

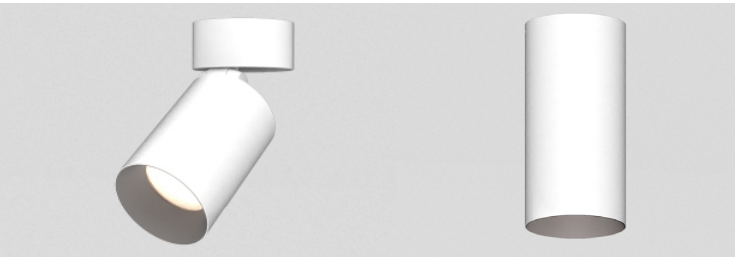
# CYLINDER 4

## SURFACE MOUNT

Highlight art, objects, places, spaces, seating areas, and architectural details with a classic profile that offers easy-to-adjust, in-field versatility.

PROJECT NAME:

TYPE:



ORDERING INFORMATION

JA8-2022 COMPLIANCE INDICATED BY SHADING

CYLINDER	FIXTURE	RATING	CYLINDER FINISH	BAFFLE FINISH	CRI / WATTAGE PACKAGE	OCT	OPTIC(UGR)	DRIVER	MEDIA	MOUNTING
CY4X										
CY4X 4.90"	AD Standard 90°	1 Dry/Damp (IP30)	WH White	WH White	<b>STATIC WHITE</b>	24 2400K* *(90+ CRI only)	15 15° (<10)	<b>INTEGRAL</b>	<b>STANDARD MEDIA</b>	JB0X Standard, J-Box Surface Mounting Plate  CMJB 1/2" and 3/4" Conduit Ceiling Mount Junction Box* *(Not available for Wet locations)
	FB Fixed Body	2 Wet (IP55)	AG Satin Silver	AG Satin Silver	80S30E 80+ CRI, 30 Watts Lm. Delivered - 3104	27 2700K	25 25° (<10)	1PH 120V 1% Forward / Reverse	4 Soft Focus Lens	
	WW Wallwash		AU Cashmere Gold	AU Cashmere Gold	80S41E 80+ CRI, 41 Watts Lm. Delivered - 4056	30 3000K	40 40° (<10)	1SG 0-10V Analog, LOG	W Wallwash Lens*	
			AB Architectural Bronze	AB Architectural Bronze	80S51E 80+ CRI, 51 Watts Lm. Delivered - 4851	35 3500K	60 60° (<16)	1SN 120 or 277V 1% 0-10V Analog, LIN	*(Required for Wallwash fixtures)	
			BB Burnt Bronze	BB Burnt Bronze	90S30E 90+ CRI, 30 Watts Lm. Delivered - 2667	40 4000K		<b>REMOTE (120-277V)</b>	<b>OPTIONAL MEDIA</b>	
			BK Black	BK Black	90S41E 90+ CRI, 41 Watts Lm. Delivered - 3484			1LH Lutron, Hi-Lume 1% Ecosystem *	0 No Lens*	
			CF Custom Finish* *(Consult Factory)	CF Custom Finish* *(Consult Factory)	90S51E 90+ CRI, 51 Watts Lm. Delivered - 4167			1EG eldoLED, 0.1% 0-10V, LOG	*(Not available for Wet locations)	
					97S30E 90+ CRI, 30 Watts Lm. Delivered - 2342			1EN eldoLED, 0.1% 0-10V, LIN	2 Honeycomb Louver*	
					97S41E 90+ CRI, 41 Watts Lm. Delivered - 3059			1ED eldoLED, 0.1% DALI, LOG	*(Not available for Wet locations)	
					97S51E 90+ CRI, 51 Watts Lm. Delivered - 3659			UAS1 / UASR Athena Control eldoLED, 0.1% 120-277V*	3 Clear Glass Lens	
								UCS1 / UCSR Casambi Control eldoLED, 0.1% 120-277V*	5 Frosted Glass Lens	
								*(Includes Node. Extended lead time, consult factory. UASR/UCSR includes shunt)	7 Frosted Linear Spread Lens	
					<b>TUNABLE WHITE</b>		15 15° (<10)	<b>TUNABLE WHITE REMOTE (120-277V)</b>		
					90T30B 90+ CRI, 30 Watts Cool Profile Lm. Delivered - 2231	TH 5000K - 2700K	25 25° (<10)	1DD eldoLED, DUALdrive 0.1% DALI, LOG	6 Frosted Soft Focus Lens	
					Warm Profile Lm. Delivered - 2084	TR 4000K - 1800K	40 40° (<10)	1DG eldoLED, DUALdrive 0.1% 0-10V, LOG		
					90T39B 90+ CRI, 39 Watts Cool Profile Lm. Delivered - 2720	TH 5000K - 2700K	60 60° (<16)	1DN eldoLED, DUALdrive 0.1% 0-10V, LIN		
					Warm Profile Lm. Delivered - 2587	TR 4000K - 1800K		UAD1 / UADR Athena Control eldoLED, DUALdrive 0.1% 120-277V*		
					*ALL DELIVERED LUMEN OUTPUTS AND T24 COMPLIANCE REFLECT 3000K PAIRED WITH 40° AND STANDARD MEDIA.			UCD1 / UCDR Casambi Control eldoLED, DUALdrive 0.1% 120-277V*		
							*SEE PAGE 2 FOR UGR RATINGS	*(Includes Node. Extended lead time, consult factory. UADR/UCDR includes shunt)	*ALL MEDIA T24 COMPLIANT FOR STATIC WHITE.	

