3"

3" Ceiling Mount Architectural Cylinders

BOLD-3-CYL-ADJ-CM

Bold Cylinders Series

APPLICATION & FEATURES

BOLD-3-CYL-ADJ-CM A small-profile architectural LED cylinder pendant luminaire featuring a modern die-cast design with a 3" round or square aperture. Offered in open, lensed downlight, and wallwash trim options, it delivers glare-free, high-quality illumination for general lighting needs. With a broad range of color temperatures supporting cool to warm tones, it integrates into any design and is well suited for commercial, retail, hospitality, and high-end residential applications.

This cylinder provides exceptional optical quality (up to 98 CRI, 1×2 Step MacAdam Ellipse) and supports multiple dimming protocols down to 0.1%. It offers a selection of compatible lens filters and accessories, and includes mounting options such as flush mount, surface mount, suspended, and pendant mount. The modular heatsink and power supply are removable and upgradeable. Available in standard 15-inch and shallow 12-inch heights.

LUMENS	**High Performance:** 900L, 1200L, 1500L and 2000L **Warm Dimming:** 900L, 1200L, 1500L and 2000L **Xicato Artist:** 900L, 1200L and 1500L
CCT & DYNAMIC PLATFORMS	**High Performance:** 27K, 30K, 35K, 40K and 50K **Warm Dimming:** 18K-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°)
DRIVERS	**High Performance:** DIM10, LUTH, LUTFTB, ELDO10.1-LIN, ELDODMX.1, ELDODALI.1, DIMTR, BLE-CASAMBI, POE, DIM10-0-OFF, ELDO10-LOG, XSR and DIM10-AUX **Warm Dimming:** DIM10, LUTH, LUTFTB, ELDO10.1-LIN, ELDODMX.1, ELDODALI.1, DIMTR, BLE-CASAMBI, POE, DIM10-0-OFF, ELDO10-LOG, XSR and DIM10-AUX **Xicato Artist:** DIM10, LUTH, LUTFTB, ELDO10.1-LIN, ELDODMX.1, ELDODALI.1, DIMTR, BLE-CASAMBI, POE, DIM10-0-OFF, ELDO10-LOG, XSR and DIM10-AUX
TRIM OPTIONS	**Adjustable:** Trimless
FINISH OPTIONS	**Anodized:**Chrome (CL), Satin Haze (SHZ) **Diecast**: White (WH), Black (BK), 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-21
LISTINGS	5YRS LIMITED WARRANTY BABAA BUY BUILD AMERICA ACT

3"

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High Performance: **BOLD-3-CYL-ADJ-CM-WH-900L-27K-90-10D-DIM10-120V**

Series	Finish	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency	Options	Optical Accessories
BOLD-3-CYL-ADJ-CM	**WH** White **BK** Black **RAL** Custom Color	**900L** **1200L** **1500L** **2000L**	**27K** **30K** **35K** **40K** **50K**	**90+** **98+ 2**	**10D** Very Narrow Spot (10°) **15D** Narrow Spot (15°) **24D** Spot (24°) **36D** Medium (36°) **60D** Wide (60°)	**DIM10** **LUTH** **LUTFTB** **ELDO10.1-LIN** **ELDODMX.1** **ELDODALI.1** **DIMTR 3** **BLE-CASAMBI** **POE** **DIM10-0-OFF** **ELDO10-LOG** **XSR** **DIM10-AUX**	**120V** **MVOLT** **347V 4**	**-** All emergency options reqire top access, remote emergency test switch included **EMG-10** **EMG-20** **EMG-10-SDT** **EMG-20-SDT** **GTD**	**-** **RIF** RIF Filter **REM 5** Single Remote Dimming Driver **BABA** Made in America Compliance **Controls** See last page	**-** **SOFL** Solite Frosted

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-CYL-ADJ-CM-WDM-WH-900L-18K-30K-90-10D-DIM10-120V**

