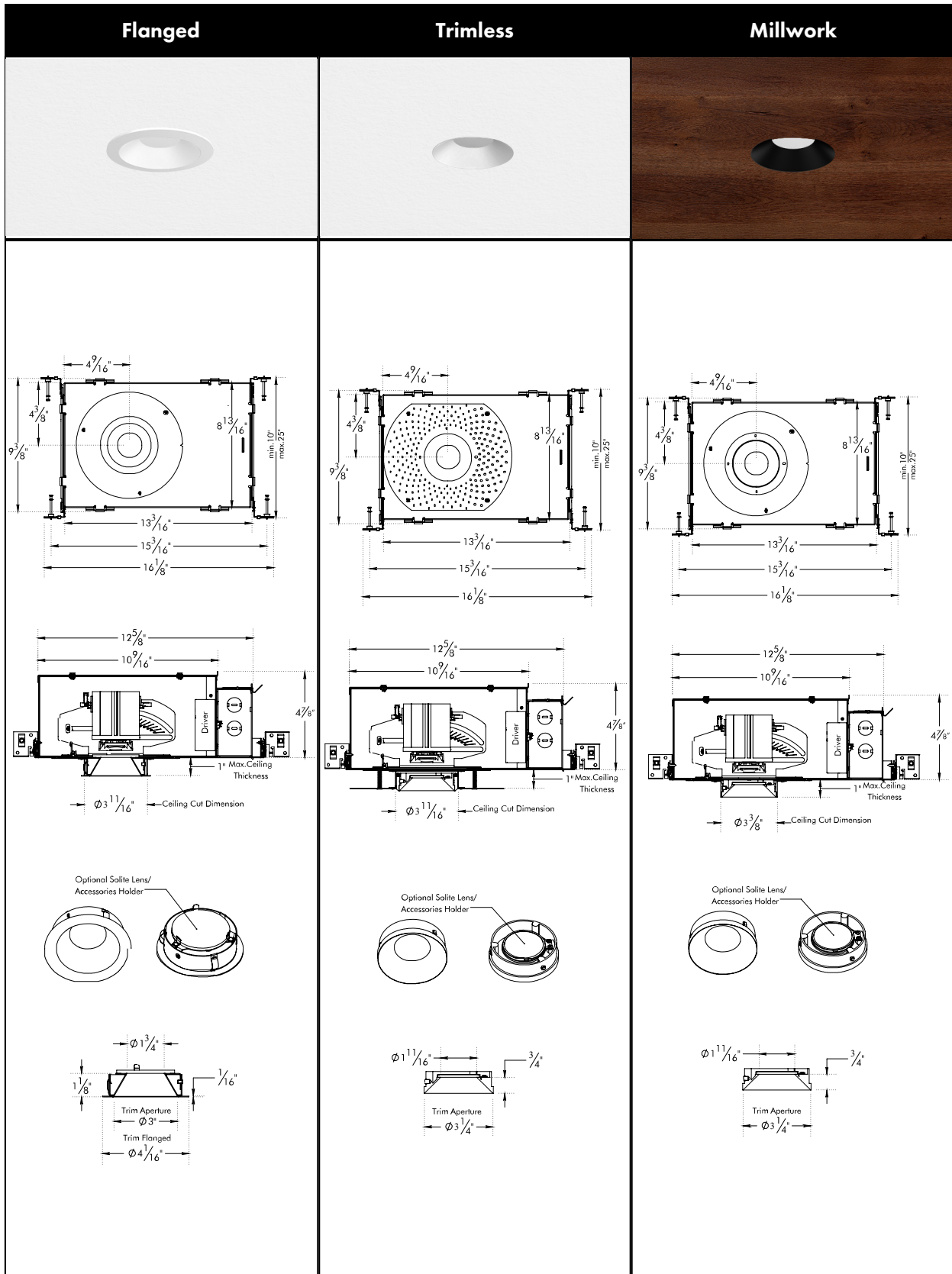
- BABAA Compliant for government procurement under FAR, DFARS, and DOT regulations.

