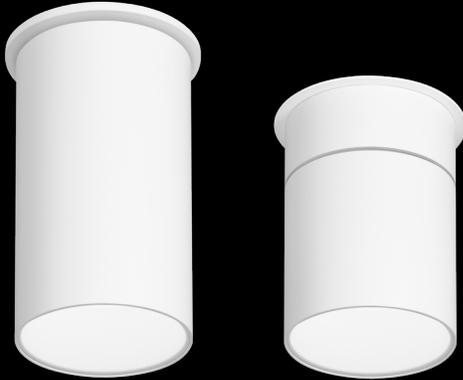
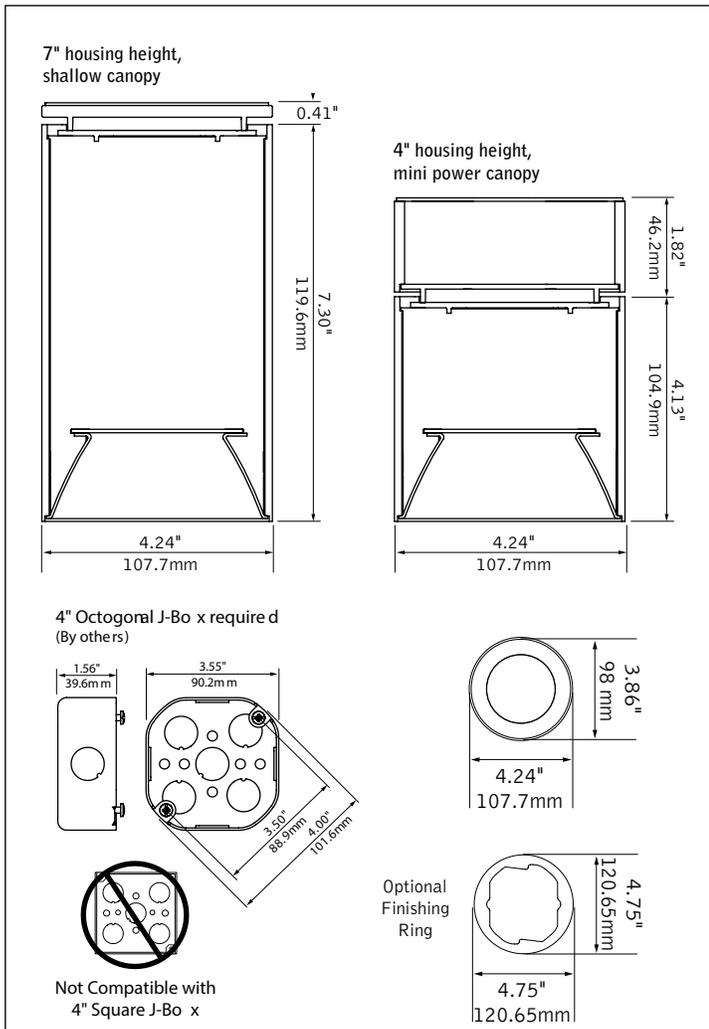


# ID+ 3.5" Pure Cylinder

LED SURFACE MOUNT



## DIMENSIONAL DATA



## FEATURES

3.5" solid body surface mount cylinder available in 4" or 7" housing heights.

50°, 60° and 75° cut-off reflector options available.

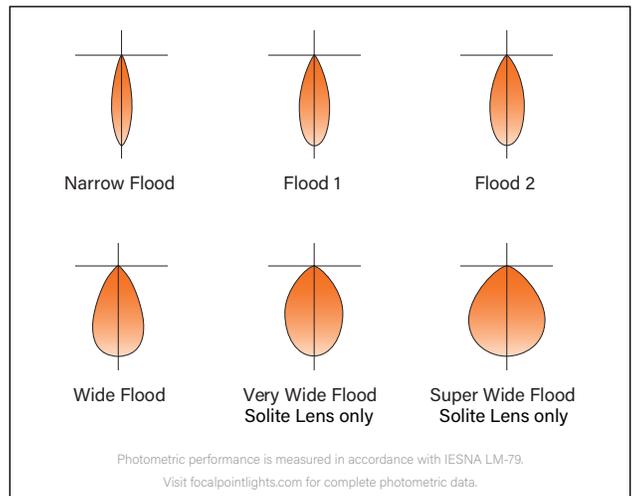
25° to 90° beam spreads support accent lighting, task lighting and general illumination.