Series	Finish	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency	Options	Optical Accessories
BOLD-3-CYL-ADJ-CM-WDM	**WH** White **BK** Black **RAL** Custom Color	**900L** **1200L** **1500L** **2000L 1**	**18K-30K**	**90+**	**10D** Very Narrow Spot (10°) **15D** Narrow Spot (15°) **24D** Spot (24°) **36D** Medium (36°) **60D** Wide (60°)	**DIM10** **LUTH** **LUTFTB** **ELDO10.1-LIN** **ELDODMX.1** **ELDODALI.1** **DIMTR 2** **BLE-CASAMBI** **POE** **DIM10-0-OFF** **ELDO10-LOG** **XSR** **DIM10-AUX**	**120V** **MVOLT** **347V 3**	**-** All emergency options reqire top access, remote emergency test switch included **EMG-10** **EMG-20** **EMG-10-SDT** **EMG-20-SDT** **GTD**	**-** **RIF** RIF Filter **REM 4** Single Remote Dimming Driver **BABA** Made in America Compliance	**-** **SOFL** Solite Frosted

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

3"

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

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

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

3"

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TRIMLESS/MILLWORK REFLECTOR TYPE

Example: **B3R-363-TL-A-TL-WH**

Trim Option	Trim Construction	Trim Flange Opt.	Reflector Finishes
 B3R-363 TrimlessAdjustable **B3R-365** Trimless Solite Lens Adjustable	**A** Anodized **DC** Diecast	**TL** Trimless **MW 1** Millwork **DMW 2** Diecast Millwork	**WH** White **BK** Black **CL 1** Chrome **SHZ 1** Satin Haze **RAL** Custom Color (Consult Factory)

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

3"

BOLD-3-CYL-ADJ-CM

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DESCRIPTION

The BOLD-3-CYL-ADJ-CM A compact architectural LED cylinder available in 3" round or square apertures, offered with open, lensed, or wallwash trim options. Designed for glare-free general illumination with a modern die-cast aesthetic, it integrates seamlessly into commercial, retail, hospitality, and high-end residential spaces.

ADJUSTABILITY

Adjustable Accent delivers 365° tool-free rotation and precision-controlled 30° tilt. Tilt is adjustable in 1° increments with clearly marked internal degree indicators for accurate, repeatable aiming.

CONSTRUCTION

Round and square extruded aluminum cylinders with a post-painted powder-coat finish, available in standard and shallow heights. Offered in black, silver, white, or any custom RAL color.

OPTICAL PERFORMANCE

The optical system features an upper TIR optic for precise beam control, with an optional Solite or soft-focus lens to diffuse the source and deliver smooth, striation-free distribution. A patented lens further refines the beam angle. All optics are field-changeable and offered in a range of beam distributions.

SUSPENSION SYSTEM

A standard 5-inch shallow ceiling-mount canopy is provided for direct installation to 3-1/4" to 4" octagonal or square junction boxes. The pendant-mount option includes a 10 ft adjustable aircraft cable and power cord, both field-adjustable to the desired length. Consult factory for custom mounting or stem 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 35-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

THERMAL MANAGEMENT SYSTEM

Passive-cooling die-cast aluminum heat sink dissipates heat from the LED module, supporting optimal performance and extending component life.

OPTICAL FILTER & ACCESSORIES

Additional lens accessories—including Frosted, Soft Focus, Spread, Honeycomb, Linear, and Solite—help meet specific design and performance requirements. Up to two accessories may be used per luminaire, and they are intended only for open, non-lensed downlight trims.

OPERATING TEMPERATURE

Luminaire must be installed and operated in damp or dry locations with an ambient temperature range of -4°F to 104°F (-20°C to 40°C).

MOUNTING

Offered in cable, stem, and surface mounting options. Cable and pendant mounts are supplied with a complete canopy assembly matched to the housing finish, and cable height can be field-adjusted up to 10 ft.

EMERGENCY OPTIONS/CONTROLS

The remote test switch is included. The external battery operates LED loads of up to 1000 lumens (EMG-SDTLED-10W) or up to 2000 lumens (EMG-LED-20W).

