

4"

BOLD-4-FH

4" Flat Housing Downlight - Trim, Trimless & Millwork

Bold Series



APPLICATION & FEATURES

BOLD-4-FH 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-4-FH delivers quiet ceilings and seamless integration into the architectural environment.

Available in three distinct housing options—flanged, trimless, and millwork—BOLD-4-FH 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-4-FH supports elevated design intent without compromise.

As part of a complete family that includes wall wash and adjustable accent options, BOLD-4-FH offers static and dynamic color technologies to meet the evolving demands of high-performance lighting design.

LUMENS	High Performance: 900L, 1200L, 1500L and 2000L Warm Dimming: 900L, 1200L and 1500L Xicato Artist: 900L and 1200L
CCT & DYNAMIC PLATFORMS	High Performance: 27K, 30K, 35K, 40K and 50K Warm Dimming: 18K-30K, 27K-30K and 22K-30K Xicato Artist: 27K, 30K, 30K-VIB, 35K and 40K
CRI	High Performance: 90+ and 98+ Warm Dimming: 90+ Xicato Artist: 90+ and 98+
COLOR QUALITY	2 Step MacAdam Ellipse
DISTRIBUTIONS	Very Narrow Spot (10°), Narrow Spot (15°), Spot (24°), Medium (36°) and Wide (60°)
DRIVER	High Performance: DIM10, DIMTR, ELDO10-LOG, ELDO10.1-LIN, ELDODALI.1 and BLE-CASAMBI Warm Dimming: DIM10, DIMTR, ELDO10-LOG, ELDO10.1-LIN, ELDODALI.1 and BLE-CASAMBI Xicato Artist: DIM10, DIMTR, ELDO10-LOG, ELDO10.1-LIN, ELDODALI.1 and BLE-CASAMBI
TRIM OPTIONS	Downlight: Flanged, Trimless, Millwork Pinhole: Flanged, Trimless, Millwork
FINISH OPTIONS	Anodized: White (WH), Black (BK), Chrome (CL), Satin Haze (SHZ), Silver (SI), Bronze (BZ), Custom Color (RAL) Diecast: White (WH), Black (BK), Silver (SI), Bronze (BZ), Custom Color (RAL)
EMERGENCY	EMG-10, EMG-20, EMG-10-SDT, EMG-20-SDT and 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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4" Flat Housing Downlight - Trim, Trimless & Millwork

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High Performance: BOLD-4-FH-900L-27K-90-10D-DIM10-120V

Series	Flange Options	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency	Options	Optical Accessories
BOLD-4-FH	-	900L	27K	90+	10D	DIM10	120V	-	-	-
	Flanged	1200L	30K	98+ 2	Very Narrow Spot (10°)	DIMTR 3	MVOLT	All emergency options require top access, remote emergency test switch included	RIF	SOFL
	Trimless	1500L	35K		15D	ELDO10-LOG			REM 5	SFL
	Millwork	2000L 1	40K		Narrow Spot (15°)	ELDO10.1-LIN		EMG-10	Single Remote Dimming Driver	Soft Focus Lens
			50K		24D	ELDODALI.1		EMG-20	BABA	SPD
					Spot (24°)	BLE-CASAMBI		EMG-10-SDT	Made in America Compliance	Spread Linear Lens
					36D			EMG-20-SDT		UVL
					Medium (36°)			GTD	Controls	UV Lens
					60D				See last page	HCL
					Wide (60°)					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

Warm Dimming: BOLD-4-FH-WDM-900L-18K-30K-90-15D-DIM10-120V

Series	Flange Options	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency	Options	Optical Accessories
BOLD-4-FH-WDM	-	900L	18K-30K	90+	15D	DIM10	120V	-	-	-
	Flanged	1200L	27K-30K		Narrow Spot (15°)	DIMTR 2	MVOLT	All emergency options require top access, remote emergency test switch included	RIF	SOFL
	Trimless	1500L 1	22K-30K		24D	ELDO10-LOG			REM 4	SFL
	Millwork				Spot (24°)	ELDO10.1-LIN		EMG-10	Single Remote Dimming Driver	Soft Focus Lens
					36D	ELDODALI.1		EMG-20	BABA	SPD
					Medium (36°)	BLE-CASAMBI		EMG-10-SDT	Made in America Compliance	Spread Linear Lens
					60D			EMG-20-SDT		UVL
					Wide (60°)			GTD		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

4"

