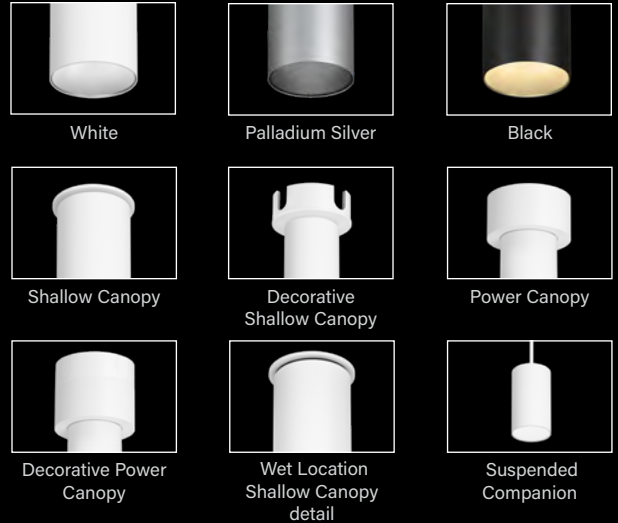


# ID+ 3.5" Pure Cylinder

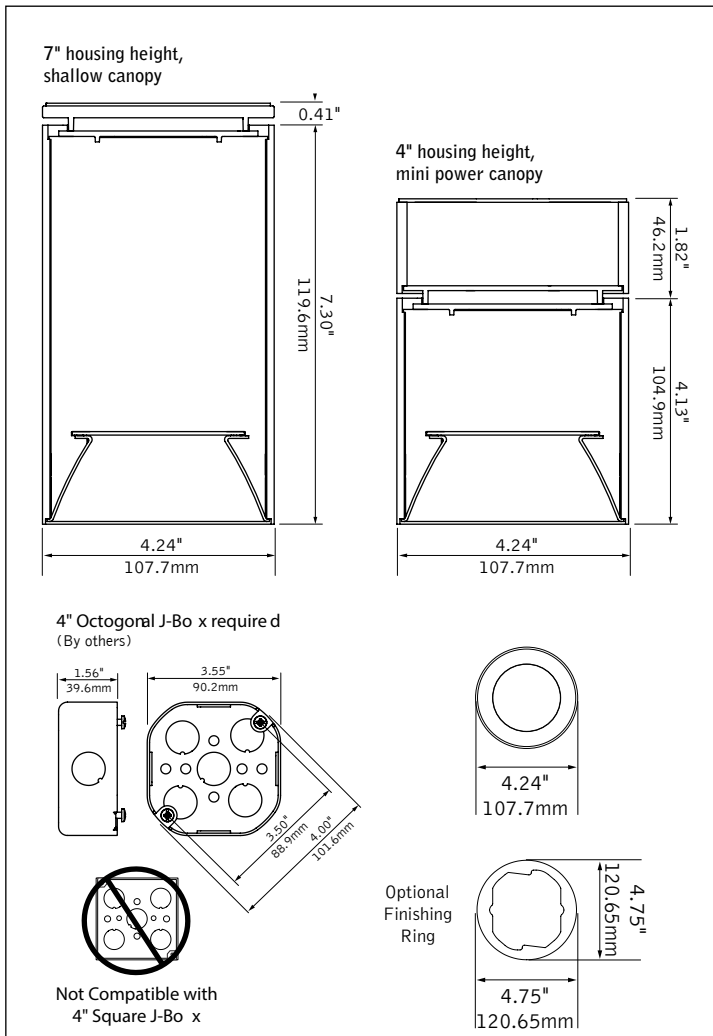
LED SURFACE MOUNT



The Naturals collection - Chestnut shown



## 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.

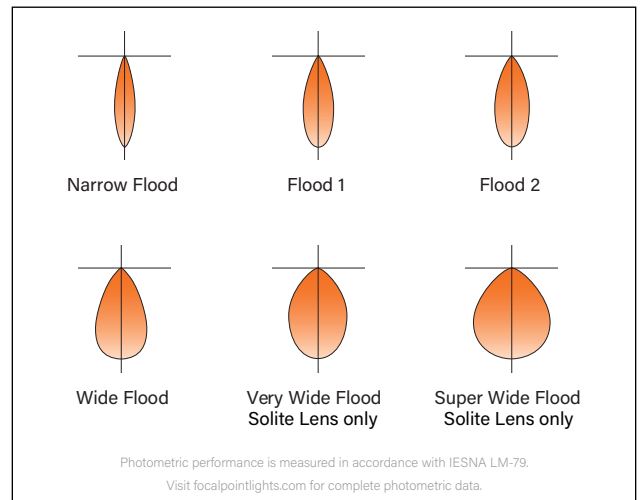
Multiple canopy options enable various driver offerings and conduit installations while maintaining premier aesthetics.

