

# CYLINDER CP4

## SUSPENDED MOUNT

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

### ORDERING INFORMATION



JA8-2019 COMPLIANCE INDICATED BY SHADING

CYLINDER	CABLE	CABLE COLOR	FUNCTION	RATING	CYLINDER FINISH	BAFFLE FINISH	LUMEN PACKAGE	CCT	DOWN OPTIC	DRIVER	EFFECTS DEVICE	MOUNTING
<b>CP4</b>												
CP4 4.90"	096 8 Feet	W White	FB Down Only	1 Dry/Damp (IP30) 2 Wet (IP55)* *(Not available for Up / Down "UD")	WH White	WH White	<b>STATIC WHITE</b> <b>80C18B</b> 80+ CRI, Down Dlv. Lumens 1362 Up Dlv. Lumens 1148 <b>80C34B</b> 80+ CRI, Down Dlv. Lumens 2378 Up Dlv. Lumens 1148 <b>90C15B</b> 90+ CRI, Down Dlv. Lumens 1167 Up Dlv. Lumens 1038 <b>90C29B</b> 90+ CRI, Down Dlv. Lumens 2251 Up Dlv. Lumens 1038  <b>***Disregard Up Light performance figures if "FB" is specified</b>	27 2700K 30 3000K 35 3500K 40 4000K	15 15° 25 25° 40 40° 60 60°	<b>INTEGRAL</b> <b>1PH</b> 120V 1% ELV/TRIAC* *(Not available for Up / Down "UD", 80C18B or 90C15B) <b>1SG</b> 120 or 277V 1% 0-10V Analog, LOG <b>1SN</b> 120 or 277V 1% 0-10V Analog, LIN  <b>REMOTE (120V)</b> <b>1L2</b> Lutron, Hi-Lume 1% 2-Wire * *(Not available for 80C55B or 90C47B)  <b>REMOTE (120-277V)</b> <b>1LH</b> Lutron, Hi-Lume 1% Ecosystem * *(Not available for 80C55B or 90C47B) <b>1EG</b> eldoLED, SOLOdrive 0.1% 0-10V, LOG <b>1EN</b> eldoLED, SOLOdrive 0.1% 0-10V, LIN <b>1ED</b> eldoLED, SOLOdrive 0.1% DALI, LOG  *For up / downlight fixtures two drivers will be provided, except 1ED will be provided with one driver. both sources can be controlled independently or together.	<b>STANDARD EFFECTS DEVICE</b> <b>4</b> Soft Focus Lens  <b>OPTIONAL EFFECTS DEVICE</b> <b>0</b> No Lens* *(Not available for Wet locations) <b>2</b> Honeycomb Louver* *(Not available for Wet locations) <b>3</b> Clear Glass Lens <b>5</b> Frosted Glass Lens <b>6</b> Frosted Soft Focus Lens <b>7</b> Frosted Linear Spread Lens *This section only pertains to downlight source.  <b>TUNABLE WHITE REMOTE (120-277V)</b> <b>1DD</b> eldoLED, DUALdrive 0.1% DALI, LOG <b>1DG</b> eldoLED, DUALdrive 0.1% 0-10V, LOG <b>1DN</b> eldoLED, DUALdrive 0.1% 0-10V, LIN *All effects devices are T24 compliant for static white.	<b>JBOX</b> Standard, J-Box Surface Mounting Plate <b>CMJB</b> 1/2" and 3/4" Conduit Ceiling Mount Junction Box* *(Not available for Wet locations)
	192 16 Feet	B Black	UD Up / Down		BK Black	BK Black						
	*For cable lengths over 16' Consult Factory. All lengths are field-cuttable.				AB Architectural Bronze	AB Architectural Bronze						
					AG Satin Silver	AG Satin Silver						
					CF Custom Finish* *(Consult Factory)	AU Cashmere Gold						
						CF Custom Finish* *(Consult Factory)						



### PART NUMBER NOTES

- CP4-FB ships as e.g., CP4192WFB1WHBK80C34B131PH\*4
- CP4-UD ships as e.g., CP4096BUD1AGBK90C29B131SG\*4
- Downlight remote driver ships as e.g., PSCY4-RMT-90C-29B-LH\*
- Uplight remote driver ships as e.g., PSCY4-RMT-UPLIGHT-LH\*
- CMJB ships as CY4-CMJB-(finish)

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## ACCESSORIES

### DOWNLIGHT ALTERNATE EFFECTS DEVICES

- HCL-CY4-01** Honeycomb Louver \*  
\*(Not available for Wet location)
- CGL-CY4-01** Clear Glass Lens
- SFL-CY4-01** Soft Focus Lens
- FGL-CY4-01** Frosted Glass Lens
- FSFL-CY4-01** Frosted Soft Focus Lens
- FLSL-CY4-01** Frosted Linear Spread Lens