BOLD-4-FH

4" Flat Housing Downlight - Trim, Trimless & Millwork

Bold Series

Xicato Artist: BOLD-4-FH-XIA-900L-27K-90-10D-DIM10-120V

Series	Flange Options	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency	Options	Optical Accessories		
BOLD-4-FH-XIA	-	900L	27K	90+	10D	DIM10	120V	-	-	-		
	Flanged	1200L 1	30K	98+ 2	Very Narrow Spot (10°)	DIMTR 3	MVOLT	All emergency options require top access, remote emergency test switch included	RIF	SOFL		
	TL		30K-VIB		ELDO10-LOG	RIF Filter			Solite Frosted			
	Trimless					REM 5			Single Remote Dimming Driver	SFL		
	MW										EMG-10	Soft Focus Lens
	Millwork											
	EMG-10-SDT		BABA		Spread Linear Lens							
						EMG-20-SDT			Made in America Compliance	UVL		
GTD		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

4"





BOLD-4-FH

4" Flat Housing Downlight - Trim, Trimless & Millwork

Bold Series

FLANGED REFLECTOR TYPE





Example: **B4R-402-A-F-WH-WH**

Trim Options		Trim Construction	Trim Flange Opt.	Reflector Finishes	Flange Finishes
 B4R-402 Open Downlight	 /media/trim/b4r-428.png (120x200 px) B4R-428 Solite Lens Downlight WET LOCATION	A Anodized DC Diecast	F Flanged	WH White BK Black SI Silver BZ Bronze CL 1 Chrome SHZ 1 Satin Haze RAL Custom Color (Consult Factory)	WH White BK Black SI Silver BZ Bronze CL 1 Chrome SHZ 1 Satin Haze RAL Custom Color (Consult Factory)
 B4R-414 Open Pinhole	 B4R-415 Solite Lens Pinhole WET LOCATION				

1 Only available in anodized

TRIMLESS/MILLWORK REFLECTOR TYPE

Example: **B4R-402-A-TL-WH-WH**

Trim Options		Trim Construction	Trim Flange Opt.	Reflector Finishes
 B4R-402 Open Downlight	 B4R-428 Solite Lens Downlight WET LOCATION	A Anodized DC Diecast	TL Trimless MW Millwork	WH White BK Black SI Silver BZ Bronze CL 1 Chrome SHZ 1 Satin Haze RAL Custom Color (Consult Factory)
 B4R-414 Open Pinhole	 B4R-415 Solite Lens Pinhole WET LOCATION			

1 Only available in anodized

DESCRIPTION

The BOLD-4-FH 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-4-FH 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-4-FH 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.

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.

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

[!\[\]\(b538fe54c1f3a7343e37e85cc2d00497_img.jpg\) **DIM10**](#) - 0-10V dimming on either MVOLT 120, 277 or 347V. Dimmable down to 1% of initial lumens, standard

[!\[\]\(5abce1a84a655b073239ab33e1199487_img.jpg\) **DIMTR**](#) - Triac & Electronic low voltage forward phase dimming. Available in 120V only

[!\[\]\(21226b58c700e5231ab98d27101bac58_img.jpg\) **ELDO10-LOG**](#) - ELDO10-LOG with logarithmic dimming curve.

[!\[\]\(097cdd6c9c875b64d9b8c9a2409491c4_img.jpg\) **ELDO10.1-LIN**](#) - ELDO10-Linear with linear dimming curve.

[!\[\]\(f9f168a9979beed8b01f8750d577d508_img.jpg\) **ELDODALI.1**](#) - EldoLED SoloDrive DALI-2. Dimming down to 0.1%

[!\[\]\(111c5272ee3f91361f0d2e3665dd6ad0_img.jpg\) **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.

4"

BOLD-4-FH

4" Flat Housing Downlight - Trim, Trimless & Millwork

Bold Series

Flanged	Trimless	Millwork
B4R-428-DC-F-W	B4R-428-DC-TL-MW	B4R-428-DC-TL-MW

4"

BOLD-4-FH

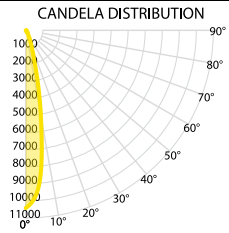
4" Flat Housing Downlight - Trim, Trimless & Millwork