Available with The Naturals, a series of finishes that exude biophilic beauty.

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



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. Gasket supports Wet Location rating. 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. Shallow Canopy with integral driver.

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 as standard. Specify Wet Location with Shallow Canopy (SC), Power Canopy (PC) or Mini Power Canopy (MPC) for indoor or outdoor covered ceiling applications.

Finish

Polyester powder coat applied over a multi-stage pre-treatment. The Naturals: 100% low VOC vinyl.

Lumen Maintenance

Calculated: L70 at 200,000 hours

Reported: L70 at >55,000 hours

(Derived from EPA TM-21 calculator per 10,000 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

5 year limited warranty. Refer to the following table for temperature ranges.

Ambient Temperature	Maximum Available Lumen Level	Application
-30°C to 45°C	700DN	Indoor & Outdoor Covered Ceilings
-30°C to 40°C	900DN	Indoor & Outdoor Covered Ceilings
-30°C to 35°C	1100DN	Indoor & Outdoor Covered Ceilings
-30°C to 35°C	1300DN	Indoor & Outdoor Covered Ceilings
-30°C to 30°C	1500DN	Indoor & Outdoor Covered Ceilings
-30°C to 25°C	1700DN	Indoor only
-30°C to 25°C	1900DN (PC, MPC, or DPC only)	Indoor only
-30°C to 25°C	2100DN (PC or DPC only)	Indoor only
-30°C to 25°C	2300DN (PC or DPC only)	Indoor only



Options in orange qualify for the Quickship program. 10-day up to 100 pieces. Refer to Quickship Guide for complete details.

7" ORDERING		FLCY3N
Luminaire Series		
ID+ 3.5" Pure Cylinder		
Trim Type		RD
Round		
Housing Height		7H
7"		
Direct Lumen Output		
(Refer to temperature ranges under Warranty).		
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
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+ CRI**	92718W
	3000-1800K, 90+ CRI**	93018W
Tunable White	1800-4000K, 90+ CRI (900DN max)†	91840T
	2700-5000K, 90+ CRI (1300DN max)†	92750T
	2700-6500K, 90+ CRI (1300DN max)†	92765T
Circuits		1C
Single Circuit		
Voltage		
UNV 120/277 Volt		UNV
120 Volt		120
277 Volt		277
Low Voltage (LVN control system only)		LV
Canopy Configuration		
Shallow Canopy, Integral Driver¹		SC
Shallow Canopy with decorative J-box cover,¹		DSC
Integral Driver		
Power Canopy, driver inside canopy²		PC
Power Canopy with decorative J-box cover,²		DPC
driver inside canopy		
Mini Power Canopy, drive inside canopy		MPC
(1900DN max. L11 & LFP only. Not available with Warm Dim & Tunable White)		
Canopy Color³		
(See finishes page for The Naturals options available with SC, PC and MPC canopies only)		
Matte Black		BK
Matte White		WH
Paladium Silver		PS
Control System & Dimming Level		
0-10V - 0% Dimming⁴		LZ1
0-10V - 1% Dimming		L11
0-10V - 10% Dimming⁴		LD1
Low Voltage, PoE compatible LVN		LVN
(SC, DSC only, LV Voltage only, EMR, Warm Dim & Tunable White not available.)		
Phase Dimming		LFP
(120V only. 700DN & 900DN not available with PC or DPC)		
Lutron Hi-Lume EcoSystem (LDE1) -⁴		LH1
1% Dimming (700DN, 900DN not available)		
DALI - 0% Dimming⁴		DZ1
DALI - <1% Dimming (Tunable White)⁴		DZTW
DALI - 1% Dimming⁴		D11
Mounting		SM
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
Factory Options		
Wet Location		WL
(Refer to temperature ranges under Warranty). (Not available with DSC or DPC)		
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 Finish³		
(See finishes page for The Naturals options)		
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)

⁴ (2300DN not available with DSS.)

⁵ (Specify your RAL color value. Extended lead time consult factory.)

