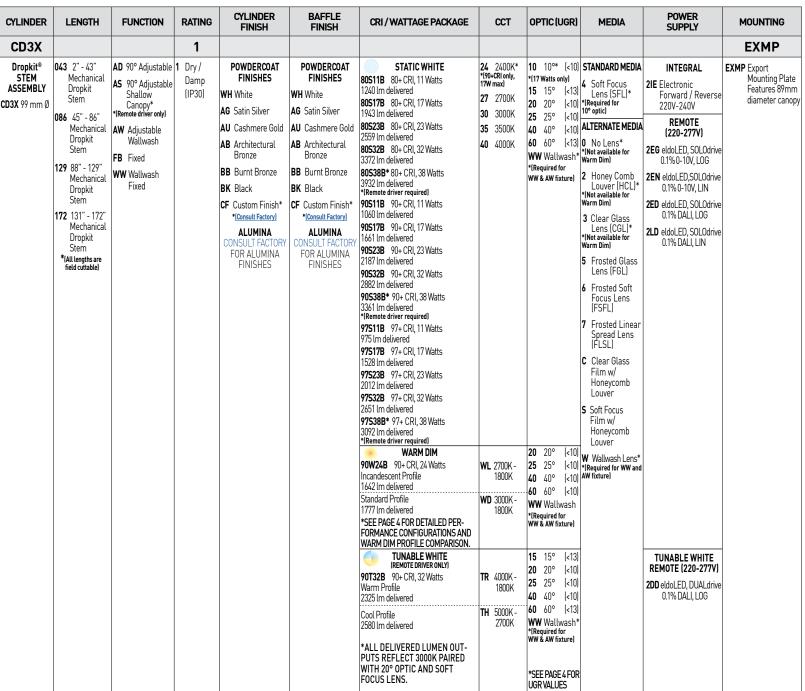
Our best-selling cylinders keep getting better. Suspended cylinders are offered in a broad range of sizes and more than a dozen finish options, with field-cuttable stems and lumens from 800 to almost 4000lm.

ORDERING INFORMATION



PROJECT NAME:

TYPE:

PART NUMBER NOTES

• CD3X Cylinder ships as e.g., CY3XAD1WHWH80S17A304042EA2

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- Stem Assembly ships as CY3X-DK-(length)-(finish)
- Remote driver ships as e.g., PS-RMT-80S17A-2EG2



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ACCESSORIES

REPLACMENT MEDIA	
SFL-CY3X-03	Soft Focus Lens
HCL-CY3X-03	Honeycomb Louver *
*(Not available for Warm Dim	
CGL-CY3X-03	Clear Glass Lens *
*(Not available for Warm Dim)
🗆 FGL-CY3X-03	Frosted Glass Lens
□ FSFL-CY3X-03	Frosted Soft Focus Lens
FLSL-CY3X-03	Frosted Linear Spread Lens
CGL-HCL-CY3X-03	Clear Glass Film W/ Honeycomb Louver
SFL-HCL-CY3X-03	Soft Focus Film W/ Honeycomb Louver

Dropkit STEM EXTENSION

□ **RPS-DK-EXT-**** 2-42" Stem Extension ** Stem finish: Specify WH for white, AG for satin Silver, AU for cashmere gold, AB for architectural bronze, BB for burnt bronze, or BK for black.

STATIC WHITE REPLACEMENT OPTICS

15° optic □ R0-70-15-S 20° optic □ R0-70-20-S 25° optic □ R0-70-25-S □ R0-70-40-S 40° optic □ R0-70-60-S 60° optic

WARM DIM REPLACEMENT OPTICS

🗆 R0-70-20-W	20° optic
🗆 R0-70-25-W	25° optic
🗆 R0-70-40-W	40° optic
🗆 R0-70-60-W	60° optic

TUNABLE WHITE REPLACEMENT OPTICS

15° optic □ R0-70-15-T □ R0-70-20-T 20° optic 25° optic □ R0-70-25-T 40° optic □ R0-70-40-T 60° optic □ R0-70-60-T

SUCTION CUP TOOL

CYX-TOOL-SUCTION Baffle removal tool, provided with every 5 fixtures

EMERGENCY LIGHTING - REMOTE MOUNT ONLY

During disruption of main power, emergency battery inverter provides temporary 120V or 277V to fixture.