Bold Series

BOLD-4-FH-2000L-40K-90-15D-DIM10-MVOLT-B4R-428-A-F-CL-WH

TEST NO: EPL02242531

INPUT WATTS:19.4 LUMENS:1963 EFFICACY: 101 BEAM ANGLE:21 SPACING CRITERIA: 0.33



CANDELA TABLE

	0°	90°
0°	10420	10420
10°	5083	5816
20°	990	1192
30°	290	348
40°	112	132
50°	41	53
60°	6	9
70°	0	0
80°	0	0
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	892504	892504
45.00°	8934	10271
55.00°	2666	3772
65.00°	65	193
75.00°	23	30
85.00°	49	49

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	766
10° - 20°	704
20° - 30°	281
30° - 40°	125
40° - 50°	62
50° - 60°	22
60° - 70°	2
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	1470	75%
0° - 30°	1751	89%
0° - 40°	1876	96%
0° - 60°	1959	100%
0° - 80°	1962	100%
0° - 90°	1962	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	289.4 fc	2.2 ft	2.2 ft
8.0 ft	162.8 fc	3.0 ft	3.0 ft
10.0 ft	104.2 fc	3.7 ft	3.7 ft
12.0 ft	72.4 fc	4.4 ft	4.5 ft
14.0 ft	53.2 fc	5.2 ft	5.2 ft
16.0 ft	40.7 fc	5.9 ft	5.9 ft
18.0 ft	32.2 fc	6.6 ft	6.7 ft
20.0 ft	26.0 fc	7.4 ft	7.4 ft

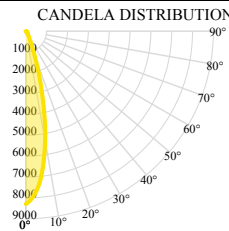
INDOOR COEFFICIENTS OF UTILIZATION

pf	pc	pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	123	123	123	123	123	120	120	120	120	114	114	114	110	110	110	105	105	105	103	0%
1	118	116	114	112	116	114	112	110	110	108	107	106	105	104	102	102	101	101	99	0%
2	114	110	107	105	112	109	106	103	105	103	101	102	101	99	100	98	97	95	92	0%
3	110	105	102	99	109	104	101	98	102	99	96	99	97	95	97	95	93	92	89	0%
4	107	101	97	94	105	100	96	93	98	95	92	96	93	91	94	92	90	89	86	0%
5	103	97	93	90	102	96	92	89	95	91	88	93	90	88	92	89	87	86	83	0%
6	100	94	89	86	99	93	89	86	92	88	85	90	87	85	89	86	84	83	80	0%
7	97	91	86	83	96	90	86	83	89	85	82	88	84	82	87	84	82	81	78	0%
8	95	88	83	80	94	87	83	80	86	83	80	85	82	80	84	81	79	78	75	0%
9	92	85	81	78	91	85	81	78	84	80	78	83	80	77	82	79	77	76	73	0%
10	90	83	79	76	89	82	78	76	82	78	75	81	78	75	80	77	75	74	71	0%

BOLD-4-FH-2000 L-40K- 90-24D-DIM 10-MVOIT-B4R-428 -A-F-CL-WH

TEST NO: EPI022425 31

INPUT WATTS9.4 LUMENS2012 EFFICACY104 BEAM ANGLE16 SPACING CRITERIA0.42



CANDELA TABLE

	0°	90°
0°	8296	8296
10°	5338	5639
20°	1200	1361
30°	277	318
40°	109	124
50°	44	57
60°	6	10
70°	0	0
80°	0	0
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	710610	710610
45.00°	9192	10328
55.00°	3006	4099
65.00°	69	247
75.00°	26	30
85.00°	59	49

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	671
10° - 20°	838
20° - 30°	294
30° - 40°	118
40° - 50°	63
50° - 60°	24
60° - 70°	3
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	1509	75%
0° - 30°	1803	90%
0° - 40°	1921	95%
0° - 60°	2008	100%
0° - 80°	2011	100%
0° - 90°	2011	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	230.4 fc	2.8 ft	2.8 ft
8.0 ft	129.6 fc	3.7 ft	3.7 ft
10.0 ft	83.0 fc	4.6 ft	4.6 ft
12.0 ft	57.6 fc	5.5 ft	5.5 ft
14.0 ft	42.3 fc	6.4 ft	6.4 ft
16.0 ft	32.4 fc	7.4 ft	7.4 ft
18.0 ft	25.6 fc	8.3 ft	8.3 ft
20.0 ft	20.7 fc	9.2 ft	9.2 ft