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

3"

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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 forwardp hase dimming. Available in 120V only
BLE-CASAMBI - Luminaires may be controlled, grouped, scheduled or placed in scenes , and or zones Via Cassambi Bluetooth 4.0 App.
POE - Power-over-Ethernet Depending on the PoE manufacturer selected
DIM10-0-OFF - Program DIM10-to OFF withlinear dimming curve 0.1%
ELDO10-LOG - ELDO10-LOG with logarithmic dimming curve.
XSR - Xitanium SR Dimming
DIM10-AUX - 0-10V with Auxiliry power
DIMTR - Triac & Electronic low voltage forwardp hase 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.

3"

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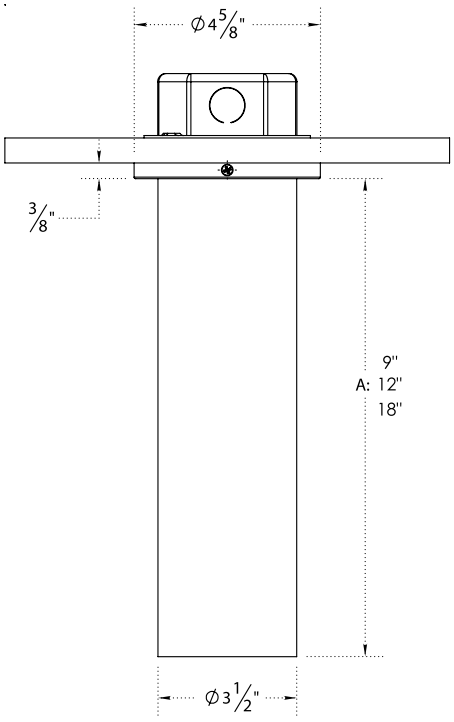
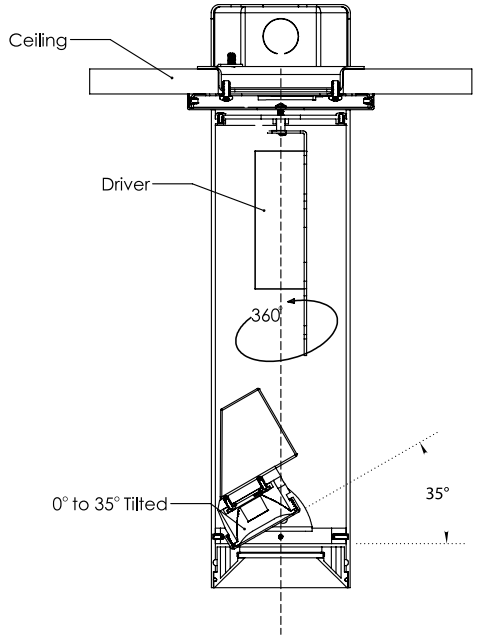
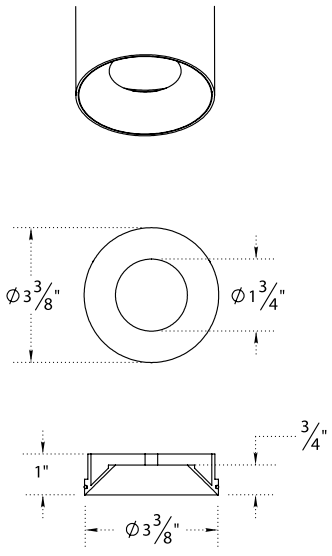


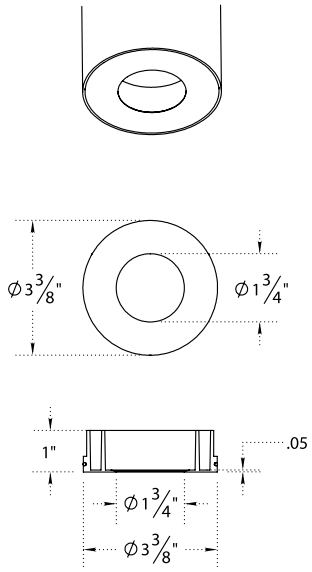


Bevel



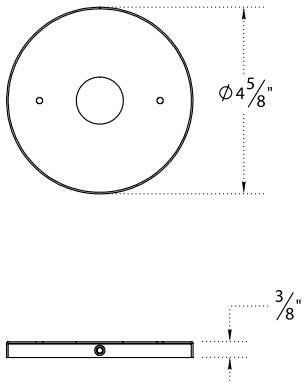
B3R-328-DC-TL

Pinhole



B3R-315-DC-TL

Canopy



3"