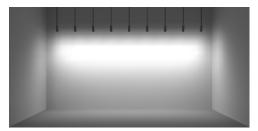
- □ EMB-S-25-120/277-LEDX 25 watt max capacity, 120 or 277 VAC 60Hz □ EMB-S-100-120-LEDX 100 watt max capacity, 120 VAC 60Hz, 0-10V dimmable □ EMB-S-100-277-LEDX 100 watt max capacity, 277 VAC 60Hz, 0-10V dimmable

□ EMB-S-250-120/277-LEDX 250 watt max capacity, 120 or 277 VAC 60Hz *SHUNT REQUIRED FOR USE WITH ATHENA AND CASAMBI CONTROLS, CONSULT FACTORY FOR DETAILS.



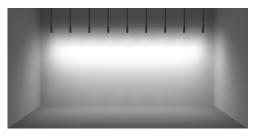


WALLWASH DESIGN GUIDE



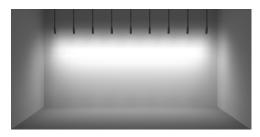
10° TILT 30" SETBACK / 30" ON CENTER SPACING

- 10FT CEILING SHOWN / 8-12FT IDEAL
- AVERAGE FC: 59.81
- MAX / MIN: 6.11
- 9 FIXTURES / 25FT WALL SHOWN



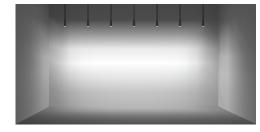
RECOMMENDED 15° TILT 36" SETBACK / 36" ON CENTER SPACING

- 10FT CEILING SHOWN / 8-12FT IDEAL
- AVERAGE FC: 52.90
- MAX / MIN: 5.47
- 9 FIXTURES / 30FT WALL SHOWN



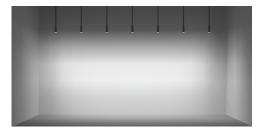
20° TILT 42" SETBACK / 42" ON CENTER SPACING

- 10FT CEILING SHOWN / 8-12FT IDEAL
- AVERAGE FC: 47.58
- MAX / MIN: 5.10
- 9 FIXTURES / 35FT WALL SHOWN



30" SETBACK / 42" ON CENTER SPACING

- 10FT CEILING SHOWN / 8-12FT IDEAL
- AVERAGE FC: 38.76
- MAX / MIN: 6.49
- 9 FIXTURES / 25FT WALL SHOWN



9 FIXTURES / 30FT WALL SHOWN

42" SETBACK / 54" ON CENTER SPACING

- 10FT CEILING SHOWN / 8-12FT IDEAL
- AVERAGE FC: 25.34
- MAX / MIN: 6.22
- 9 FIXTURES / 35FT WALL SHOWN

ON CENTER		SETBACK / TILT		ON CENTER	SETBACK				
SPACING	30" / 10°	36" / 15°	42" / 20°	SPACING	30"	36"	42"		
30"	SHOWN ABOVE	AVERAGE FC: 61.83 MAX / MIN: 5.46	AVERAGE FC: 63.70 MAX / MIN: 5.22	42"	SHOWN ABOVE	AVERAGE FC: 34.94 MAX / MIN: 6.44	AVERAGE FC: 31.32 MAX / MIN: 6.35		
36"	AVERAGE FC: 51.17 MAX / MIN: 6.25	SHOWN ABOVE	AVERAGE FC: 54.57 MAX / MIN: 5.10	48"	AVERAGE FC: 34.66 MAX / MIN: 6.34	SHOWN ABOVE	AVERAGE FC: 28.02 MAX / MIN: 6.22		
42"	AVERAGE FC: 44.58 MAX / MIN: 6.55	AVERAGE FC: 46.13 MAX / MIN: 5.63	SHOWN ABOVE	54"	AVERAGE FC: 31.32 MAX / MIN: 6.57	AVERAGE FC: 28.22 MAX / MIN: 6.36	SHOWN ABOVE		

ADDITIONAL SETBACKS AND SPACINGS

*ALL DATA REFLECTS 90S17B WATTAGE PACKAGE



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- AVERAGE FC: 31.26 MAX / MIN: 6.32