Multiple canopy options enable various driver offerings and conduit installations while maintaining premier aesthetics.

PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

Cohesive and powerful performance by using the optics and light sources of ID+ 3.5" recessed family.

## DISTRIBUTIONS



fixture:

project:

### SPECIFICATIONS

#### LED System

Proprietary LED module with single light emitting source. May be specified in 2700K, 3000K, 3500K or 4000K in CRI>80 or CRI>90. 3500K and 4000K with CRI>90 have a cyanosis observation index (COI) of 3.3 or less. Color accuracy within 2 SDCM. Aluminum heat sink provides appropriate thermal management.

#### Construction

Housing is extruded aluminum. Internal reflector (DNT and DNS) are spun aluminum. DSS reflector is die-cast aluminum. Fixture will not exceed 7 lb.

#### Optics

Optic	Cut-off degree	Distribution Beam Spread   Spacing Criteria					
		NFL	FL1	FL2	WFL	VWFL	SWFL
DNT	 50°	26°   0.54	37°   0.62	45°   0.76	58°   0.87	—	—
DNS	 60°	25°   0.42	37°   0.63	45°   0.75	56°   0.92	—	—
DSS	 75°	26°   0.44	37°   0.60	45°   0.72	56°   0.84	74°   1.07	91°   1.24

#### Electrical

Choice of constant current dimming drivers. Power factor > .9 typical. PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires. L11 & LFP with Shallow Canopy (SC), Decorative Shallow Canopy (DSC), and Mini Power Canopy (MPC) not Right Light as standard, consult factory.

#### Emergency

Emergency output —7W for 90 minutes. Maximum mounting height: 17ft for CD/ WH reflectors, and 15.1ft for WD/ BK reflectors. J-box cannot be recessed above the ceiling with Emergency Battery.

#### Labels

UL and cUL listed. Suitable for Dry or Damp Locations, indoor use only. Shallow Canopy with Integral Driver, Wet Location standard, indoor use only.

#### Finish

Polyester powder coat applied over a multi-stage pre-treatment.

#### Lumen Maintenance

Calculated: L70 at 60,000hours      Reported: L70 at 60,000 hours  
(Derived from EPA TM-21 calculator per X,000 hours of LED test data)

#### Reliability

At Focal Point, our products are designed to stand the test of time. Each luminaire is engineered using superior components, manufactured with the utmost care and rigorously tested. Contact us for reliability data.

#### Warranty

LED system rated for operation in ambient environments up to 25°C. 5 year limited warranty.

### 7" ORDERING

Luminaire Series	FLCY3N	FLCY3N
ID+ 3.5" Pure Cylinder		
<b>Trim Type</b>		<b>RD</b>
Round	RD	
<b>Housing Height</b>		<b>7H</b>
7"	7H	
<small>(Up to 24" in 1/2" increment with conditions. Consult factory for details.)</small>		
<b>Direct Lumen Output</b>		
700 Lumens*	700DN	
900 Lumens*	900DN	
1100 Lumens	1100DN	
1300 Lumens	1300DN	
1500 Lumens	1500DN	
1700 Lumens	1700DN	
1900 Lumens (PC, DPC, MPC only)	1900DN	
2100 Lumens (PC or DPC only)	2100DN	
2300 Lumens (PC or DPC only, DSS not available.)	2300DN	
<b>Color Temperature</b>		
<small>(Add 9 for 90 CRI or H for 97 CRI. Leave blank for 80 CRI.)</small>		
2700K, 80/90/97+ CRI	_27K	
3000K, 80/90/97+ CRI	_30K	
3500K, 80/90/97+ CRI	_35K	
4000K, 80/90/97+ CRI	_40K	
2700-1800K, 90+ CRI**	92718W	
3000-1800K, 90+ CRI**	93018W	
1800-4000K, 90+ CRI (900DN max)†	91840T	
2700-5000K, 90+ CRI (1300DN max)†	92750T	
2700-6500K, 90+ CRI (1300DN max)†	92765T	

