Our best-selling cylinders keep getting better. Adjustable, fixed, and wallwash are all offered in a broad range of sizes, with lumens from 500 to almost 5000lm, standard 90° tilt, and more than a dozen finish options. Now, there's a fixture for anywhere you need to illuminate anything.

## ORDERING INFORMATION

CYLINDER	FUNCTION	RATING	Cylinder Finish	BAFFLE FINISH	CRI/WATTAGE PACKAGE	ССТ	OPTIC (UGR)	MEDIA	POWER SUPPLY	MOUNTING																
СҮЗХ										EXMP																
<b>CY3X</b> 99mm Ø	AD 90° Adjustable AS 90° Adjustable Shallow Canopy* *(Remote driver only) AW Adjustable Wallwash FB Fixed WW Wallwash Fixed		Bronze BB Burnt Bronze BK Black CF Custom Finish* *[Consult Factory] ALUMINA FINISHES 01 Brushed Obsidian 02 Matte Obsidian 03 Brushed Dark Patinated Bronze 04 Matte Dark	BI BUITLE BB Burnt Bronze BK Black CF Custom Finish* *(Consult Factory) ALUMINA FINISHES 01 Brushed Obsidian 02 Matte Obsidian 03 Brushed Dark	STATIC WHITE           80511B         80+ CRI, 11 Watts           1240 Im delivered         80517B           80+ CRI, 11 Watts         19/3 Im delivered           80523B         80+ CRI, 23 Watts           2559 Im delivered         80532B           80532B         80+ CRI, 32 Watts           2559 Im delivered         80532B           80532B         80+ CRI, 32 Watts           3372 Im delivered         80533B*           80+ CRI, 32 Watts         3932 Im delivered           90533B*         80+ CRI, 38 Watts           90517B         90+ CRI, 11 Watts           1060 Im delivered         90517B           90+ CRI, 17 Watts         1661 Im delivered           90523B         90+ CRI, 23 Watts           2187 Im delivered         90532B*           90+ CRI, 32 Watts         2882 Im delivered           90538B*         90+ CRI, 38 Watts           3261 Im delivered         90538B*	24 2400K* *190-CRI only, 17W maxi 27 2700K 30 3000K 35 3500K 40 4000K	15       15 <sup>-</sup> (<13)	4 Soft Focus Lens (SFL)* *(Required for 10° optic) ALTERNATE MEDIA 0 No Lens* *(Not available for Warm Dim or Wet Location) 2 Honey Comb Louver (HCL)* *(Not available for Warm Dim or Wet Location) 3 Clear Glass Lens (CGL)* *(Not available for Warm Dim or Wet Location) 5 Frosted Glass Lens (FGL) 6 Frosted Soft	INTEGRAL 2IE Electronic Forward / Reverse 220V-240V REMOTE (220-277V) 2EG eldoLED, SOLOdrive 0.1% 0-10V, LOG 2EN eldoLED, SOLOdrive 0.1% DALI, LOG 2LD eldoLED, SOLOdrive 0.1% DALI, LIN	EXMP EXMP Export Mounting Plate Features 89mm diameter canop																
						Patinated Bronze <b>05</b> Brushed Aged Aluminum <b>06</b> Matte Aged Aluminum <b>07</b> Brushed Cast Brass <b>08</b> Matte Cast Brass	Patinated Bronze O4 Matte Dark Patinated Bronze O5 Brushed Aged Aluminum O6 Matte Aged Aluminum O7 Brushed Cast Brass O8 Matte Cast Brass	*(Remote driver required) 97511B 97+ CRI, 11 Watts 97517B 97+ CRI, 11 Watts 1528 Im delivered 97523B 97+ CRI, 23 Watts 2012 Im delivered 97532B 97+ CRI, 32 Watts 2651 Im delivered 97538B* 97+ CRI, 38 Watts 3092 Im delivered *(Remote driver required)			<ul> <li>6 Frosted Soft Focus Lens (FSFL)</li> <li>7 Frosted Linear Spread Lens (FLSL)</li> <li>C Clear Glass Film w/ Honeycomb Louver</li> <li>S Soft Focus Film w/</li> </ul>															
																									09 Brushed Light Patinated Bronze 10 Matte Light Patinated Bronze FINISH IMAGES ON PAGE 2	e 09 Brushed Light Patinated Bronze 10 Matte Light Patinated Bronze I FINISH IMAGES ON PAGE 2
					TUNABLE WHITE (REMOTE DRIVER ONLY) 90732B 90+ CRI, 32 Watts Warm Profile 2325 Im delivered Cool Profile 2580 Im delivered *ALL DELIVERED LUMEN OUT- PUTS REFLECT 3000K PAIRED WITH 20° OPTIC AND SOFT FOCUS LENS.	TR 4000K - 1800K TH 5000K - 2700K	15         15°         [<13]		TUNABLE WHITE REMOTE (220-277V) 2DD eldoLED, DUALdrive 0.1% DALI, LOG																	