### REPLACEMENT DOWN OPTIC ASSEMBLIES

- RO-90-15** 15° optic
- RO-90-25** 25° optic
- RO-90-40** 40° optic
- RO-90-60** 60° optic

### EMERGENCY LIGHTING - REMOTE MOUNT ONLY

- EMB-S-100-120-LEDX** 100 watt max capacity, 120 VAC 60Hz, Dimmable
- EMB-S-100-277-LEDX** 100 watt max capacity, 277 VAC 60Hz, Dimmable
- EMB-S-250-120/277-LEDX** 250 watt max capacity, 120 or 277 VAC 60Hz, Dimmable

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

## PERFORMANCE - 3000K - SOFT FOCUS LENS

LUMEN PACKAGE	WATTAGE	15° OPTIC (DOWNLIGHT)		25° OPTIC (DOWNLIGHT)		40° OPTIC (DOWNLIGHT)		60° OPTIC (DOWNLIGHT)		UPLIGHT	
		DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW
80C18B	14	1318	94	1337	95	1362	97	1251	89	1148	82
80C34B	28	2301	82	2335	83	2378	85	2185	78	1148	82
90C15B	14	1129	81	1145	82	1167	83	1072	77	1038	74
90C29B	28	2178	78	2210	79	2251	80	2068	74	1038	74
90T20B	31	1757	57	1805	58	1874	60	1720	55	-	-
90T30B	49	2636	54	2708	55	2811	57	2580	53	-	-



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STATIC WHITE OUTPUT MULTIPLIER	
CCT	CCT SCALE
2700K	0.957
3000K	1.000
3500K	1.019
4000K	1.030

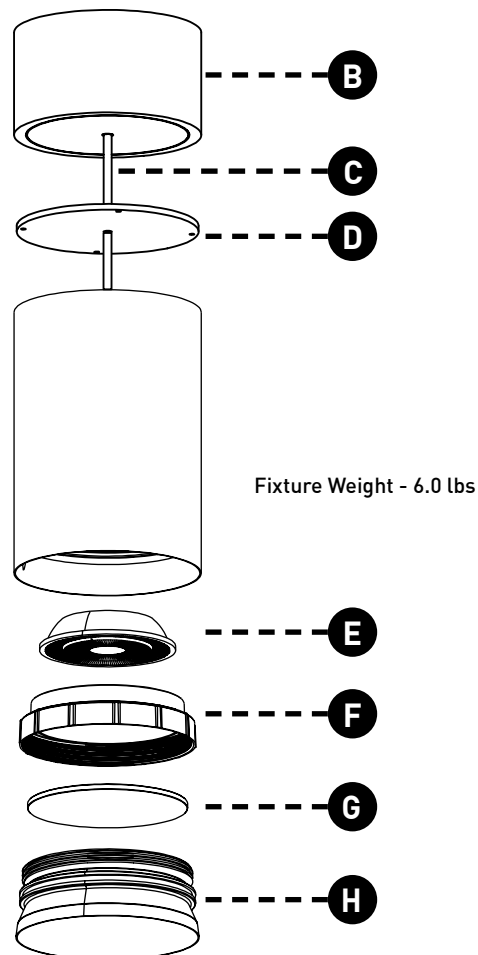
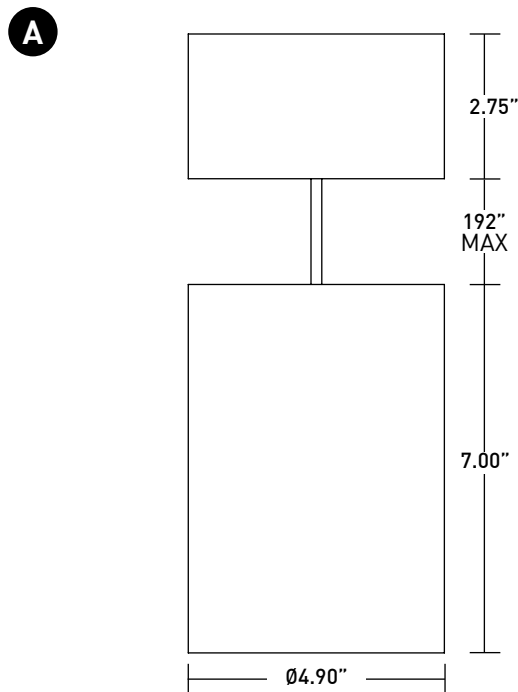
LIGHT LOSS FACTOR MULTIPLIER	
Component	Multiplier
No Lens	1.05
CGL	1.05
SFL	1.00
FGL	0.90
FSFL	0.87
FLSL	0.83
HCL	0.65