STATIC WHITE PERFORMANCE - 3000K

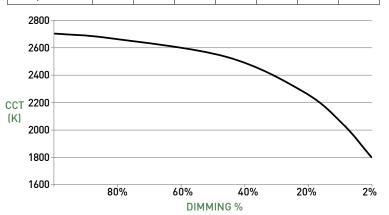
																		MEDIA I	LIGHT LOS	5 FACTOR
	WATTAGE	FIELD R	OPTIC EDUCER		US LENS		US LENS	SOFT FOO	OPTIC CUS LENS	SOFT FOO	OPTIC CUS LENS	SOFT FOO	OPTIC CUS LENS		SH LENS	WALLWA		MEDIA	. L	IGHT LOSS FACTOR
PACKAGE		DLVD	LPW	DLVD	LPW	DLVD	LPW	DLVD	LPW	DLVD	LPW	DLVD	LPW	DLVD	LPW	DLVD	LPW	No Len	s	1.07
80S11B	11	-	-	1169	106	1240	112	1243	112	1185	107	1156	105	979	89	1137	103	CGL		0.99
80S17B/C	17	819	48	1171	104	1943	114	1931	113	1858	109	1801	105	1509	88	1783	104	SFL		1.00
80S23B	23	-	-	2301	100	2559	111	2541	110	2409	104	2373	103	2039	88	2312	100	FGL		0.88
80532B	32	-	-	2913	91	3372	105	3339	104	3170	99	3111	97	2641	82	3042	95	FSFL		0.91
80S38B	38	-	-	3226	84	3932	103	3856	101	3680	96	3614	95	3072	80	3531	92	FLSL		0.81
90S11B	11	-	-	1008	91	1060	96	1062	96	1013	92	988	89	837	76	972	88	HCL		0.71
90S17B/C	17	706	42	1527	89	1661	97	1650	97	1588	93	1539	90	1290	75	1524	89	SFL+HC	L	0.66
90S23B	23	-	-	1984	86	2187	95	2172	94	2059	89	2028	88	1743	75	1976	85			
90S32B	32	-	-	2511	78	2882	90	2854	89	2709	84	2659	83	2257	70	2600	81		PUT MULT	
90S38B	38	-	-	2781	73	3361	88	3296	86	3121	82	3089	81	2626	69	3018	79	ССТ	(CT SCALE
97S11B	11	-	-	887	80	975	88	977	88	932	84	909	82	770	70	894	81	2400K		0.76
97S17B/C	17	609	36	1344	79	1528	89	1518	89	1461	85	1416	83	1187	69	1402	82	2700K		0.957
97S23B	23	-	-	1746	75	2012	87	1998	86	1894	82	1866	81	1604	69	1818	79	3000K		1.000
97S32B	32	-	-	2210	69	2651	82	2626	82	2492	77	2446	76	2076	64	2392	74	3500K		1.019
97S38B	38	-	-	2447	64	3092	81	3032	79	2893	76	2842	74	2416	63	2777	73	4000K		1.030
90W24BL (2700K-1800K)	24	-	-	-	-	1642	68	1626	67	1556	64	1491	62	1340	55	1570	65	TUNABL	E WHITE M	ULTIPLIER
90W24BD (3000K-1800K)	24	-	-	-	-	1777	74	1742	72	1685	70	1600	66	1422	59	1668	69	ССТ	5000K- 2700K	4000K- 1800K
90T32BTR 4000K-1800K)	32	-	-	2251	70	2325	72	2319	72	2359	73	2352	73	2072	64	2520	78	5000K	1.16	-
90T32BTH	32	-	-	2458	76	2580	80	2533	79	2394	74	2291	71	2085	65	2401	75	3500K	1.00	1.07
5000K-2700K)																		3000K	1.04	1.00
	V configurati																	2700K	0.96	0.92
95+ LPV	V configurati	ons comp	oly with co	ommercial	l Part L		UNIFIE	D GLARE	RATING							_		2400K	- 0.76	0.92
	10° 0									40° OPT		60° 01			WASH				-	0.84
	FIELD R	DUCER	SUFIF	OCUS LENS	SUFT	FOCUS LEN	15 501	FT FOCUS L	ENS S	OFT FOCUS	LENS	SOFT FOCU	US LENS	WALLW	ASH LENS	_		1800K	-	0.69

10° OPTIC	15° OPTIC	20° OPTIC	25° OPTIC	40° OPTIC	60° OPTIC	WALLWASH
FIELD REDUCER	SOFT FOCUS LENS	WALLWASH LENS				
<10	<13	<10	<10	<10	<13	>19

WARM DIM PERFORMANCE - SOFT FOCUS LENS - 20° OPTIC

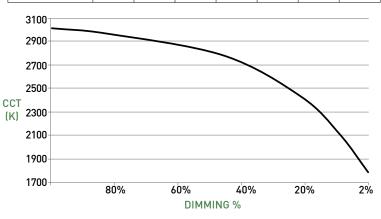
90W24BL 2700K - 1800K	Full on 100%	Dimmed to 80%	Dimmed to 70%	Dimmed to 50%	Dimmed to 20%	Dimmed to 10%	Dimmed to 2%
ССТ (К)	2700	2650	2620	2520	2180	1950	1800
Light Output (Lm)	1642	1314	1149	821	328	164	33
Power (W)	24	19	17	12	5	2.4	0.5
Efficacy (LPW)	68	68	68	68	68	68	68