POWDERCOAT FINISHES

(WH) White

(AG) Satin Silver

(AU) Cashmere Gold

(AB) Architectural Bronze

(BB) Burnt Bronze

(BK) Black

PART NUMBER NOTES

- CY4X-AD ships as e.g., CY4XAD1WHBK90S30A341SG\*4
- CY4X-FB ships as e.g., CY4XFB1WHBK80S30A441SG\*4
- CY4X-WW ships as e.g., CY4XWW1WHBK90S30A35SG\*W
- Remote driver ships as e.g., PSCY4X-RMT-90C-29B-LH\*
- CMJB ships as CY4X-CMJB-(finish)

**Declare.**

# CYLINDER 4 SURFACE MOUNT

## ACCESSORIES

### ALTERNATE EFFECTS DEVICES - INCLUDES LENS RETAINER

- ☐ **HCL-CY4X-01** Honeycomb Louver \*  
\*(Not available for Wet location)
- ☐ **CGL-CY4X-01** Clear Glass Lens
- ☐ **SFL-CY4X-01** Soft Focus Lens
- ☐ **FGL-CY4X-01** Frosted Glass Lens
- ☐ **FSFL-CY4X-01** Frosted Soft Focus Lens
- ☐ **FLSL-CY4X-01** Frosted Linear Spread Lens

### REPLACEMENT OPTIC ASSEMBLIES

- ☐ **RO-90-15** 15° optic
- ☐ **RO-90-20** 20° optic
- ☐ **RO-90-25** 25° optic
- ☐ **RO-90-40** 40° optic
- ☐ **RO-90-60** 60° optic
- ☐ **RO-90-WW** Wallwash optic

### EMERGENCY LIGHTING - REMOTE MOUNT ONLY

- ☐ **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, 0-10V Dimmable

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

## PERFORMANCE - 3000K - STANDARD EFFECTS DEVICE



JA8-2022 INDICATED BY SHADING

LUMEN PACKAGE	WATTAGE	15° OPTIC		25° OPTIC		40° OPTIC		60° OPTIC		WALLWASH OPTIC	
		DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW
80S30E	30	3193	106	3030	101	3104	103	2930	98	3068	102
80S41E	41	4272	104	3930	96	4056	99	3825	93	4042	99
80S51E	51	5073	99	4717	92	4851	95	4590	90	4852	95
90S30E	30	2743	91	2603	87	2667	89	2517	84	2636	88
90S41E	41	3670	90	3376	82	3484	85	3286	80	3472	85
90S51E	51	4358	85	4052	79	4167	82	3943	77	4168	82
97S30E	30	2408	80	2285	76	2342	78	2210	74	2314	77
97S41E	41	3222	79	2964	72	3059	75	2885	70	3048	74
97S51E	51	3826	75	3558	70	3659	72	3462	68	3659	72
90T30BH (5000K-2700K)	30	2313	77	2197	73	2331	74	2110	70	2205	74
90T39BH (5000K-2700K)	39	2827	72	2720	70	2770	71	2628	67	2778	71
90T30BR (4000K-1800K)	30	2160	72	2052	68	2084	69	1971	66	2059	69
90T39BR (4000K-1800K)	39	2640	68	2540	65	2587	66	2454	63	2594	67