INDOOR COEFFICIENTS OF UTILIZATION

pf	20%																		0%
pc	80%						70%			50%		30%			10%			0%	
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
0	122	122	122	122	119	119	119	119	114	114	114	109	109	109	105	105	105	103	
1	118	116	114	112	115	113	112	110	109	108	107	106	104	103	102	101	100	99	
2	114	110	107	104	112	108	105	103	105	103	100	102	100	98	99	98	96	95	
3	110	105	101	98	108	103	100	97	101	98	95	98	96	94	96	94	92	91	
4	106	100	96	93	104	99	95	92	97	94	91	95	92	90	93	91	89	88	
5	103	96	92	88	101	95	91	88	94	90	87	92	89	86	91	88	86	85	
6	99	93	88	85	98	92	88	84	90	87	84	89	86	83	88	85	83	82	
7	96	89	85	81	95	89	84	81	87	84	81	86	83	80	85	82	80	79	
8	93	86	82	79	92	86	81	78	85	81	78	84	80	78	83	80	78	77	
9	91	84	79	76	90	83	79	76	82	78	76	81	78	75	81	78	75	74	
10	88	81	77	74	87	81	76	74	80	76	73	79	76	73	79	75	73	72	



4"

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4" Flat Housing Downlight - Trim, Trimless & Millwork

Bold Series

BOLD-4-FH-2000L-40K-90-36D-DIM10-MVOLT-B4R-428-A-F-CL-WH

TEST NO: EPL02242531

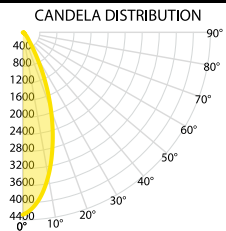
INPUT WATTS:18.6

LUMENS:2118

EFFICACY: 114

BEAM ANGLE:39

SPACING CRITERIA: 0.59



CANDELA TABLE

	0°	90°
0°	4278	4278
10°	3433	3580
20°	1930	2127
30°	610	742
40°	186	212
50°	70	76
60°	17	18
70°	0	0
80°	0	0
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	366402	366402
45.00°	14482	15925
55.00°	5501	5823
65.00°	793	942
75.00°	39	36
85.00°	58	58

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	386
10° - 20°	757
20° - 30°	589
30° - 40°	239
40° - 50°	101
50° - 60°	37
60° - 70°	6
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	1144	54%
0° - 30°	1733	82%
0° - 40°	1972	93%
0° - 60°	2110	100%
0° - 80°	2116	100%
0° - 90°	2116	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	118.8 fc	4.2 ft	4.3 ft
8.0 ft	66.8 fc	5.6 ft	5.7 ft
10.0 ft	42.8 fc	7.0 ft	7.1 ft
12.0 ft	29.7 fc	8.4 ft	8.5 ft
14.0 ft	21.8 fc	9.8 ft	9.9 ft
16.0 ft	16.7 fc	11.2 ft	11.3 ft
18.0 ft	13.2 fc	12.6 ft	12.8 ft
20.0 ft	10.7 fc	14.0 ft	14.2 ft

INDOOR COEFFICIENTS OF UTILIZATION

pf	pc	pw	70%	80%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	117	117	117	111	111	111	107	107	107	102	102	102	100	100	100	0%
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	0%
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89	89	0%
3	105	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	84	84	0%
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	83	81	80	80	0%
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	83	79	77	75	75	0%
6	92	84	78	75	90	83	78	74	82	77	74	80	76	73	79	76	73	72	72	0%
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68	68	0%
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65	65	0%
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62	62	0%
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59	59	0%

BOLD-4-FH-2000L-40K-90-60D-DIM10-MVOLT-B4R-428-A-F-CL-WH

TEST NO: EPL02242531

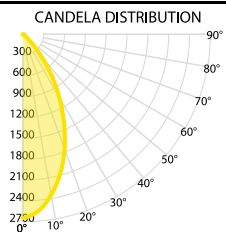
INPUT WATTS:18.6

LUMENS:2089

EFFICACY: 112

BEAM ANGLE:52

SPACING CRITERIA: 0.79



CANDELA TABLE

	0°	90°
0°	2647	2647
10°	2350	2366
20°	1760	1776
30°	1049	1079
40°	411	444
50°	69	95
60°	13	16
70°	0	0
80°	0	0
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	226738	226738
45.00°	23560	26766
55.00°	4383	5664
65.00°	600	1009
75.00°	33	33
85.00°	79	49