CY3X ships as e.g., CY3XAD1WHWH80S17A304042EA2 •

Remote driver ships as e.g., PS-RMT-80S17A-2EG2



[DATE OF REV: 07222024]

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pg. 1

PROJECT NAME: TYPE:



#### ACCESSORIES

#### REPLACMENT MEDIA

Dry / Damp location or	nly, consult factory for wet location replacements
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)	
GL-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
	-

#### STATIC WHITE REPLACEMENT OPTICS

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

#### SUCTION CUP TOOL

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

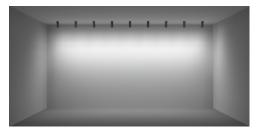
#### **EMERGENCY LIGHTING - REMOTE MOUNT ONLY**

During disruption of main power, emergency battery inverter provides temporary 120V or 277V to fixture.EMB-S-25-120/277-LEDX25 watt max capacity, 120 or 277 VAC 60HzEMB-S-100-120-LEDX100 watt max capacity, 120 VAC 60Hz, 0-10V dimmableEMB-S-100-277-LEDX100 watt max capacity, 277 VAC 60Hz, 0-10V dimmableEMB-S-250-120/277-LEDX250 watt max capacity, 120 or 277 VAC 60Hz\*SHUNT REQUIRED FOR USE WITH ATHENA AND CASAMBI CONTROLS, CONSULT FACTORY FOR DETAILS.



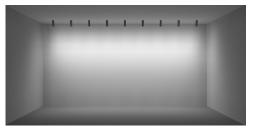


### WALLWASH DESIGN GUIDE



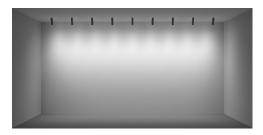
10° TILT 30" SETBACK / 30" ON CENTER SPACING

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



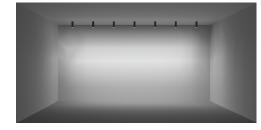
RECOMMENDED 15° TILT 36" SETBACK / 36" ON CENTER SPACING

- 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



#### RECOMMENDED 36" SETBACK / 48" ON CENTER SPACING

- 10FT CEILING SHOWN / 8-12FT IDEAL
- AVERAGE FC: 31.26
- MAX / MIN: 6.32
- 9 FIXTURES / 30FT WALL SHOWN

## ADDITIONAL SETBACKS AND SPACINGS



#### 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 SPACING		SETBACK / TILT		ON CENTER	SETBACK				
	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		

### \*ALL DATA REFLECTS 90S17B WATTAGE PACKAGE



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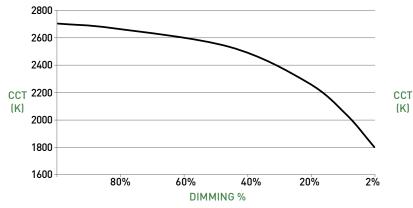
## STATIC WHITE PERFORMANCE - 3000K

												-		-		_		MEDIA L	IGHT LOSS	FACTOR
LUMEN PACKAGE	WATTAGE	FIELD R	PTIC EDUCER		US LENS	20° 0 SOFT FOO	US LENS	25° C SOFT FOO	US LENS	SOFT FOO		SOFT FOO	OPTIC CUS LENS	WALL	SH LENS	ADJ. WA WALLWA	SH LENS	MEDIA		GHT LOSS FACTOR
		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
80S32B	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 MULTI	PLIER
90S38B	38	-	-	2781	73	3361	88	3296	86	3121	82	3089	81	2626	69	3018	79	ССТ	С	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	TUNABLE	E WHITE MU	JLTIPLIER
90W24BD 3000K-1800K)	24	-	-	-	-	1777	74	1742	72	1685	70	1600	66	1422	59	1668	69	ССТ	5000K- 2700K	4000K 1800K
90T32BTR	32	-	_	2251	70	2325	72	2319	72	2359	73	2352	73	2072	64	2520	78	5000K	1.16	-
4000K-1800K)						2020	-	2017	-	2007		2002				2020		4000K	1.08	1.14
90T32BTH 5000K-2700K)	32	-	-	2458	76	2580	80	2533	79	2394	74	2291	71	2085	65	2401	75	3500K	1.04	1.07
																		3000K	1.00	1.00
	N configurati N configurati								DATING									2700K	0.96	0.92
		PTIC						D GLARE		40° 0PT		60° OF			WASH	_		2400K	-	0.84