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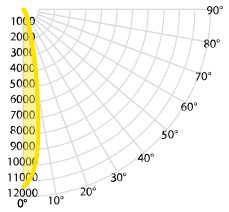
BOLD-3-CYL-ADJ-CM

Bold Cylinders Series

BOLD-3-CYL-ADJ-CM-2000L-40K-90-15D-DIM10-MVOLT-B3R-318-A-F-CL-WH TEST NO **EPL02242531**

INPUT WATTS: **22.8** LUMENS: **2105** EFFICACY: **92** BEAM ANGLE: **15** SPACING CRITERIA: **0.32**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	11382	11393
10°	5042	6312
20°	1037	1320
30°	297	383
40°	90	110
50°	21	24
60°	2	2
70°	0	0
80°	0	0
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	974957	975861
45.00°	5204	5789
55.00°	1201	1419
65.00°	30	28
75.00°	23	23
85.00°	39	39

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	831
10° - 20°	778
20° - 30°	317
30° - 40°	125
40° - 50°	41
50° - 60°	10
60° - 70°	1
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	1610	76%
0° - 30°	1926	92%
0° - 40°	2051	97%
0° - 60°	2102	100%
0° - 80°	2103	100%
0° - 90°	2103	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0° -180°	BEAM DIA. 90° -270°
6.0 ft	316.2 fc	2.2 ft	2.2 ft
8.0 ft	177.8 fc	3.0 ft	3.0 ft
10.0 ft	113.8 fc	3.7 ft	3.7 ft
12.0 ft	79.0 fc	4.4 ft	4.4 ft
14.0 ft	58.1 fc	5.2 ft	5.2 ft
16.0 ft	44.5 fc	5.9 ft	5.9 ft
18.0 ft	35.1 fc	6.6 ft	6.6 ft
20.0 ft	28.5 fc	7.4 ft	7.4 ft

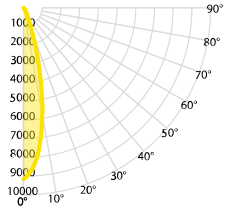
INDOOR COEFFICIENTS OF UTILIZATION

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

BOLD-3-CYL-ADJ-CM-2000L-40K-90-26D-DIM10-MVOLT-B3R-318-A-F-CL-WH TEST NO **EPL02242531**

INPUT WATTS: **22.8** LUMENS: **2189** EFFICACY: **96** BEAM ANGLE: **24** SPACING CRITERIA: **0.41**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	9156	9205
10°	5800	6438
20°	1275	1604
30°	290	357
40°	94	118
50°	23	30
60°	1	3
70°	0	0
80°	0	0
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	784230	788471
45.00°	5518	6902
55.00°	1213	1846
65.00°	28	73
75.00°	23	26
85.00°	39	39

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	746
10° - 20°	937
20° - 30°	326
30° - 40°	120
40° - 50°	46
50° - 60°	12
60° - 70°	1
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	1683	77%
0° - 30°	2009	92%
0° - 40°	2129	97%
0° - 60°	2186	100%
0° - 80°	2187	100%
0° - 90°	2187	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0° -180°	BEAM DIA. 90° -270°
6.0 ft	254.3 fc	2.8 ft	2.8 ft
8.0 ft	143.1 fc	3.7 ft	3.7 ft
10.0 ft	91.6 fc	4.6 ft	4.6 ft
12.0 ft	63.6 fc	5.5 ft	5.5 ft
14.0 ft	46.7 fc	6.5 ft	6.5 ft
16.0 ft	35.8 fc	7.4 ft	7.4 ft
18.0 ft	28.3 fc	8.3 ft	8.3 ft
20.0 ft	22.9 fc	9.2 ft	9.2 ft