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	249
10° - 20°	567
20° - 30°	627
30° - 40°	438
40° - 50°	166
50° - 60°	35
60° - 70°	5
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	816	39%
0° - 30°	1443	69%
0° - 40°	1881	90%
0° - 60°	2082	100%
0° - 80°	2088	100%
0° - 90°	2088	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	73.5 fc	5.8 ft	5.8 ft
8.0 ft	41.4 fc	7.8 ft	7.8 ft
10.0 ft	26.5 fc	9.7 ft	9.7 ft
12.0 ft	18.4 fc	11.7 ft	11.7 ft
14.0 ft	13.5 fc	13.6 ft	13.6 ft
16.0 ft	10.3 fc	15.5 ft	15.6 ft
18.0 ft	8.2 fc	17.5 ft	17.5 ft
20.0 ft	6.6 fc	19.4 ft	19.5 ft

INDOOR COEFFICIENTS OF UTILIZATION

pf	pc	pw	70%	80%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	122	122	122	122	119	119	119	113	113	113	109	109	109	104	104	104	102	102	102	0%
1	116	113	111	108	113	111	109	107	107	105	103	103	101	100	99	98	97	95	95	0%
2	110	105	101	98	108	103	100	96	100	97	94	97	95	92	94	92	90	89	89	0%
3	105	98	93	89	103	97	92	88	94	90	87	91	88	85	89	86	84	82	82	0%
4	99	91	86	81	97	90	85	81	88	84	80	86	82	79	84	81	78	77	77	0%
5	94	86	80	75	92	85	79	75	83	78	74	81	77	74	79	76	73	71	71	0%
6	89	80	74	70	88	79	74	70	78	73	69	76	72	69	75	71	68	67	67	0%
7	85	75	69	65	84	75	69	65	73	68	64	72	68	64	71	67	64	62	62	0%
8	81	71	65	61	80	71	65	61	69	64	60	68	64	60	67	63	60	58	58	0%
9	77	67	61	57	76	67	61	57	66	60	57	65	60	57	64	60	56	55	55	0%
10	73	64	58	54	72	63	57	54	62	57	53	61	57	53	61	56	53	52	52	0%



BOLD-4-FH-2000L-40K-90-15D-DIM10-MVOLT-B4R-402-DC-F-WH-WH

TEST NO: EPL02242531

INPUT WATTS: 19.4

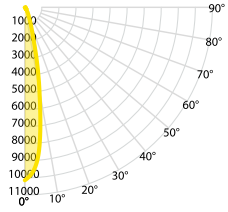
LUMENS: 1937

EFFICACY: 100

BEAM ANGLE: 21

SPACING CRITERIA: 0.33

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	10143	10143
10°	4929	5734
20°	953	1156
30°	290	348
40°	118	135
50°	47	54
60°	12	14
70°	6	6
80°	3	3
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	868807	868807
45.00°	9775	10738
55.00°	3695	4316
65.00°	1419	1443
75.00°	1503	1562
85.00°	983	1160

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	748
10° - 20°	683
20° - 30°	273
30° - 40°	126
40° - 50°	64
50° - 60°	25
60° - 70°	8
70° - 80°	5
80° - 90°	1

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	1431	74%
0° - 30°	1705	88%
0° - 40°	1831	95%
0° - 60°	1921	99%
0° - 80°	1934	100%
0° - 90°	1935	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	281.7 fc	2.2 ft	2.2 ft
8.0 ft	158.5 fc	3.0 ft	3.0 ft
10.0 ft	101.4 fc	3.7 ft	3.7 ft
12.0 ft	70.4 fc	4.4 ft	4.5 ft
14.0 ft	51.7 fc	5.2 ft	5.2 ft
16.0 ft	39.6 fc	5.9 ft	6.0 ft
18.0 ft	31.3 fc	6.6 ft	6.7 ft
20.0 ft	25.4 fc	7.4 ft	7.5 ft