### OUTPUT MULTIPLIER

CCT	CCT SCALE
2400K	0.76
2700K	0.97
3000K	1.00
3500K	1.03
4000K	1.08

### MEDIA LIGHT LOSS FACTOR

MEDIA	LIGHT LOSS FACTOR
NO LENS	1.05
CGL	1.00
SFL	1.00
FGL	0.89
FSFL	0.87
FLSL	0.82
HCL	0.65

### TUNABLE WHITE MULTIPLIER

CCT	5000K-2700K	4000K-1800K
5000K	1.16	-
4000K	1.08	1.14
3500K	1.04	1.07
3000K	1.00	1.00
2700K	0.96	0.92
2400K	-	0.84
1800K	-	0.69

### UNIFIED GLARE RATING

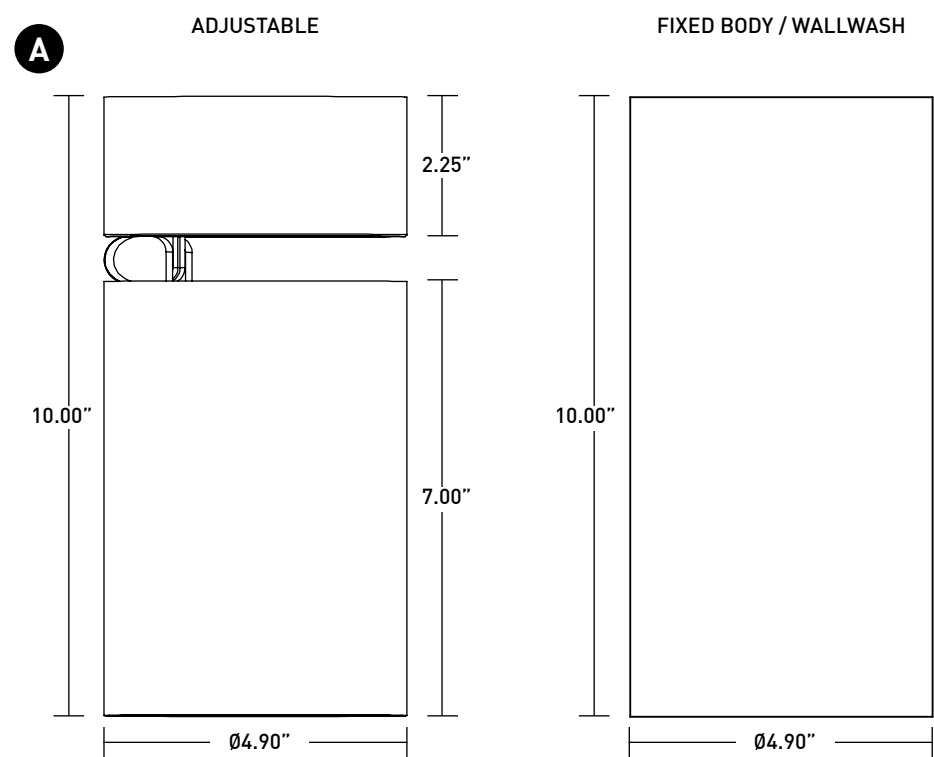
15° OPTIC SOFT FOCUS LENS	25° OPTIC SOFT FOCUS LENS	40° OPTIC SOFT FOCUS LENS	60° OPTIC SOFT FOCUS LENS	WALLWASH OPTIC
<10	<10	<10	<16	<16