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BOLD-3-2000L-40K-90-15D-DIM10-MVOLT-B3R-318-A-F-CL-WH

TEST NOEPL02242531

INPUT WATTS: 22.8

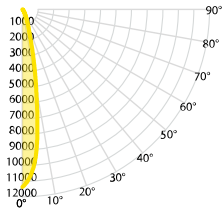
LUMENS: 2105

EFFICACY: 92

BEAM ANGLE: 15

SPACING CRITERIA: 0.32

CANDELA DISTRIBUTION



CANDELA TABLE

Table with 3 columns: Angle (0°, 90°), Candela at 0°, Candela at 90°. Values range from 11382 at 0° to 0 at 90°.

LUMINANCE (cd/sq.m)

Table with 3 columns: Angle (0.00°, 90.00°), Luminance at 0.00°, Luminance at 90.00°. Values range from 974957 at 0.00° to 39 at 90.00°.

LUMENS PER ZONE

Table with 2 columns: Zone, Lumens. Values range from 831 for 0°-10° to 0 for 80°-90°.

ZONAL LUMEN SUMMARY

Table with 3 columns: Zone, Lumens, % Luminaire. Values range from 1610 lumens at 76% for 0°-20° to 2103 lumens at 100% for 0°-90°.

CONE OF LIGHT

Table with 4 columns: Mounting Height, FC at Beam Center, Beam Dia. 0°, Beam Dia. 90°. Values range from 6.0 ft height to 28.5 fc FC.

INDOOR COEFFICIENTS OF UTILIZATION

Large table with 18 columns for utilization coefficients (0% to 100%) and 10 rows for different mounting heights (6.0 ft to 20.0 ft).

BOLD-3-2000L-40K-90-26D-DIM10-MVOLT-B3R-318-A-F-CL-WH

TEST NOEPL02242531

INPUT WATTS: 22.8

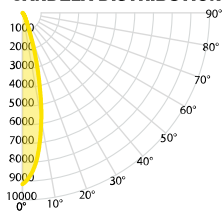
LUMENS: 2189

EFFICACY: 96

BEAM ANGLE: 24

SPACING CRITERIA: 0.41

CANDELA DISTRIBUTION



CANDELA TABLE

Table with 3 columns: Angle (0°, 90°), Candela at 0°, Candela at 90°. Values range from 9156 at 0° to 0 at 90°.

LUMINANCE (cd/sq.m)

Table with 3 columns: Angle (0.00°, 90.00°), Luminance at 0.00°, Luminance at 90.00°. Values range from 784230 at 0.00° to 39 at 90.00°.

LUMENS PER ZONE

Table with 2 columns: Zone, Lumens. Values range from 746 for 0°-10° to 0 for 80°-90°.

ZONAL LUMEN SUMMARY

Table with 3 columns: Zone, Lumens, % Luminaire. Values range from 1683 lumens at 77% for 0°-20° to 2187 lumens at 100% for 0°-90°.

CONE OF LIGHT

Table with 4 columns: Mounting Height, FC at Beam Center, Beam Dia. 0°, Beam Dia. 90°. Values range from 6.0 ft height to 22.9 fc FC.

INDOOR COEFFICIENTS OF UTILIZATION

Large table with 18 columns for utilization coefficients (0% to 100%) and 10 rows for different mounting heights (6.0 ft to 20.0 ft).



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BOLD-3-2000L-40K-90-36D-DIM10-MVOLT-B3R-318-A-F-CL-WH

TEST NO: EPL02242531

INPUT WATTS: 21.7

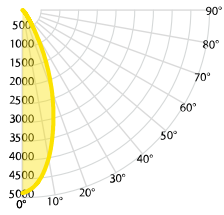
LUMENS: 2364

EFFICACY: 109

BEAM ANGLE: 36

SPACING CRITERIA: 0.61

CANDELA DISTRIBUTION



CANDELA TABLE

Table with 3 columns: Angle (0-90 degrees), Candela at 0 degrees, Candela at 90 degrees.