Warm Dim  
Tunable White

#### Circuits

Single Circuit 1C

#### Voltage

UNV 120/277 Volt UNV  
120 Volt 120  
277 Volt 277

#### Canopy Configuration

Shallow Canopy, Integral Driver<sup>1</sup> SC  
Shallow Canopy with decorative J-box cover,<sup>1</sup> Integral Driver DSC  
Power Canopy, driver inside canopy<sup>2</sup> PC  
Power Canopy with decorative J-box cover,<sup>2</sup> driver inside canopy DPC  
Mini Power Canopy, drive inside canopy MPC  
(1900DN max. L11 & LFP only. Not available with Warm Dim & Tunable White)

#### Canopy Color<sup>3</sup>

Matte Black BK  
Matte White WH  
Paladium Silver PS

#### Control System & Dimming Level

0-10V - 0% Dimming<sup>4</sup> LZ1  
0-10V - 1% Dimming L11  
0-10V - 10% Dimming<sup>4</sup> LD1  
Low Voltage, PoE compatible LVN  
(SC, DSC only. LV Voltage only. EMR, Warm Dim & Tunable White not available.) LVN  
Phase Dimming LFP  
(120V only. 700DN & 900DN not available with PC or DPC)  
Lutron Hi-Lume EcoSystem (LDE1) -<sup>4</sup>  
1% Dimming (700DN, 900DN not available) LH1  
DALI - 0% Dimming<sup>4</sup> DZ1  
DALI - <1% Dimming (Tunable White)<sup>4</sup> DZTW  
DALI - 1% Dimming<sup>4</sup> D11

#### Mounting

Surface Mount

#### Direct Optic

50° cut-off cone DNT  
60° cut-off cone DNS  
75° cut-off cone with Solite Lens DSS

#### Direct Distribution

Narrow Flood NFL  
Flood 1 FL1  
Flood 2 FL2  
Wide Flood WFL  
Very Wide Flood (DSS only) VWFL  
Super Wide Flood (DSS only) SWFL  
Low Voltage (LVN control system only) LV

#### Factory Options

Emergency Battery Remote EMR  
(J-box cannot be recessed above the ceiling. Remote test switch. LV, Warm Dim & Tunable White not available.)

#### Reflector Color

Clear Diffuse CD  
Warm Diffuse WD  
White WH  
Black BK

#### Luminaire Finish<sup>3</sup>

Black BK  
White WH  
Paladium Silver PS

#### Custom Color option available

RAL\_\_\_\_\_ (LFP not available with PC or DPC.)  
\*(1500DN only. DNT or DNS only, PC or DPC only.)  
†(DZTW with PC or DPC only.)  
‡(1700DN max., L11, LFP & LVN only)  
§(2300DN not available with DSS.)  
¶(Specify your RAL color value. Extended lead time consult factory)  
‡(PC or DPC only)

FLCY3N

RD

7H

1C

SM

fixture:

project:

### SPECIFICATIONS

#### LED System

Proprietary LED module with single light emitting source. May be specified in 2700K, 3000K, 3500K or 4000K in CRI>80 or CRI>90. 3500K and 4000K with CRI>90 have a cyanosis observation index (COI) of 3.3 or less. Color accuracy within 2 SDCM. Aluminum heat sink provides appropriate thermal management.