INDOOR COEFFICIENTS OF UTILIZATION

pf	pc	pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	123	123	123	123	120	120	120	120	114	114	114	109	109	105	105	105	103	103	103	0%
1	118	116	114	112	116	114	112	110	109	108	107	106	105	104	102	101	101	99	99	0%
2	114	110	107	104	112	108	105	103	105	103	101	102	100	98	99	98	96	95	95	0%
3	110	105	101	98	108	104	100	97	101	98	96	99	96	94	96	94	93	91	91	0%
4	106	100	96	93	105	99	95	92	97	94	91	95	93	90	94	91	89	88	88	0%
5	103	96	92	89	101	96	91	88	94	90	88	92	89	87	91	88	86	85	85	0%
6	100	93	88	85	98	92	88	85	91	87	84	90	86	84	88	86	83	82	82	0%
7	97	90	85	82	96	89	85	82	88	84	82	87	84	81	86	83	81	80	80	0%
8	94	87	82	79	93	86	82	79	85	82	79	85	81	79	84	81	78	77	77	0%
9	92	84	80	77	91	84	80	77	83	79	77	82	79	76	82	78	76	75	75	0%
10	89	82	78	75	88	82	78	75	81	77	75	80	77	74	80	76	74	73	73	0%

BOLD-4-FH-2000L-40K-90-24D-DIM10-MVOLT-B4R-402-DC-F-WH-WH

TEST NO: EPL02242531

INPUT WATTS: 19.6

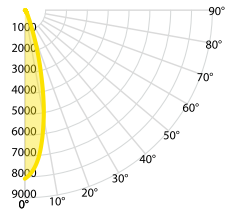
LUMENS: 2003

EFFICACY: 102

BEAM ANGLE: 26

SPACING CRITERIA: 0.42

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	8087	8087
10°	5229	5702
20°	1170	1382
30°	278	326
40°	116	132
50°	49	61
60°	13	16
70°	7	7
80°	3	3
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	692707	692707
45.00°	10094	11388
55.00°	4020	4958
65.00°	1486	1636
75.00°	1549	1688
85.00°	934	1238

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	658
10° - 20°	824
20° - 30°	288
30° - 40°	121
40° - 50°	67
50° - 60°	28
60° - 70°	9
70° - 80°	5
80° - 90°	1

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	1482	74%
0° - 30°	1770	88%
0° - 40°	1891	94%
0° - 60°	1986	99%
0° - 80°	2000	100%
0° - 90°	2002	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	224.6 fc	2.8 ft	2.8 ft
8.0 ft	126.4 fc	3.7 ft	3.7 ft
10.0 ft	80.9 fc	4.6 ft	4.7 ft
12.0 ft	56.2 fc	5.5 ft	5.6 ft
14.0 ft	41.3 fc	6.5 ft	6.5 ft
16.0 ft	31.6 fc	7.4 ft	7.5 ft
18.0 ft	25.0 fc	8.3 ft	8.4 ft
20.0 ft	20.2 fc	9.2 ft	9.3 ft

INDOOR COEFFICIENTS OF UTILIZATION

pf	pc	pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	122	122	122	122	119	119	119	119	114	114	114	109	109	105	105	105	103	103	103	0%
1	118	115	113	111	115	113	111	110	109	108	106	105	104	103	102	101	100	98	98	0%
2	113	109	106	103	111	108	105	102	104	102	100	101	99	98	99	97	96	94	94	0%
3	109	104	100	97	107	103	99	96	100	97	95	98	95	93	96	93	92	90	90	0%
4	106	99	95	92	104	98	94	91	96	93	90	94	91	89	93	90	88	87	87	0%
5	102	95	91	87	101	95	90	87	93	89	86	91	88	86	90	87	85	84	84	0%
6	99	92	87	84	97	91	87	83	90	86	83	88	85	82	87	84	82	81	81	0%
7	96	88	84	81	94	88	83	80	87	83	80	86	82	80	85	81	79	78	78	0%
8	93	85	81	78	92	85	81	78	84	80	77	83	80	77	82	79	77	76	76	0%
9	90	83	78	75	89	82	78	75	81	78	75	81	77	75	80	77	74	73	73	0%
10	88	80	76	73	87	80	76	73	79	75	73	78	75	72	78	75	72	71	71	0%

BOLD-4-FH-2000L-40K-90-36D-DIM10-MVOLT-B4R-402-DC-F-WH-WH

TEST NO: EPL02242531

INPUT WATTS:18.7

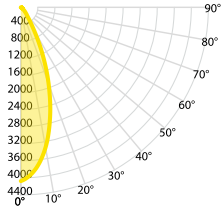
LUMENS:2136

EFFICACY: 114

BEAM ANGLE:40

SPACING CRITERIA: 0.61

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	4075	4075
10°	3339	3524
20°	1906	2152
30°	615	775
40°	198	231
50°	75	90
60°	24	29
70°	10	10
80°	4	5
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	349038	349038
45.00°	15159	17891
55.00°	6608	7671
65.00°	2552	3060
75.00°	2297	2618
85.00°	1317	2044