LUMINANCE (cd/sq.m)

Table with 3 columns: Angle (0-90 degrees), Luminance at 0.00 degrees, Luminance at 90.00 degrees.

LUMENS PER ZONE

Table with 2 columns: Zone (0-90 degree ranges), Lumens.

ZONAL LUMEN SUMMARY

Table with 3 columns: Zone, Umens, % Luminaire.

CONE OF LIGHT

Table with 4 columns: Mounting Height, FC at Beam Center, Beam Dia. 0 degrees, Beam Dia. 90 degrees.

INDOOR COEFFICIENTS OF UTILIZATION

Large table with multiple columns for utilization coefficients (0-100%) and various lighting parameters.

BOLD-3-2000L-40K-90-60D-DIM10-MVOLT-B3R-318-A-F-CL-WH

TEST NO: EPL02242531

INPUT WATTS: 21.7

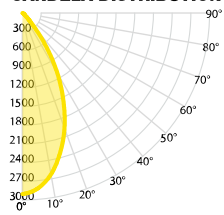
LUMENS: 2264

EFFICACY: 104

BEAM ANGLE: 60

SPACING CRITERIA: 0.80

CANDELA DISTRIBUTION



CANDELA TABLE

Table with 3 columns: Angle (0-90 degrees), Candela at 0 degrees, Candela at 90 degrees.

LUMINANCE (cd/sq.m)

Table with 3 columns: Angle (0-90 degrees), Luminance at 0.00 degrees, Luminance at 90.00 degrees.

LUMENS PER ZONE

Table with 2 columns: Zone (0-90 degree ranges), Lumens.

ZONAL LUMEN SUMMARY

Table with 3 columns: Zone, Umens, % Luminaire.

CONE OF LIGHT

Table with 4 columns: Mounting Height, FC at Beam Center, Beam Dia. 0 degrees, Beam Dia. 90 degrees.

INDOOR COEFFICIENTS OF UTILIZATION

Large table with multiple columns for utilization coefficients (0-100%) and various lighting parameters.



# 3"

3" Architectural Round Downlight - Trim, Trimless & Millwork

# BOLD-3

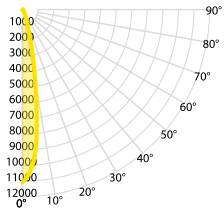
## Bold Series

**BOLD-3-2000L-40K-90-15D-DIM10-MVOLT-B3R-318-DC-F-CL-WH**

TEST NO: **EPL02242531**

INPUT WATTS: **22.9** LUMENS: **1941** EFFICACY: **85** BEAM ANGLE: **15** SPACING CRITERIA: **0.31**

**CANDELA DISTRIBUTION**



**CANDELA TABLE**

	0°	90°
0°	11072	11088
10°	4753	5929
20°	923	1222
30°	254	334
40°	92	110
50°	31	34
60°	5	5
70°	2	2
80°	0	0
90°	0	0

**LUMINANCE (cd/sq.m)**

	0.00°	90.00°
0.00°	948370	949760
45.00°	6647	7586
55.00°	2070	2366
65.00°	474	403
75.00°	261	271
85.00°	177	187

**LUMENS PER ZONE**

ZONE	LUMENS
0° - 10°	787
10° - 20°	709
20° - 30°	273
30° - 40°	108
40° - 50°	45
50° - 60°	14
60° - 70°	3
70° - 80°	1
80° - 90°	0

**ZONAL LUMEN SUMMARY**

ZONE	UMENS	% LUMINAIRE
0° - 20°	1496	77%
0° - 30°	1769	91%
0° - 40°	1876	97%
0° - 60°	1935	100%
0° - 80°	1939	100%
0° - 90°	1939	100%