#### Construction

Housing is extruded aluminum. Internal reflector (DNS) is spun aluminum. DSS reflector is die-cast aluminum. Fixture will not exceed 7 lb.

#### Optics

Optic	Cut-off degree	Distribution Beam Spread   Spacing Criteria					
		NFL	FL1	FL2	WFL	VWFL	SWFL
DNS	 60°	25°   0.42	37°   0.63	45°   0.75	56°   0.92	—	—
DSS	 75°	26°   0.44	37°   0.60	45°   0.72	56°   0.84	74°   1.07	91°   1.24

#### Electrical

Choice of constant current dimming drivers. Power factor > .9 typical. PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires. L11 & LFP with Mini Power Canopy (MPC) not Right Light as standard, consult factory.

#### Emergency

Emergency output —7W for 90 minutes. Maximum mounting height: 171ft for CD/ WH reflectors, and 151ft for WD/ BK reflectors. J-box cannot be recessed above the ceiling with Emergency Battery.

#### Labels

UL and cUL listed. Suitable for Dry or Damp Locations, indoor use only.

#### Finish

Polyester powder coat applied over a multi-stage pre-treatment.

#### Lumen Maintenance

Calculated: L70 at 60,000hours      Reported: L70 at 60,000 hours  
(Derived from EPA TM-21 calculator per X,000 hours of LED test data)

#### Reliability

At Focal Point, our products are designed to stand the test of time. Each luminaire is engineered using superior components, manufactured with the utmost care and rigorously tested. Contact us for reliability data.

#### Warranty

LED system rated for operation in ambient environments up to 25°C. 5 year limited warranty.

### 4" ORDERING

#### Luminaire Series

ID+ 3.5" Pure Cylinder      FLCY3N

#### Trim Type

Round      RD

#### Housing Height

4"      4H

(Up to 24" in 1/2" increment with conditions. Consult factory for details.)

#### Direct Lumen Output

700 Lumens\*      700DN

900 Lumens\*      900DN

1100 Lumens      1100DN

1300 Lumens      1300DN

1500 Lumens      1500DN

1700 Lumens      1700DN

1900 Lumens      1900DN

2100 Lumens (PC or DPC only)      2100DN

2300 Lumens (PC or DPC only, DSS not available)      2300DN

#### Color Temperature

(Add 9 for 90 CRI or H for 97 CRI. Leave blank for 80 CRI.)

2700K, 80/90/97+ CRI      \_27K

3000K, 80/90/97+ CRI      \_30K

3500K, 80/90/97+ CRI      \_35K

4000K, 80/90/97+ CRI      \_40K

Warm Dim      2700-1800K, 90+ CR\*\*      92718W

Dim      3000-1800K, 90+ CR\*\*      93018W

Tunable      1800-4000K, 90+ CRI (900DN max)†      91840T

White      2700-5000K, 90+ CRI (1300DN max)†      92750T

2700-6500K, 90+ CRI (1300DN max)†      92765T

#### Circuits

Single Circuit      1C

#### Voltage

UNV 120/277 Volt      UNV

120 Volt      120

277 Volt      277

#### Canopy Configuration

Power Canopy, driver inside canopy<sup>1</sup>      PC

Power Canopy with decorative J-box cover,<sup>1</sup> driver inside canopy      DPC

Mini Power Canopy, driver inside canopy<sup>1</sup>      MPC

(1900DN max. L11 & LFP only. Not available with Warm Dim & Tunable White)

#### Canopy Color<sup>2</sup>

Matte Black      BK

Matte White      WH

Pladium Silver      PS

#### Control System & Dimming Level

0-10V - 0% Dimming<sup>3</sup>      LZ1

0-10V - 1% Dimming      L11

0-10V - 10% Dimming<sup>3</sup>      LD1

Phase Dimming      LFP

(120V only. 700L & 900L not available with PC or DPC)