INDOOR COEFFICIENTS OF UTILIZATION

ρf									20%									0%
ρc		80%				70%				50%			30%			10%		0%
ρw	70%	50%	30%	10%	70%	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	101
1	116	114	112	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97
2	112	108	105	102	110	106	104	101	103	101	99	100	98	97	98	96	95	93
3	108	103	99	96	106	102	98	96	99	97	94	97	95	93	95	93	91	90
4	105	99	95	92	103	98	94	91	96	93	90	94	91	89	92	90	88	87
5	101	95	91	88	100	94	90	87	93	89	87	91	88	86	90	87	85	84
6	98	92	87	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81
7	95	89	84	81	94	88	84	81	87	83	81	86	83	80	85	82	80	79
8	92	86	81	78	92	85	81	78	84	81	78	83	80	78	82	80	77	76
9	90	83	79	76	89	83	79	76	82	78	76	81	78	75	80	77	75	74
10	88	81	76	74	87	80	76	74	80	76	73	79	76	73	78	75	73	72

3"

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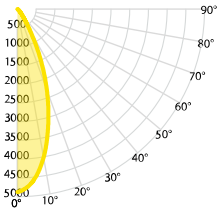
BOLD-3-CYL-ADJ-CM

Bold Cylinders Series

BOLD-3-CYL-ADJ-CM-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

	0°	90°
0°	4880	4891
10°	4020	4203
20°	2302	2549
30°	724	876
40°	166	182
50°	42	45
60°	7	7
70°	0	0
80°	0	0
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	743047	744724
45.00°	17394	18484
55.00°	5289	5575
65.00°	126	256
75.00°	53	59
85.00°	87	87

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	446
10° - 20°	885
20° - 30°	689
30° - 40°	250
40° - 50°	71
50° - 60°	20
60° - 70°	2
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	1330	56%
0° - 30°	2019	85%
0° - 40°	2268	96%
0° - 60°	2360	100%
0° - 80°	2362	100%
0° - 90°	2362	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0° -180°	BEAM DIA. 90° -270°
6.0 ft	135.5 fc	4.3 ft	4.3 ft
8.0 ft	76.2 fc	5.7 ft	5.8 ft
10.0 ft	48.8 fc	7.2 ft	7.2 ft
12.0 ft	33.9 fc	8.6 ft	8.7 ft
14.0 ft	24.9 fc	10.0 ft	10.1 ft
16.0 ft	19.1 fc	11.4 ft	11.6 ft
18.0 ft	15.1 fc	12.9 ft	13.0 ft
20.0 ft	12.2 fc	14.3 ft	14.4 ft

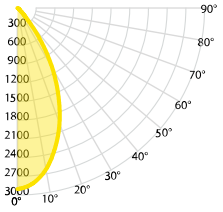
INDOOR COEFFICIENTS OF UTILIZATION

ρf									20%										0%
ρc		80%				70%				50%			30%			10%			0%
ρw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	0%
0	119	119	119	119	117	117	117	117	111	111	111	107	107	107	102	102	102	100	
1	115	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90	
3	105	100	95	92	103	98	94	91	96	92	90	93	91	88	91	89	87	85	
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	85	82	81	
5	97	89	84	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77	
6	93	85	80	76	91	84	79	76	83	79	75	82	78	75	80	77	74	73	
7	89	81	76	72	88	80	76	72	79	75	72	78	74	71	77	74	71	70	
8	86	77	72	69	85	77	72	69	76	71	68	75	71	68	74	70	68	67	
9	82	74	69	65	81	74	69	65	73	68	65	72	68	65	71	67	65	64	
10	79	71	66	63	78	71	66	62	70	65	62	69	65	62	68	65	62	61	

BOLD-3-CYL-ADJ-CM-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

	0°	90°
0°	2907	2908
10°	2630	2718
20°	1971	2097
30°	1123	1242
40°	290	368
50°	36	38
60°	7	5
70°	0	0
80°	0	0
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	442703	442843
45.00°	21822	26949
55.00°	4407	4030
65.00°	133	76
75.00°	59	53
85.00°	87	70