# CYLINDER CP4 SUSPENDED MOUNT

## FIXTURE

- A LUMINAIRE**  
Body with integrated heat sink and LED(s). Power supply may be integral or remote mount.
- B CANOPY**  
Die-cast canopy accommodates flat and sloped ceiling conditions. Conceals hidden twist-on mounting hardware. Available with integral or remote driver.
- C CABLE**  
Black or White wiring harnesses are available. Available in lengths up to 192" maximum, cable is field cuttable, consult factory for lengths greater than 192".
- D UPLIGHT OPTIC**  
120° Spread lens; Uplight only available for Dry/Damp locations.
- E DOWNLIGHT OPTIC**  
Field-changeable optics available in 15°, 25°, 40° and 60° beams.
- F LENS RETAINER**  
Threaded lens retainer attaches to baffle and accommodates up to two effects devices.
- G DOWNLIGHT EFFECTS DEVICE**  
Soft focus lens standard. Effects device is field-changeable in Dry/Damp and Wet locations.
- H BAFFLE**  
Die-cast baffle minimizes aperture glare and conceals view into fixture.

## DIMENSIONS / DRAWINGS

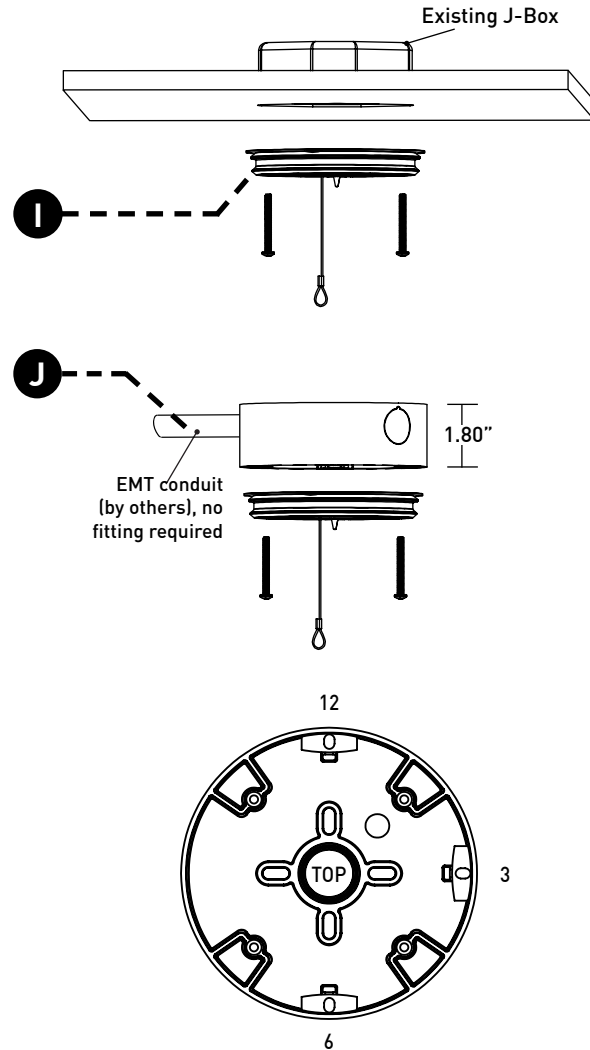


# CYLINDER CP4 SUSPENDED MOUNT

## MOUNTING

- I 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.
- J 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.