⁶ (PC or DPC only)

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. Gasket supports Wet Location rating. 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. Shallow Canopy with integral driver.

Emergency

Emergency output —7W for 90 minutes. Maximum mounting height: 171ft 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 as standard. Specify Wet Location with Power Canopy (PC) or Mini Power Canopy (MPC) for indoor or outdoor covered ceiling applications.

Finish

Polyester powder coat applied over a multi-stage pre-treatment. The Naturals: 100% low VOC vinyl.

Lumen Maintenance

Calculated: L70 at 200,000 hours                      Reported: L70 at >55,000 hours  
(Derived from EPA TM-21 calculator per 10,000 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

5 year limited warranty. Refer to the following table for temperature ranges.

Ambient Temperature	Maximum Available Lumen Level	Application
-30°C to 45°C	700DN	Indoor & Outdoor Covered Ceilings
-30°C to 40°C	900DN	Indoor & Outdoor Covered Ceilings
-30°C to 35°C	1100DN	Indoor & Outdoor Covered Ceilings
-30°C to 35°C	1300DN	Indoor & Outdoor Covered Ceilings
-30°C to 30°C	1500DN	Indoor & Outdoor Covered Ceilings
-30°C to 25°C	1700DN	Indoor only
-30°C to 25°C	1900DN	Indoor only
-30°C to 25°C	2100DN (PC or DPC only)	Indoor only
-30°C to 25°C	2300DN (PC or DPC only)	Indoor only

4" ORDERING			FLCY3N
Luminaire Series			FLCY3N
ID+ 3.5" Pure Cylinder			
Trim Type			RD
Round			
Housing Height			4H
4"			
Direct Lumen Output			
(Refer to temperature ranges under Warranty).			
	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
	3000-1800K, 90+ CRI**		93018W
Tunable White	1800-4000K, 90+ CRI (900DN max) <sup>†</sup>		91840T
	2700-5000K, 90+ CRI (1300DN max) <sup>†</sup>		92750T
	2700-6500K, 90+ CRI (1300DN max) <sup>†</sup>		92765T
Circuits			1C
Single Circuit			
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 (1900DN max. L11 & LFP only. Not available with Warm Dim & Tunable White)			MPC
Canopy Color <sup>2</sup>			
(See finishes page for The Naturals options available with PC and MPC canopies only)			
	Matte Black		BK
	Matte White		WH
	Paladium 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) - <sup>3</sup>		LH1
	1% Dimming (700DN & 900DN not available.)		
	DALI - 0% Dimming <sup>3</sup>		DZ1
	DALI - <1% Dimming (Tunable White) <sup>3</sup>		DZTW
	DALI - 1% Dimming <sup>3</sup>		D11
Mounting			SM
Surface Mount			
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			
Wet Location			WL
(Refer to temperature ranges under Warranty). (Not available with DPC)			
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>			
(See finishes page for The Naturals options)			
	Black		BK
	White		WH
	Paladium Silver		PS
Custom Color option available			RAL_____
<sup>†</sup> (LFP not available with PC or DPC.)			
<sup>**</sup> (1500DN only. DNS only. PC or DPC only.)			
<sup>†</sup> (DZTW with PC or DPC only.)			
<sup>†</sup> (2300DN not available with DSS)			
<sup>‡</sup> (Specify your RAL color value. Extended lead time consult factory)			
<sup>‡</sup> (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)

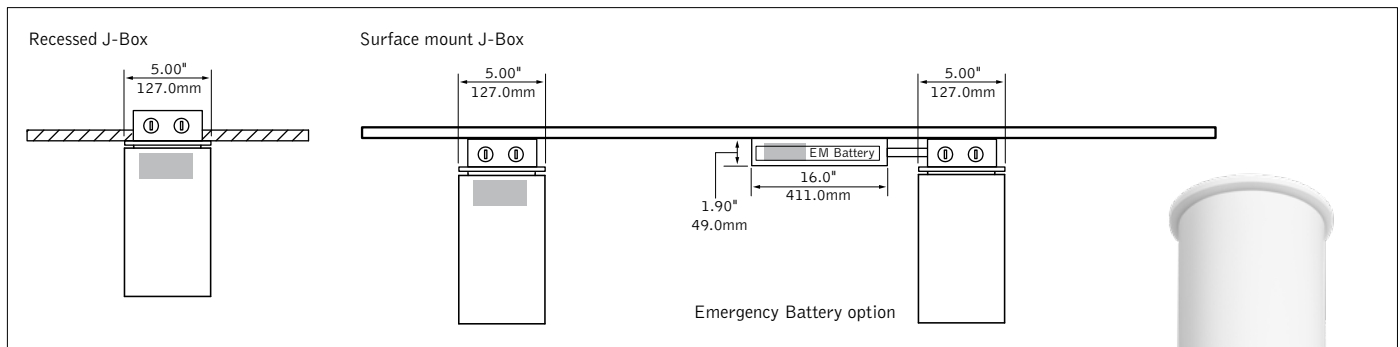
Example: FLCY3N-RD-1000DN-35K-DNT-FL1-CD