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	281
10° - 20°	657
20° - 30°	731
30° - 40°	459
40° - 50°	114
50° - 60°	17
60° - 70°	2
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	938	41%
0° - 30°	1669	74%
0° - 40°	2128	94%
0° - 60°	2259	100%
0° - 80°	2262	100%
0° - 90°	2262	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0° -180°	BEAM DIA. 90° -270°
6.0 ft	80.8 fc	6.1 ft	6.1 ft
8.0 ft	45.4 fc	8.1 ft	8.1 ft
10.0 ft	29.1 fc	10.2 ft	10.2 ft
12.0 ft	20.2 fc	12.2 ft	12.2 ft
14.0 ft	14.8 fc	14.2 ft	14.3 ft
16.0 ft	11.4 fc	16.3 ft	16.3 ft
18.0 ft	9.0 fc	18.3 ft	18.3 ft
20.0 ft	7.3 fc	20.3 ft	20.4 ft

INDOOR COEFFICIENTS OF UTILIZATION

ρf									20%										0%
ρc		80%				70%				50%			30%			10%			0%
ρw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88	
3	103	97	92	88	101	96	91	88	93	89	86	91	87	85	88	86	84	82	
4	98	91	86	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77	
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72	
6	89	80	75	70	87	80	74	70	78	73	70	77	72	69	75	72	69	67	
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	71	68	65	63	
8	81	72	66	62	80	71	65	62	70	65	61	69	64	61	68	64	61	59	
9	77	68	62	58	76	67	62	58	66	61	58	65	61	58	65	60	57	56	
10	74	64	59	55	73	64	58	55	63	58	55	62	58	54	61	57	54	53	