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	373
10° - 20°	747
20° - 30°	591
30° - 40°	247
40° - 50°	107
50° - 60°	44
60° - 70°	15
70° - 80°	8
80° - 90°	2

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	1120	52%
0° - 30°	1711	80%
0° - 40°	1957	92%
0° - 60°	2109	99%
0° - 80°	2132	100%
0° - 90°	2134	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	113.2 fc	4.3 ft	4.4 ft
8.0 ft	63.7 fc	5.8 ft	5.9 ft
10.0 ft	40.7 fc	7.2 ft	7.3 ft
12.0 ft	28.3 fc	8.7 ft	8.8 ft
14.0 ft	20.8 fc	10.1 ft	10.3 ft
16.0 ft	15.9 fc	11.6 ft	11.8 ft
18.0 ft	12.6 fc	13.0 ft	13.2 ft
20.0 ft	10.2 fc	14.5 ft	14.7 ft

INDOOR COEFFICIENTS OF UTILIZATION

pf	20%																0%
pc	70%																0%
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	122	122	122	122	119	119	119	119	114	114	109	109	109	104	104	104	102
1	116	114	111	109	114	112	109	107	107	106	104	104	102	101	100	99	98
2	111	106	103	99	109	105	101	98	101	99	96	98	96	94	96	94	92
3	106	100	95	92	104	99	94	91	96	92	89	93	90	88	91	89	87
4	101	94	89	85	100	93	88	85	91	87	84	89	85	83	87	84	82
5	97	89	84	80	95	88	83	79	86	82	78	85	81	78	83	80	77
6	93	84	79	75	91	84	78	75	82	77	74	81	77	74	79	76	73
7	89	80	75	71	88	80	74	70	78	74	70	77	73	70	76	72	69
8	85	76	71	67	84	76	70	67	75	70	67	74	69	66	73	69	66
9	82	73	67	64	81	72	67	64	71	67	63	71	66	63	70	66	63
10	79	70	64	61	78	69	64	61	68	64	60	68	63	60	67	63	60

BOLD-4-FH-2000L-40K-90-60D-DIM10-MVOLT-B4R-402-DC-F-WH-WH

TEST NO: EPL02242531

INPUT WATTS:18.6

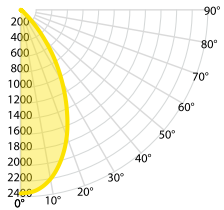
LUMENS:2058

EFFICACY: 111

BEAM ANGLE:56

SPACING CRITERIA: 0.85 x 0.85

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	2357	2357
10°	2205	2197
20°	1730	1723
30°	1061	1073
40°	430	449
50°	73	86
60°	20	23
70°	8	9
80°	4	5
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	201859	201859
45.00°	24050	26495
55.00°	5121	6324
65.00°	2142	2643
75.00°	2072	2432
85.00°	1455	2005

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	228
10° - 20°	541
20° - 30°	617
30° - 40°	440
40° - 50°	168
50° - 60°	39
60° - 70°	14
70° - 80°	7
80° - 90°	2

ZONAL LUMEN SUMMARY








ZONE	UMENS	% LUMINAIRE
0° - 20°	770	37%
0° - 30°	1386	67%
0° - 40°	1826	89%
0° - 60°	2034	99%
0° - 80°	2055	100%
0° - 90°	2057	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	65.5 fc	6.3 ft	6.4 ft
8.0 ft	36.8 fc	8.4 ft	8.5 ft
10.0 ft	23.6 fc	10.6 ft	10.6 ft
12.0 ft	16.4 fc	12.7 ft	12.7 ft
14.0 ft	12.0 fc	14.8 ft	14.8 ft
16.0 ft	9.2 fc	16.9 ft	16.9 ft
18.0 ft	7.3 fc	19.0 ft	19.1 ft
20.0 ft	5.9 fc	21.1 ft	21.2 ft