Lutron Hi-Lume EcoSystem (LDE1) -<sub>3</sub>      LH1

1% Dimming (700DN & 900DN not available.)      DZ1

DALI - 0% Dimming<sup>3</sup>      DZ1

DALI - <1% Dimming (Tunable White)<sup>3</sup>      DZTW

DALI - 1% Dimming<sup>3</sup>      D11

#### Mounting

Surface Mount      SM

#### Direct Optic

60° cut-off cone      DNS

75° cut-off cone with Solite Lens      DSS

#### Direct Distribution

Narrow Flood      NFL

Flood 1      FL1

Flood 2      FL2

Wide Flood      WFL

Very Wide Flood (DSS only)      VWFL

Super Wide Flood (DSS only)      SWFL

#### Factory Options

Emergency Battery Remote      EMR

(J-box cannot be recessed above the ceiling. Remote test switch. Not available with Warm dim & Tunable white.)

#### Reflector Color

Clear Diffuse      CD

Warm Diffuse      WD

White      WH

Black      BK

#### Luminaire Finish<sup>2</sup>

Black      BK

White      WH

Pladium Silver      PS

#### Custom Color option available

RAL\_\_\_\_\_

\* (LFP not available with PC or DPC.)

\*\* (1500DN only, DNS only, PC or DPC only.)

† (DZTW with PC or DPC only.)

‡ (2300DN not available with DSS)

§ (Specify your RAL color value. Extended lead time consult factory)

¶ (PC or DPC only)

## PERFORMANCE CHARTS

STANDARD WHITE				
CCT	Lumen Output	Delivered Lumens	Tested System Watts	LPW
3500K, 80 CRI	700DN	663	8	79
	900DN	852	10	90
	1100DN	1041	12	88
	1300DN	1231	15	81
	1500DN	1420	17	82
	1700DN	1609	20	82
	1900DN	1799	22	82
	2100DN	1988	24	82
	2300DN	2177	27	82

Based on Short Cone (DNS), 3500K, 80CRI, Wide Flood, Clear Diffuse. See page 5 for lumen performance multipliers. Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

WD WARM DIM				
CCT	Lumen Output	Delivered Lumens	System Watts	LPW
93018K	1500DN	1442	25	57
92718K	1500DN	1423	25	56

TW TUNABLE WHITE				
CCT	Lumen Output	Delivered Lumens	System Watts	LPW
2700K (2700-5000K & 2700-6500K)	700DN	643	13	48
	900DN	837	17	50
	1100DN	1031	21	50
	1300DN	1212	24	50
1800K (1800-4000K)	700DN	650	20	33
	900DN	833	25	34

## LUMEN MULTIPLIER TABLE

### Optic & Distribution

Trim Type	Optic	Distribution	Multiplier
Round [RD]	Tall Cone with 50° cut-off [DNT]	Narrow Flood [NFL]	1.12
		Flood 1 [FL1]	0.92
		Flood 2 [FL2]	1.06
		Wide Flood [WFL]	0.92
	Short Cone with 60° cut-off [DNS]	Narrow Flood [NFL]	0.99
		Flood 1 [FL1]	0.96
		Flood 1 [FL1]	0.92
		Wide Flood [WFL]	0.95
	Super Short Cone with Solite Lens with 75° cut-off [DSS]	Narrow Flood [NFL]	0.95
		Flood 1 [FL1]	0.89
		Flood 2 [FL2]	0.94
		Wide Flood [WFL]	0.93
		Very Wide Flood [VWFL]	1.00
		Super Wide Flood [SWFL]	0.95

### Reflector Color

Trim Type	Optic	Distribution	Multiplier
Round [RD]	Tall Cone with 50° cut-off [DNT]	Clear Diffuse [CD]	1.00
		Warm Diffuse [WD]	0.92
		White [WH]	1.09
		Black [BK]	0.46
	Short Cone with 60° cut-off [DNS]	Clear Diffuse [CD]	1.00
		Warm Diffuse [WD]	0.96
		White [WH]	1.12
		Black [BK]	0.62
	Super Short Cone with Solite Lens with 75° cut-off [DSS]	Clear Diffuse [CD]	1.00
		Warm Diffuse [WD]	0.97
		White [WH]	1.16
		Black [BK]	0.86