BRAND	LUTRON	enlighted	LEVITON	ENCELIUM	PHILIPS	legrand	NX LIGHTING CONTROLS
CONTROL UNIT	☐ **FCJS-010** Lutron Vive 0-10V Individual Pow Pak (Luminare is shipped Vive Enabled) **1 4** ☐ **FCJS-ECO** Lutron Vive Eco-system Pow Pak (Luminare is shipped Vive Enabled) ☐ **A-WN-D01-RF-WH** Athena wireless node (RF only) (White) ☐ **A-WN-D01-OCC-WH** Athena wireless node with sensor (White)	☐ **CU-4E-FMH** Fixture Mount Control Unit **1 5**	☐ **ZL027-NOW** Intellect Power Control Module **1 6** ☐ **ZL027–DLE** Intellect Power Control Module **1 6**	☐ **EN-WCM2-ZB-DR** Wireless Control Module **1 7** ☐ **ENA-LC-ZB-BK-DR** Wireless Area Lighting Control Module **1 7**	☐ **XITANIUM SR LED DRIVER** The Philips Advance Xitanium SR LED driver **1 8**	☐ **LMFC-011** ON/OFF/0-10V dimming fixture controller **1 9** ☐ **FS-PP-V2 FS-PP** Fixture Integrated Sensor Power Pack **1 9** ☐ **LMFS-601** Integrated Fixture Sensor & Controller	☐ **NXFM-1R2D-O-UNV** NX Fixture Module, Offset, 1 Relay, 2 0-10V Dimming Channels, 120-347VAC, Blue
INTEGRATED OCCOPANCY & DAYLIGHT SENSOR	☐ **DFCSJ-OEM-OCC** Clear Connect (RF) and Occupancy/Daylight Sensing **2**	☐ **SU-5E-IoT** IoT Node Micro Sensor ☐ **SU-5E-CL** Connected Micro Sensor ☐ **SU-5E-IL** Indipendent Micro Sensor ☐ **SU-5S-H(IoT/CL/IL)** Serface Mount Sensor **2** Must be Specified with CU-4E-FMH Control Unit	☐ **ZL00J -T0W** Intellect Intelligent Fixture Control System **2** ☐ **ZL00J-D0W** Intellect Intelligent Fixture Control System **2**	☐ **EN-CLM-PIR-DD-ZB** SensiLUM™ Wireless Integrated Sensor ☐ **ZBHACLM-DIM-ENC** Connected Lighting Module DIM **2**	☐ **SNS 212** EasyAir Daylight and Occupancy sensor ☐ **SNS300** SNS300 for networks **2**	☐ **FD-301** Fixture integrated Daylight Dimming Sensor **2** ☐ **FS-205** Fixture integrated passive infrared occupancy sensor **2**	☐ **NXRM** HubbNETTM Radio Module ☐ **NXSMP2-OMNI** Integrated Fixture Sensor & Controller ☐ **NXSMP2-SMI** NX Slide Mount Indoor Sensor Module
*WIRELESS OCCUPANCY SENSOR	☐ **LRF2-OCR2B-P-WH** Ceiling mount360°, occupancy/vacancy sensor **3**	**N/A**	**N/A**	☐ **EN-SCPPH-1500-ZB** Wireless Passive Infrared Occupancy and Photo Sensors **3**	**N/A**	☐ **LMDC-100** Dual technology PIR Ceiling Mount Occupancy Sensor **3**	☐ **NXSMP2-SMI** NX Slide Mount Indoor Sensor Module
*WIRELESS DAYLIGHT SENSOR	☐ **LRF2-DCRB-WH** Ceiling-mount daylight sensor **3**	**N/A**	**N/A**	☐ **EN-SCPPH-1500-ZB** Wireless Passive Infrared Occupancy and Photo Sensors **3**	**N/A**	☐ **LMLS-400** Single zone switching and dimming digital photosensor **3**	☐ **LUXSTATLS** Luxstat Light Sensor for Luxstat Control Modules, 3 to 6000 FC
*WIRELESS OCCUPANCY & DAYLIGHT SENSOR	**N/A**	☐ **SU-5E-IoT** IoT Node Micro Sensor ☐ **SU-5E-CL** Connected Micro Sensor ☐ **SU-5E-IL** Indipendent Micro Sensor ☐ **SU-5S-H (IoT/CL/IL)** Serface Mount Sensor **3** Must be specified with CU-4E-FMH Control Unit	☐ **ZL00J -T0W** Intellect Intelligent Fixture Control System ☐ **ZL00J-D0W** Intellect Intelligent Fixture Control System **3** Must be specified with ZL027-NOW and ZL00JD0W Control unit	☐ **EN-CLMPIR-DD-ZB** SensiLUM™ Wireless Integrated Sensor ☐ **ZBHACLM-DIM-ENC** Connected Lighting Module DIM **3** Must be specified with EN-WCM2-ZB-DR or EN- ALC-ZB-BK-DR Control Unit	☐ **SNS212-CMP** SNS-212 for Grouping **3**	**N/A**	☐ **NXSMDT** Indoor Ceiling Mount Sensor - OMNI
ACCESSORIES	**N/A**	☐ **TMC-SU-5E** Tile Mount Carrier ☐ **CBL-5E-CU4-30N** 30 Iinch Sensor cable for CU-4 and IoT Ready ☐ **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- Luminaire will be shipped with Powerpacks pr e-installed, ready to be integrated to designated contol systems
2- Luminaire will be shipped with Sensorsi ns talled on the luminaire, allowing for individual luminaire control. Luminaires will be ready to be integrated with designated control systems
3- Luminair e will be shipped with Sensors to be remotely installed on the ceiling. Luminair es will be ready to be integrated with designated cont rol systems
4- Luminaire will be compatible with LUTRON LRF2-0CR2B-PWH Ceiling mount 360deg occupancy/vacancy sensor & LRF2-DCRB-WH ceiling mount daylight sensor Sensors must be orderd through Lutron
5- Luminaire will be compatible with ENLIGHTED SU-5E-IoT, SU-5E-CL, SU- 5E-IL, SU-5SH, Sensors
6- Luminaire will be compatible with LEVITON I ntellect APP & Keypad room controller
7- Luminaire will be compatible with EN-SCPPH-1500-ZB Wireless passive infrared occupancy and photo sensor
8- Luminaire will be compatiable with philips field and wireless switch
9- Luminaire will be compatiable with DLM Room control system LMPB-100. . Sensors must be orderd through Legrand.