## DIMENSIONS / DRAWINGS



# CYLINDER CP4 SUSPENDED MOUNT

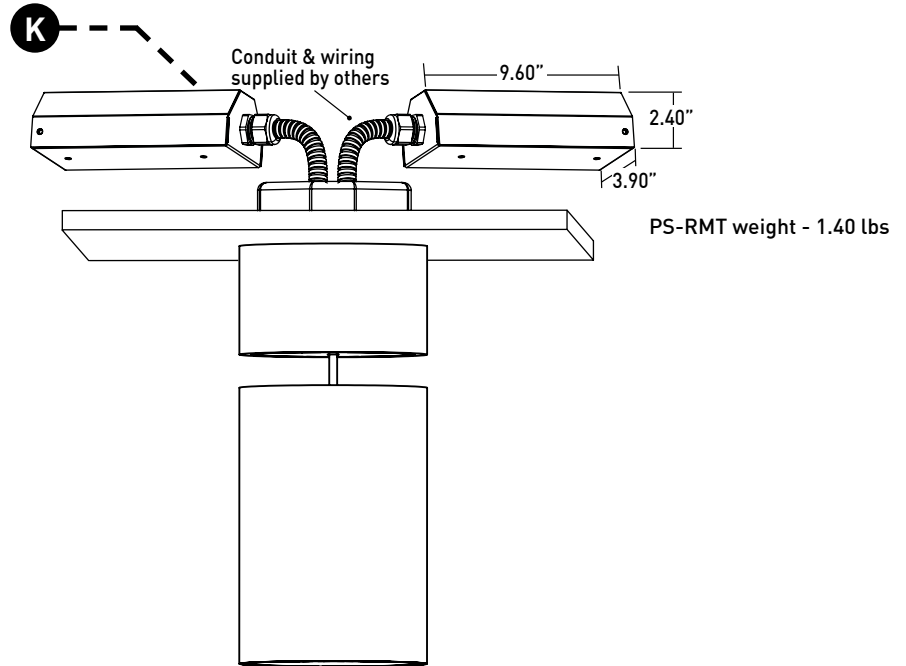
## REMOTE POWER SUPPLY

**K**

### 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.

## DIMENSIONS / DRAWINGS



## UP / DOWNLIGHT FIXTURE CONTROL INFORMATION

DRIVER	DRIVER QUANTITY	SOURCES DIM INDEPENDENTLY OR TOGETHER	WIRING REQUIREMENTS
1PH	2	X	For independent control, two switch legs required.
1SG	2	X	For independent control, two switch-legs and two 0-10V control leads required.
1SN	2	X	For independent control, two switch-legs and two 0-10V control leads required.
1L2	2	X	For independent control, two switch legs required.
1LH	2	X	For independent control, two EcoSystem addresses required.
1ED	1	X	For independent control, two DALI addresses required.
1EG	2	X	For independent control, two switch-legs and two 0-10V control leads required.
1EN	2	X	For independent control, two switch-legs and two 0-10V control leads required.

# CYLINDER CP4 SUSPENDED 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

Proprietary 2 step MacAdam ellipse LED modules available in 80+ and 90+ CRI configurations in color temperatures of 2700K, 3000K, 3500K and 4000K. Average rated lamp life of 50,000 hours. Driver assemblies are field-replaceable.

### TUNABLE WHITE LED

Proprietary 5-step MacAdam ellipse tunable white LED module available in 90+ CRI configuration. Features tuning range of 2700K to 5000K.

Average rated lamp life: 50,000 hours. Driver assembly is field-replaceable.

### POWER SUPPLY PERFORMANCE AND DIMMING INFORMATION

Power Supply	1PH	1SG	1SN	1L2	1LH	1EG	1EN	1ED	1DD	1DG	1DN
Minimum °C	-10 °C	-10 °C	-10 °C	0 °C	0 °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	40 °C	40 °C	40 °C	40 °C	40 °C
Dimming %	1.0%	1.0%	1.0%	1.0%	1.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%

Note: 1L2, 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'
L2, LH	60'	40'	25'	15'	-
EG, EN, ED, DG, DN, DD	-	-	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.

### 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 JA8-2019 Listed.

### BUY AMERICAN ACT

CP4-FB configuration is Buy American Act compliant.

### 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 and conditional upon the use of manufacturer-supplied power supply. Consult [website](#) for full warranty terms and conditions.

### CHANGE LOG

1.01/06/2022: ADDED TITLE 24 JA8-2019 LISTING.

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## DIMMING COMPATIBILITY

### LUTRON DRIVER COMPATIBILITY

Power supply <b>1L2</b> Lutron Product Family	Part No.
Maestro WirelessR 600 W dimmer	MRF2-6ND-120-
Maestro WirelessR 1000 W dimmer	MRF2-10ND-120-
Caséta® Wireless Pro 1000 W dimmer	PD-10NXD-
GRAFIK T™ CL® dimmer	GT-250M- GTJ-250M-
HomeWorks® QS adaptive dimmer	HQRD-6NA-
HomeWorks® QS 600 W dimmer	HQRD-6ND-
HomeWorks® QS 1000 W dimmer	HQRD-10ND-
RadioRA® 2 adaptive dimmer	RRD-6NA-
RadioRA® 2 1000 W dimmer	RRD-10ND
myRoom™ DIN power module	MQSE-4A1-D
HomeWorks® QS DIN power module	LQSE-4A1-D
HomeWorks® QS wallbox power module	HQRJ-WPM-6D-120
HomeWorks® wallbox power module	HWI-WPM-6D-120
GRAFIK Eye® QS control unit	QSGR-, QSGRJ-
GRAFIK Eye® 3000 control unit	GRX-3100- GRX-3500-
RPM-4U module (LCP, HomeWorks® QS, GRAFIK Systems™, Quantum®)	HW-RPM-4U-120 LP-RPM-4U-120
RPM-4A module (LCP, HomeWorks® QS, GRAFIK Systems™, Quantum®)	HW-RPM-4A-120, LP-RPM-4A-120
GP dimming panels	Various
Ariadni CL 250W dimmer	AYCL-253P-
Diva CL 250W dimmer	DVCL-253P- DCSCCL-253P-
Nova T CL 250W dimmer	NTCL-250-
Power supply <b>1LH</b> Lutron Product Family	Part No.
PowPak Dimming Modules	RMJ-ECO32-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 <b>EA2</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>LA2</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