INCANDESCENT DIMMING PROFILE



STANDARD DIMMING PROFILE

90W24BD 3000K - 1800K	Full on 100%	Dimmed to 80%	Dimmed to 70%	Dimmed to 50%	Dimmed to 20%	Dimmed to 10%	Dimmed to 2%
ССТ (К)	3000	2950	2920	2775	2375	2000	1800
Light Output (Lm)	1777	1422	1244	889	355	178	36
Power (W)	24	19	17	12	5	2.4	0.5
Efficacy (LPW)	74	74	74	74	74	74	74





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CYLINDER ASSEMBLY **DIMENSIONS / DRAWINGS** EXPORT MOUNTING PLATE Export mounting plate (concealed) to be installed CY3X-EXMP above ceiling substrate. Features minimalist 89mm diameter canopy. ADJUSTABLE - STANDARD CANOPY Ø70mm Cutout Die-cast canopy accommodates flat and sloped ceiling conditions. Conceals hidden mounting hardware. "AD" (90° tilt, 365° rotation) canopy features 2.15" (55mm) tall canopy. Available with ADJUSTABLE BODY ADJUSTABLE BODY С B integral or remote driver. STANDARD CANOPY SHALLOW CANOPY ADJUSTABLE - SHALLOW CANOPY Ø3.91 (99mm) Die-cast canopy accommodates flat and slope ceiling conditions. Conceals hidden mounting 0.65" hardware. "AS" (90° tilt, 365° rotation) canopy 2.15' (17mm) features 0.65" (17mm) tall canopy, reducing (55mm) overall height. Requires remote power supply. 0.46" (12mm) 909 FIXED BODY 6.96" (177mm) Body with integrated heat sink and LED. 8.40" Conceals mounting hardware. Power supply may (213mm) 5.85' be integral or remote mount. (149mm) WALLWASH FIXED BODY OPTICS Robust light engine with optimized optic pairing integrates Reflection, Refraction, and TIR offering 10°, 15°, 20°, 25°, 40° & 60° beams. Cylinder weight Cylinder weight 3.45 lbs 3.25 lbs 10° FIELD REDUCER F1 Included with 10° optic. Reduces field angle by MEDIA Cylinder accepts 2 lenses; soft focus lens, no lens or wallwash lens standard. Sealed in place for Wet locations. G DROPKIT BAFFLE Ø3.25"(83mm) Die-cast baffle minimizes aperture glare and 2.15" (55mm) 0.60" conceals view into fixture. (15mm) DROPKIT Field cuttable rigid stem for suspending fixture Base Canopy D Ξ FIXED BODY WALLWASH at desired height. Provides stable base to allow Ball Joint Ø3.91' FIXED BODY preferred fixture tilt, while maintaining vertical (99mm) stem position. Ball joint allows up to 45° tilt for sloped ceilings and can be locked once stem is positioned vertically. Four 43" sections available; 172" maximum 8.40" standard length. (213mm) Ø0.625" 43" (4 TYP.) Length adjustment occurs in lower canopy. (16mm) (109cm) Wiring for kit provided by others. REMOTE POWER SUPPLY Remote power supply provides additional driver options. See page 6 for maxiumum allowable wiring distance. Must be installed in Cylinder weight Cylinder weight an accessible location. 3.45 lbs 3.45 lbs Lower Canopy 1.50"(38mm) 34mm 210mm Ø3.91"(99mm) 41mm



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TECHNICAL

CONSTRUCTION

<u>Cylinder</u>: Die-cast aluminum body with integrated heat sink; painted finishes are granulated powder coat. Alumina finishes are anodized aluminum. <u>Dropkit Stem Assembly:</u> Die-cast aluminum canopies and extruded aluminum stems;

painted finishes are granulated powder coat.

Remote Power Supply: 22 Gauge galvanized steel.

STATIC WHITE LED

2-step MacAdam ellipse LED module available in 80+, 90+ and 95+ CRI configurations in color temperatures of 2700K, 3000K, 3500K and 4000K. 3-step MacAdam ellipse LED module available in 90+ CRI configuration in color temperature of 2400K. Average rated lamp life: 50,000 hours. LED and driver assemblies are field-replaceable.