### Color Lumen Multipliers

CRI	STANDARD WHITE CCT				WARM DIM CCT RANGES		TUNABLE WHITE CCT RANGES		
	2700	3000	3500	4000	2700-1800K	3000-1800K	1800-4000K	2700-5000K	2700-6500K
80+	0.92	0.98	1.00	1.01	—	—	—	—	—
90+	0.76	0.79	0.82	0.84	0.95	0.96	1.00	1.00	1.00
97+	0.67	0.72	0.76	0.76	—	—	—	—	—

### How To Use Lumen Multipliers

**Formula:** (Lumen Output Value) x (Color Temperature & CRI) x (Optic & Distribution)

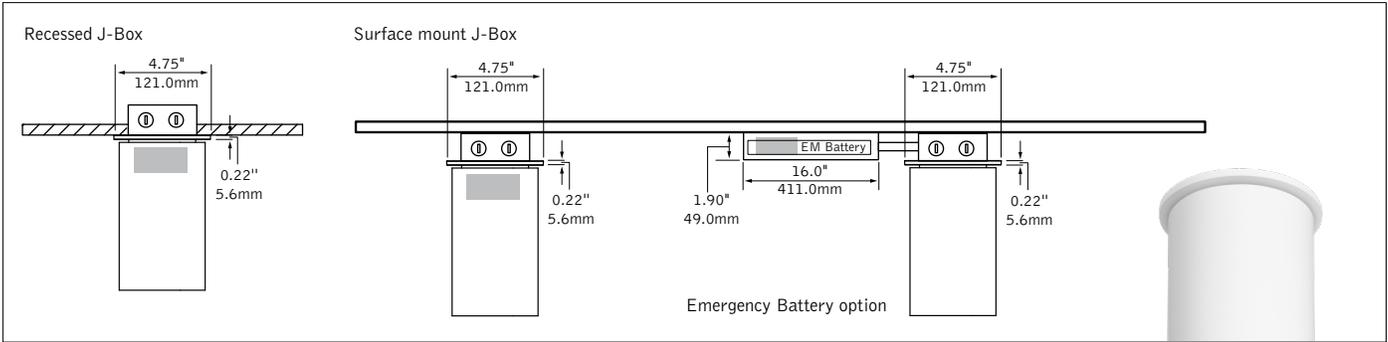
**Example:** FLCY3N-RD-1000DN-35K-DNT-FL1-CD

(1000) x (1.00) x (0.92) ≈ 920 lm (estimated delivered lumens)