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

INCANDESCENT DIMMING PROFILE										
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			



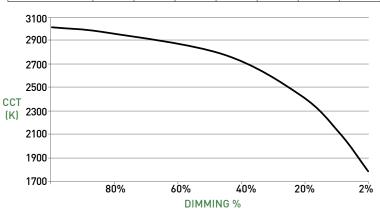
#### HALOGEN DIMMING PROFILE

1800K

\_

0.69

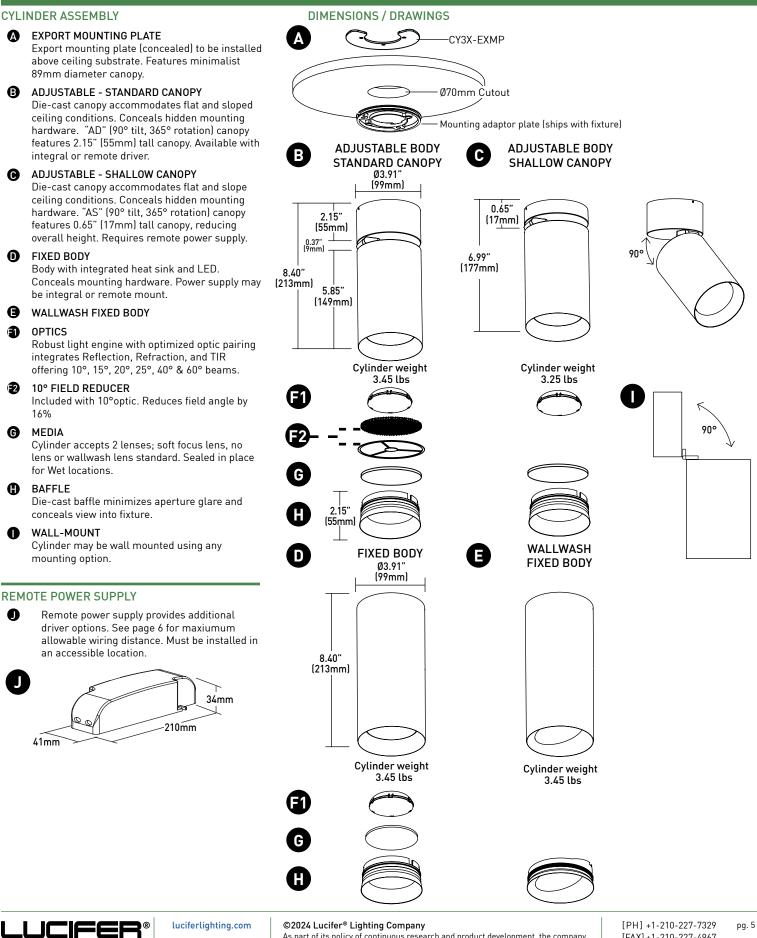
90W24BD 3000K - 1800K	Full on 100%	Dimmed to 80%	Dimmed to 70%	Dimmed to 50%	Dimmed to 20%	Dimmed to 10%	Dimmed to 2%
CCT (K)	3000	2950	2920	2775	2375	2000	1800
Light Output (Lm)	1777	1422	1244	889	355	178	36
Power (W)	24	19	17	12	5	2.4	0.5
Efficacy (LPW)	74	74	74	74	74	74	74





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## 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>Remote Power Supply</u>: 22 Gauge galvanized steel.

Remote Power Supply: 22 Gauge ga

### STATIC WHITE LED

2-step MacAdam ellipse LED module available in 80+, 90+ and 97+ CRI configurations in color temperatures of 2700K, 3000K, 3500K and 4000K.

3-step MacAdam ellipse LED module available in 90+ CRI configuration in color temprtature of 2400K. Average rated lamp life of 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	DALI			
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

	WIRE AWG							
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 and IP65 Wet 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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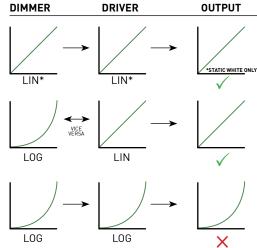
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### DIMMING COMPATIBILITY

#### eldoLED DRIVER COMPATIBILITY

Power supply <b>EG</b> 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 <b>EN</b> 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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