WARM DIM LED

3-step MacAdam ellipse warm dim LED module available in 90+ CRI configuration. 3000K or 2700K at full brightness, warming to 1800K at full dim. Average rated lamp life of 50,000 hours. LED and driver assemblies are field-replaceable.

TUNABLE WHITE LED

3-Step MacAdam ellipse tunable white LED module available in 90+ CRI configuration. Features tuning range of 2700K to 5000K and 1800K to 4000K. Average rated lamp life of 50,000 hours. Driver assemblies are field-replaceable.

POWER SUPPLY PERFORMANCE AND DIMMING INFORMATION

	PHASE	0-1	10V			
Power Supply	2IE	2EG	2EN	2ED	2LD	2DD
Minimum °C	-20 °C	-20 °C	-20 °C	-20°C	-20 °C	-20 °C
Maximum °C	40°C	40 °C	40 °C	40 °C	40°C	40°C
Dimming %	2.0%	0.1%	0.1%	0.1%	0.1%	0.1%

Note: For EG and EN drivers consult chart on page 7 to confirm appropriate dimming curve for compatibility with selected control.

MAXIMUM ALLOWABLE REMOTE DRIVER WIRING DISTANCES

		۷	VIRE AW	G	
DRIVER	12	14	16	18	20
2EG, 2EN, 2ED, 2LD, 2DD	-	-	118'	72	46'

WALLWASH SPACING AND TILT

Adjustable Wallwash Cylinder must be tilted to achieve wallwashing effect. Recommended adjustable spacing is 36" (914mm) on center with 36" (914mm) setback from wall plane with 15° tilt. Recommended fixed spacing is 36" (914mm) on center spacing with 48" (1219mm) setback from wall plane.

LISTING

Cylinders and drivers CE Listed for Dry / Damp locations. Integral drivers ENEC and CB Listed.

DECLARE

LBC Red List Approved.

PART L

Part L compliant for all 75+ LPW residential and 95+ LPW commercial configurations.

WARRANTY

Manufacturer's 1-year warranty guarantees product(s) listed to be free from defects in material and workmanship under normal use and service. 5-year warranty on LED and power supply to operate with 70% of the original flux and remain within a range of 3 duv. 10-year Lutron Advantage limited warranty available on Lutron equipped systems. Warranty period begins from the date of shipment by Seller. Consult <u>website</u> for full warranty terms and conditions.

CHANGE LOG

- 1. 2/15/2024: PART L COMPLIANCE ADDED
- 2. 3/15/2024: 10 DEGREE FIELD REDUCER ADDED, 10 DEGREE PERFORMANCE DATA UPDATED





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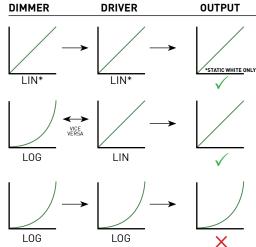
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DIMMING COMPATIBILITY

eldoLED DRIVER COMPATIBILITY

Power supply EG Manufacturer	Family/Model #
Busch-Jaeger	2112U-101
Jung	240-10
Leviton Lighting Controls	IP710-DLX
Lightolier Controls	ZP600FAM120
Merten	5729
Pass & Seymour	CD4FB-W
The Watt Stopper	DCLV1
Synergy	ISD BC
Crestron®	GLX-DIMFLV8
Crestron®	GLXP-DIMFLV8
Crestron®	GLPAC-DIMFLV4-*
Crestron®	GLPAC-DIMFLV8-*
Crestron®	GLPP-DIMFLVEX-PM
Crestron®	GLPP-1DIMFLV2EX-PM
Crestron®	GLPP-1DIMFLV3EX-PM
Crestron®	DIN-A08
Crestron®	DIN-4DIMFLV4
Crestron®	CLS-EXP-DIMFLV
Crestron®	CLCI-1DIMFLV2EX
Power supply EN Manufacturer	Family/Model #
Lutron Electronics	Nova T® - NTFTV
Lutron Electronics	Diva® - DVTV
Lutron Electronics	Nova® - NFTV
Lutron Electronics	GrafixEye® GRX-TVI w GRX3503
Lutron Electronics	Energy Savr Node [™] - QSN-4T16-S
Lutron Electronics	TVM2 Module
Sensor Switch	nIO EZ
ABB	SD/S 2.16.1

ANALOG DRIVERS AND DIMMERS



LIN = LINEAR LOG = LOGARITHMIC *LIN-TO-LIN NOT COMPATIBLE FOR WARM DIM



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