**CONE OF LIGHT**

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°	BEAM DIA. 90°
6.0 ft	307.5 fc	2.1 ft	2.1 ft
8.0 ft	173.0 fc	2.8 ft	2.9 ft
10.0 ft	110.7 fc	3.6 ft	3.6 ft
12.0 ft	76.9 fc	4.3 ft	4.3 ft
14.0 ft	56.5 fc	5.0 ft	5.0 ft
16.0 ft	43.2 fc	5.7 ft	5.7 ft
18.0 ft	34.2 fc	6.4 ft	6.4 ft
20.0 ft	27.7 fc	7.1 ft	7.1 ft

**INDOOR COEFFICIENTS OF UTILIZATION**

pf	20%																0%							
	80%				70%				50%				30%					10%						
pc	70%		50%		30%		10%		70%		50%		30%		10%		50%		30%		10%		0%	
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	120	120	120	120	118	118	118	118	112	112	112	108	108	108	108	103	103	103	103	103	103	103	103	101
1	116	114	112	110	114	112	110	109	108	107	105	104	103	102	101	100	99	98	97	96	94	94	94	98
2	112	109	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94	92	91	89	88	88	94
3	109	104	100	97	107	103	99	97	100	97	95	98	96	94	96	94	92	91	89	88	86	84	83	91
4	105	100	96	93	104	99	95	92	97	94	91	95	92	90	93	91	89	88	84	81	79	78	85	88
5	102	96	92	89	101	95	92	89	94	90	88	92	89	87	91	88	86	84	83	81	79	77	85	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	83	81	79	77	76	83	83
7	97	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	81	79	77	76	74	74	80	80
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	77	76	74	73	73	78	78
9	92	85	81	78	91	84	81	78	84	80	78	83	80	77	82	79	77	76	74	73	73	73	76	76
10	89	83	79	76	89	82	78	76	82	78	76	81	78	75	80	77	75	74	73	73	73	73	74	74

**CONE OF LIGHT**

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°	BEAM DIA. 90°
6.0 ft	248.5 fc	2.7 ft	2.7 ft
8.0 ft	139.8 fc	3.7 ft	3.7 ft
10.0 ft	89.5 fc	4.6 ft	4.6 ft
12.0 ft	62.1 fc	5.5 ft	5.5 ft
14.0 ft	45.6 fc	6.4 ft	6.4 ft
16.0 ft	34.9 fc	7.3 ft	7.3 ft
18.0 ft	27.6 fc	8.2 ft	8.2 ft
20.0 ft	22.4 fc	9.1 ft	9.1 ft

**INDOOR COEFFICIENTS OF UTILIZATION**

pf	20%																0%							
	80%				70%				50%				30%					10%						
pc	70%		50%		30%		10%		70%		50%		30%		10%		50%		30%		10%		0%	
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	120	120	120	120	117	117	117	117	112	112	112	107	107	107	103	103	103	103	103	103	103	103	103	101
1	116	114	112	110	113	111	110	108	107	106	105	104	103	102	100	99	98	96	95	93	91	90	90	97
2	112	108	105	102	110	106	104	101	103	101	99	100	99	97	98	96	94	92	91	89	87	86	93	93
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	91	89	87	85	83	81	90	90
4	105	99	95	92	103	98	94	91	96	93	90	94	91	89	92	90	88	86	84	82	80	78	87	87
5	101	95	91	88	100	94	90	87	93	89	87	91	88	86	90	87	85	83	81	79	77	76	85	84
6	98	92	87	84	97	91	87	84	90	86	84	88	85	83	87	84	82	80	78	76	74	73	81	81
7	95	89	84	81	94	88	84	81	87	83	81	86	83	80	85	82	80	78	76	74	73	73	79	79
8	93	86	82	79	92	85	81	78	84	81	78	84	80	78	83	80	78	76	74	73	73	73	77	77
9	90	83	79	76	89	83	79	76	82	78	76	81	78	76	81	78	76	74	73	73	73	73	74	74
10	88	81	77	74	87	81	77	74	80	76	74	79	76	74	79	76	74	73	73	73	73	73	74	74