# CYLINDER 4 SURFACE MOUNT

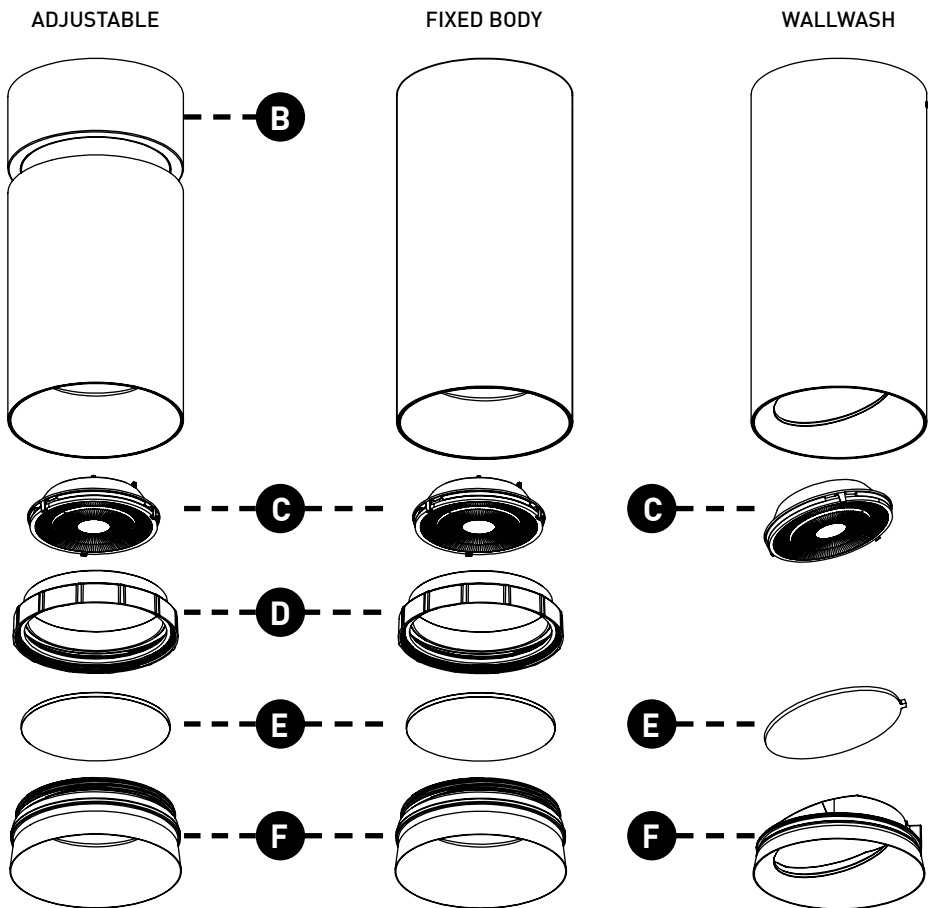
## FIXTURE

- A LUMINAIRE**  
Body with integrated heat sink and LED. Power supply may be integral or remote mount.
- B ADJUSTABLE CANOPY**  
Die-cast canopy accommodates flat and sloped ceiling conditions. Conceals hidden twist-on mounting hardware. Features 90° tilt and 2.25" tall canopy.
- C ADJUSTABLE AND FIXED BODY OPTIC**  
Robust light engine with optimized optic pairing integrates Reflection, Refraction and TIR offering 15°, 25°, 40° & 60° beams.
- WALLWASH OPTIC**  
Robust light engine with precision tuned kick reflector and optic provide uniform wallwashing effect.
- D ADJUSTABLE AND FIXED BODY LENS RETAINER**  
Threaded lens retainer attaches to baffle and accommodates up to two media.
- E ADJUSTABLE AND FIXED BODY MEDIA**  
Soft focus lens standard. Media is field-changeable in Dry/Damp and Wet locations.
- WALLWASH MEDIA**  
Wallwash lens is fixed to baffle and not field changeable.
- F BAFFLE**  
Die-cast baffle minimizes aperture glare and conceals view into fixture.