INDOOR COEFFICIENTS OF UTILIZATION

pf	20%																0%
pc	70%																0%
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	122	122	122	122	119	119	119	119	113	113	113	109	109	109	104	104	104
1	116	113	110	108	113	111	108	106	106	104	103	103	101	100	99	98	95
2	110	105	100	97	107	103	99	96	99	96	94	96	94	92	94	91	90
3	104	97	92	88	102	96	91	87	93	89	86	91	87	84	88	85	83
4	99	91	85	80	97	89	84	80	87	83	79	85	81	78	83	80	77
5	93	85	79	74	92	84	78	74	82	77	73	80	76	72	78	75	72
6	89	79	73	69	87	78	73	68	77	72	68	75	71	67	74	70	67
7	84	74	68	64	83	74	68	64	72	67	63	71	66	63	70	66	63
8	80	70	64	59	79	69	63	59	68	63	59	67	62	59	66	62	59
9	76	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55
10	73	62	56	52	71	62	56	52	61	56	52	60	55	52	60	55	52

BRAND							
CONTROL UNIT	<input type="checkbox"/> FCJS-010 Lutron Vive 0-10V Individual Pow Pak (Luminare is shipped Vive Enabled) 1 4 <input type="checkbox"/> FCJS-ECO Lutron Vive Eco-system Pow Pak (Luminare is shipped Vive Enabled) <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"/> CU-4E-FMH Fixture Mount Control Unit 1 5	<input type="checkbox"/> ZL027-NOW Intellect Power Control Module 1 6 <input type="checkbox"/> ZL027-DLE Intellect Power Control Module 1 6	<input type="checkbox"/> EN-WCM2-ZB-DR Wireless Control Module 1 7 <input type="checkbox"/> ENA-LC-ZB-BK-DR Wireless Area Lighting Control Module 1 7	<input type="checkbox"/> XITANIUM SR LED DRIVER The Philips Advance Xitanium SR LED driver 1 8	<input type="checkbox"/> LMFC-011 ON/OFF/0-10V dimming fixture controller 1 9 <input type="checkbox"/> FS-PP-V2 FS-PP Fixture Integrated Sensor Power Pack 1 9 <input type="checkbox"/> LMFS-601 Integrated Fixture Sensor & Controller	<input type="checkbox"/> NXFM-1R2D-O-UNV NX Fixture Module, Offset, 1 Relay, 2 0-10V Dimming Channels, 120-347VAC, Blue
INTEGRATED OCCUPANCY & 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) Surface Mount Sensor 2 Must be Specified with CU-4E-FMH Control Unit	<input type="checkbox"/> ZL00J-TOW Intellect Intelligent Fixture Control System 2 <input type="checkbox"/> ZL00J-DOW Intellect Intelligent Fixture Control System 2	<input type="checkbox"/> EN-CLM-PIR-DD-ZB SensiLUM™ Wireless Integrated Sensor <input type="checkbox"/> ZBHACLM-DIM-ENC Connected Lighting Module DIM 2	<input type="checkbox"/> SNS 212 EasyAir Daylight and Occupancy sensor <input type="checkbox"/> SNS300 SNS300 for networks 2	<input type="checkbox"/> FD-301 Fixture integrated Daylight Dimming Sensor 2 <input type="checkbox"/> FS-205 Fixture integrated passive infrared occupancy sensor 2	<input type="checkbox"/> NXRM HubbNET™ Radio Module <input type="checkbox"/> NXSMP2-OMNI Integrated Fixture Sensor & Controller <input type="checkbox"/> NXSMP2-SMI NX Slide Mount Indoor Sensor Module
*WIRELESS OCCUPANCY SENSOR	<input type="checkbox"/> LRF2-OCR2B-P-WH Ceiling mount 360°, 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 Independent Micro Sensor <input type="checkbox"/> SU-5S-H (IoT/CL/IL) Surface Mount Sensor 3 Must be specified with CU-4E-FMH Control Unit	<input type="checkbox"/> ZL00J-TOW Intellect Intelligent Fixture Control System <input type="checkbox"/> ZL00J-DOW Intellect Intelligent Fixture Control System 3 Must be specified with ZL027-NOW and ZL00JDOW Control unit	<input type="checkbox"/> EN-CLMPIR-DD-ZB SensiLUM™ Wireless Integrated Sensor <input type="checkbox"/> ZBHACLM-DIM-ENC Connected Lighting Module DIM 3 Must be specified with EN-WCM2-ZB-DR or EN-ALC-ZB-BK-DR Control Unit	<input type="checkbox"/> SNS212-CMP SNS-212 for Grouping 3	N/A	<input type="checkbox"/> NXSMDT 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 Inch 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

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.