3"

3" Architectural Round Downlight - Trim, Trimless & Millwork

BOLD-3

Bold Series

BOLD-3-2000L-40K-90-36D-DIM10-MVOLT-B3R-318-DC-F-CL-WH

TEST NO: EPL02242531

INPUT WATTS: 21.7

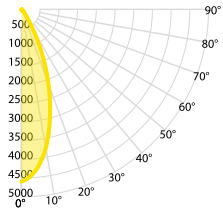
LUMENS: 2158

EFFICACY: 99

BEAM ANGLE: 36

SPACING CRITERIA: 0.60

CANDELA DISTRIBUTION



CANDELA TABLE

Table with 3 columns: Angle (0° to 90°), Candela at 0°, Candela at 90°.

LUMINANCE (cd/sq.m)

Table with 3 columns: Angle (0.00° to 85.00°), Luminance at 0.00°, Luminance at 90.00°.

LUMENS PER ZONE

Table with 2 columns: Zone (0° - 10° to 80° - 90°), Lumens.

ZONAL LUMEN SUMMARY

Table with 3 columns: Zone (0° - 20° to 0° - 90°), Umens, % Luminaire.

CONE OF LIGHT

Table with 4 columns: Mounting Height, FC at Beam Center, Beam Dia. 0°, Beam Dia. 90°.

INDOOR COEFFICIENTS OF UTILIZATION

Large table with multiple columns for utilization coefficients (0% to 100%) across various room types.

BOLD-3-2000L-40K-90-60D-DIM10-MVOLT-B3R-318-DC-F-CL-WH

TEST NO: EPL02242531

INPUT WATTS: 21.7

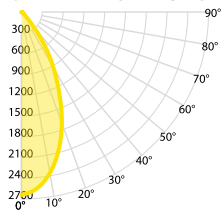
LUMENS: 2000

EFFICACY: 92

BEAM ANGLE: 60

SPACING CRITERIA: 0.77

CANDELA DISTRIBUTION



CANDELA TABLE

Table with 3 columns: Angle (0° to 90°), Candela at 0°, Candela at 90°.

LUMINANCE (cd/sq.m)

Table with 3 columns: Angle (0.00° to 85.00°), Luminance at 0.00°, Luminance at 90.00°.

LUMENS PER ZONE

Table with 2 columns: Zone (0° - 10° to 80° - 90°), Lumens.

ZONAL LUMEN SUMMARY

Table with 3 columns: Zone (0° - 20° to 0° - 90°), Umens, % Luminaire.








CONE OF LIGHT

Table with 4 columns: Mounting Height, FC at Beam Center, Beam Dia. 0°, Beam Dia. 90°.

INDOOR COEFFICIENTS OF UTILIZATION

Large table with multiple columns for utilization coefficients (0% to 100%) across various room types.



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>SU-5S-H(IoT/CL/IL)</b> Surface Mount Sensor <b>2</b> <i>Must be Specified with CU-4E-FMH Control Unit</i>	<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>	
* 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
	<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>	<input type="checkbox"/> <b>LUXSTATLS</b> Luxstat Light Sensor for Luxstat Control Modules, 3 to 6000 FC
* 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-CLMPiR-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>SU-5S-H (IoT/CL/IL)</b> Surface Mount Sensor <b>3</b> <i>Must be specified with CU-4E-FMH Control Unit</i>	<input type="checkbox"/> <b>ZL00J-DOW</b> Intellect Intelligent Fixture Control System <b>3</b> <i>Must be specified with ZL027-NOW and ZL00JDOW Control unit</i>	<input type="checkbox"/> <b>ZBHACLm-DIM-ENC</b> Connected Lighting Module DIM <b>3</b> <i>Must be specified with EN-WCM2-ZB-DR or EN-ALC-ZB-BK-DR 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.