## DIMENSIONS / DRAWINGS



Fixture Weight - 6.0 lbs



# CYLINDER 4 SURFACE MOUNT

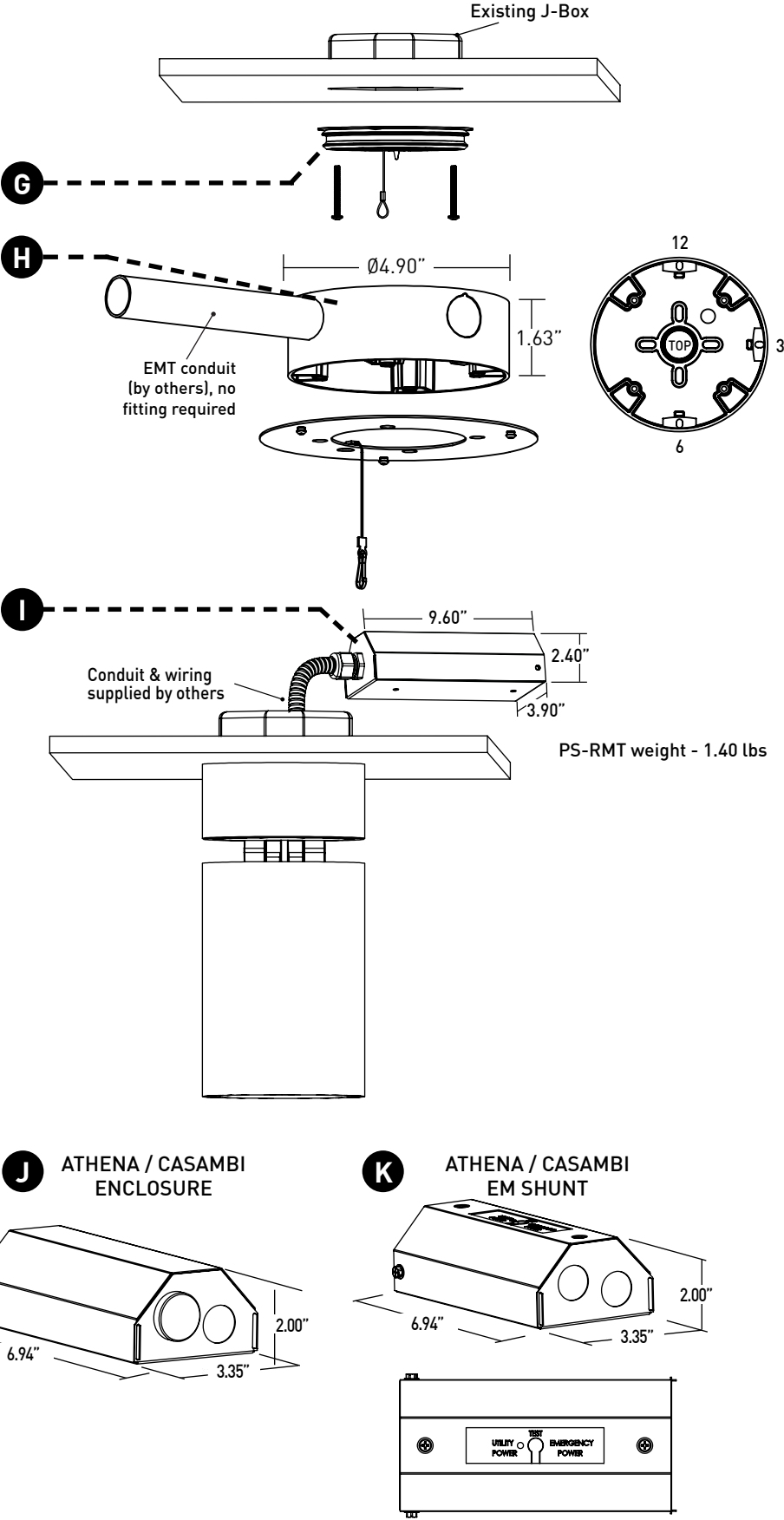
## MOUNTING

- G MOUNTING ADAPTOR**  
Mounting adaptor (concealed) for standard 3/0 and 4/0 j-boxes. Surface mounted, does not require installation prior to rough-in. Fixture mounts flush with minimalist transition to ceiling.
- H CMJB**  
Ceiling mount junction box perfectly matches the cylinder profile for a continuous, integrated look where exposed ceiling mount junction box and conduit applications apply. For use with 1/2" and 3/4" EMT conduit only. Features three conduit entrances at 12, 3, and 6 o'clock plus one conduit knockout on top. Painted finishes only. Blank off plugs included.

## REMOTE POWER SUPPLY

- I PS-RMT**  
Do not install in environments where ambient temperatures exceed 35°C (95°F). Remote power supply provides additional driver options. Mounting device still required. Consult install guide for maximum allowable secondary run lengths between PS-RMT and fixture.
- J ATHENA / CASAMBI CONTROL**  
Controls integrated into remote driver assembly. All equipment is serviceable.  
  
Athena Model Numbers: A-WN-D01-RF-BL & DFC-OEM-DBI  
  
Casambi Model Number: BT-S1E1-5400
- K ATHENA / CASAMBI EM SHUNT**  
Included with drivers specified as UASR, UADR, UCSR, or UCDR. One required for each wireless EM fixture, requires class 2 control wiring between fixture and shunt. Features integrated test switch.  
  
Model Number: PS-RMT-SHUNT

## DIMENSIONS / DRAWINGS



# CYLINDER 4 SURFACE MOUNT

## TECHNICAL

### CONSTRUCTION

**Cylinder:** Machined aluminum body; extruded aluminum internal heat-sink; painted finishes are granulated powder coat.  
**CMJB:** Die-cast aluminum body; painted finishes are granulated powder coat.  
**Remote Power Supply:** 22 Gauge galvanized steel.

### 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+ configuration in color temperature of 2400K. 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 ranges of 1800K to 4000K and 2700K to 5000K. Average rated lamp life: 50,000 hours. Driver assembly is field-replaceable.