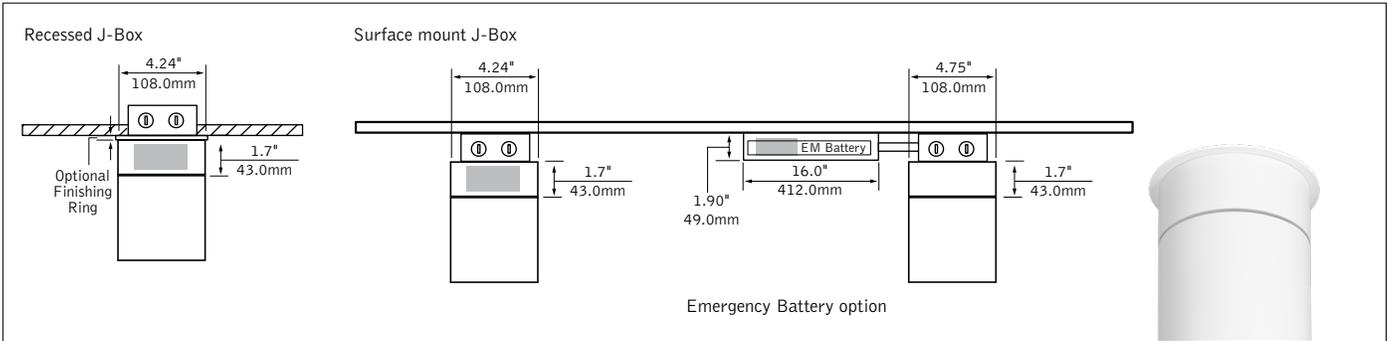
**DIMENSIONAL DATA CONTINUED**

SC - Shallow Canopy, Integral Driver

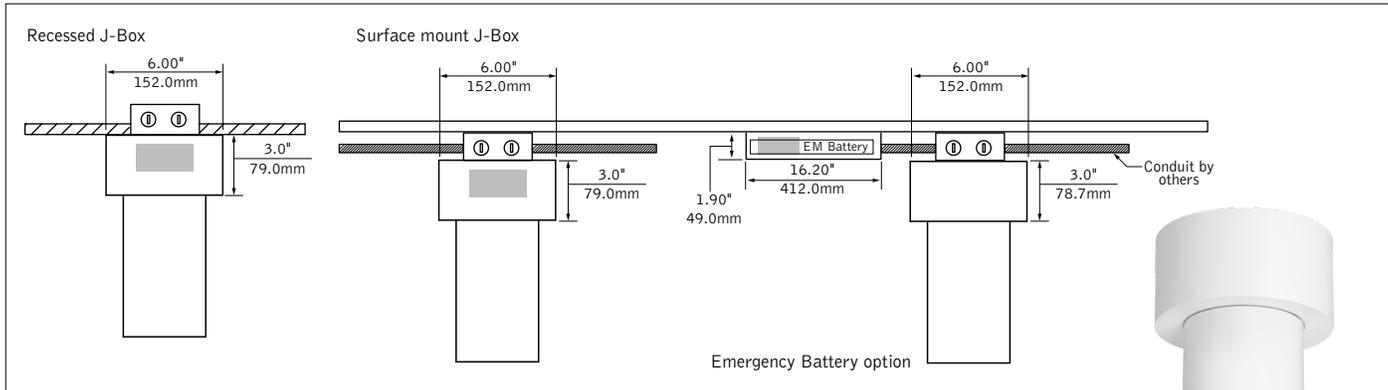
 Indicates Driver Location



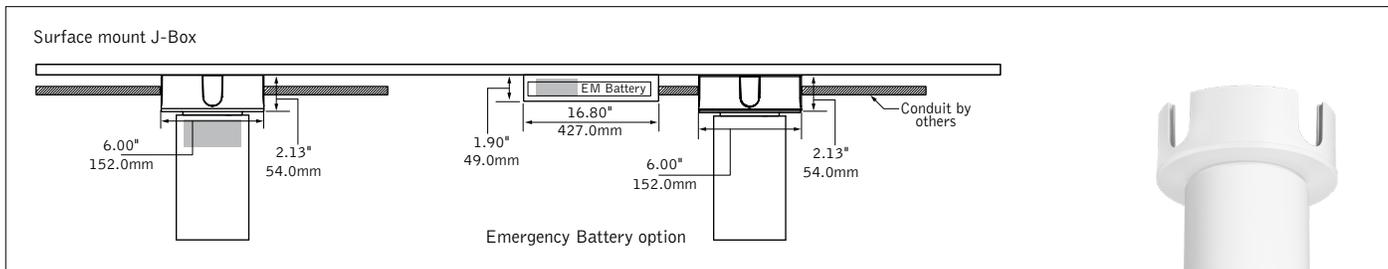
MPC - Mini Power Canopy



PC - Power Canopy



DSC - Shallow Canopy with decorative J-box cover, Integral Driver



DPC - Power Canopy with decorative J-box cover