### POWER SUPPLY PERFORMANCE AND DIMMING INFORMATION

	PHASE	0-10V						ECO	DALI		ATHENA		CASAMBI	
Power Supply	1PH	1SG	1SN	1EG	1EN	1DG	1DN	1LH	1ED	1DD	AS1	AD1	CS1	CD1
Minimum °C	-10 °C	-10 °C	-10 °C	-20 °C	-20 °C	-20 °C	-20 °C	0 °C	-20 °C	-20 °C	0 °C	0 °C	-20 °C	-20 °C
Maximum °C	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C
Dimming %	1.0%	1.0%	1.0%	0.1%	0.1%	0.1%	0.1%	1.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%

Note: 1LH, 1EG and 1EN drivers consult chart on page 6 to confirm appropriate dimming curve for compatibility with selected control.

### MAXIMUM ALLOWABLE REMOTE DRIVER WIRING DISTANCES

DRIVER	WIRE AWG				
	12	14	16	18	20
PH,SG,SN	285'	180'	113'	71'	45'
LH	60'	40'	25'	15'	-
EG, EN, ED, DG, DN, DD, AS, AD, CS, CD	-	-	118'	72'	46'

### MOUNTING

Cylinder is supplied with a mounting adaptor, which integrates with standard 3/0 or 4/0 junction boxes. Ceiling-mount junction box available for 1/2" (13mm) and 3/4" (19mm) conduit and features concealed internal clamps for clean fitting-free conduit exit and entry.

### WALLWASH SPACING

Recommended fixture spacing is 48" on center with 48" setback from wall plane.

### LISTING

cTUVus listed to UL1598 standard for Dry / Damp and Wet locations. IP30 (Dry/ Damp) rated at IEC60598 and IP55 (Wet) rated at IEC60529.

Title 24 JA8-2022 Listed.

NEMA 410 compliant.

### BUY AMERICAN ACT

All CY4X configurations are Buy American Act compliant.

### DECLARE

LBC Red List Approved.

### WEIGHT

Adjustable - 5.4 lbs max

Fixed / Wallwash - 6 lbs max

Remote Driver - 1.4 lbs

### LIMITED 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 [website](#) for full warranty terms and conditions.

### CHANGE LOG

- 01/06/2022: ADDED TITLE 24 JA8-2022 LISTING.
- 04/26/2023: ADDED DECLARE LBC RED LIST APPROVED.
- 08/08/2023: ADDED NEW LED AND OPTIC SYSTEM.
- 1/11/2024: ADDED ATHENA/CASAMBI OFFERINGS, ADDED 2400K OFFERING, ADDED RESIDENTIAL TW OFFERING.
- 07/11/2024: UPDATED AVAILABLE POWDERCOAT FINISHES.
- 07/22/2024: REMOVED L2 DRIVER.



# CYLINDER 4 SURFACE MOUNT

## DIMMING COMPATIBILITY

### LUTRON DRIVER COMPATIBILITY

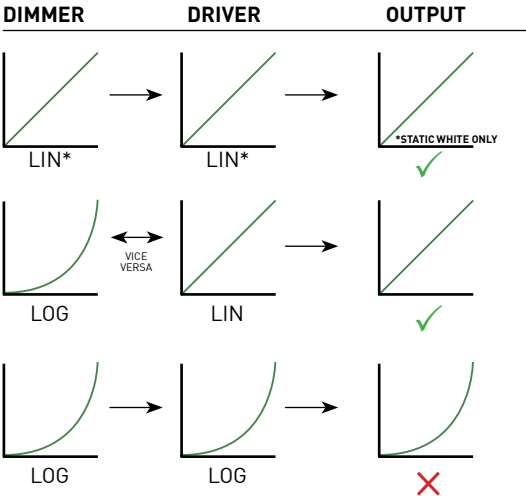
Power supply 1LH Lutron Product Family	Part No.
PowPak Dimming Modules	RMJ-EC032-DV-B
PowPak Dimming Modules	FCJ/FCJS-ECO
Energi Savr Nodes	QSN-1ECO-S
GRAFIK Eye QS control unit	QSN-2ECO-S
Homeworks QS control unit	QSGRJ- _E (wireless) QSGR- _E
Quantum Hub	QP2- _ _ 2C
Quantum Hub	QP2- _ _ 4C
Quantum Hub	QP2- _ _ 6C
Quantum Hub	QP2- _ _ 8C
Homeworks QS power module	LQSE-2ECO-D
myRoom Plus power module	



### eldoLED DRIVER COMPATIBILITY

Power supply EA2 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 LA2 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