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

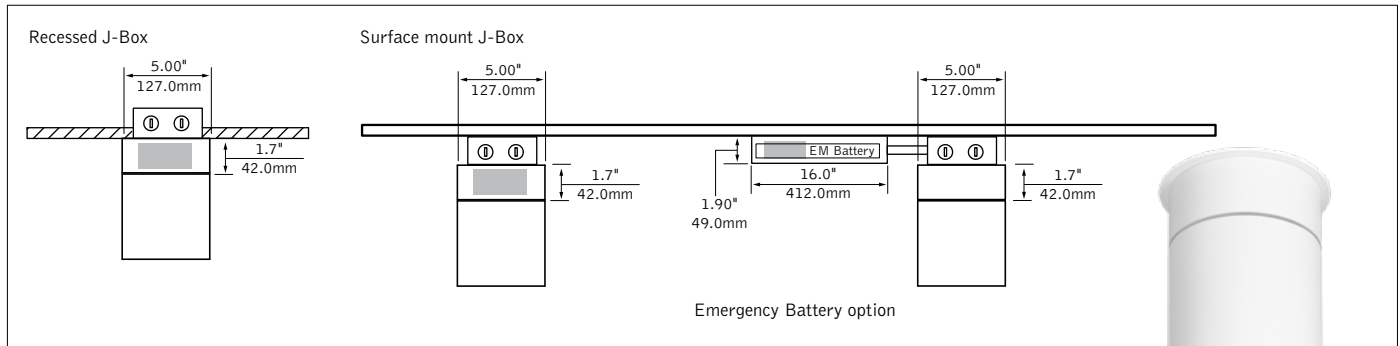
DIMENSIONAL DATA CONTINUED

SC - Shallow Canopy, Integral Driver

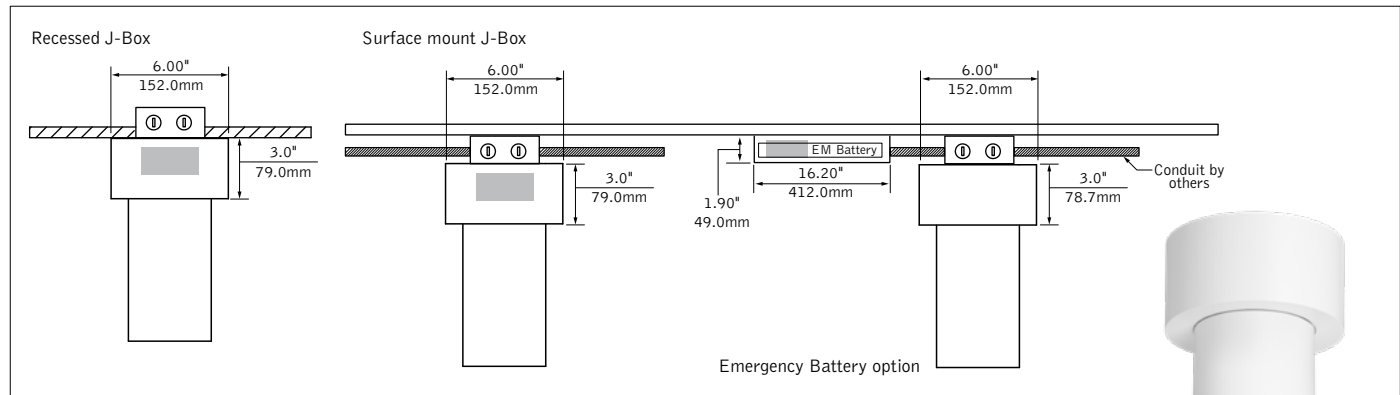
Indicates Driver Location



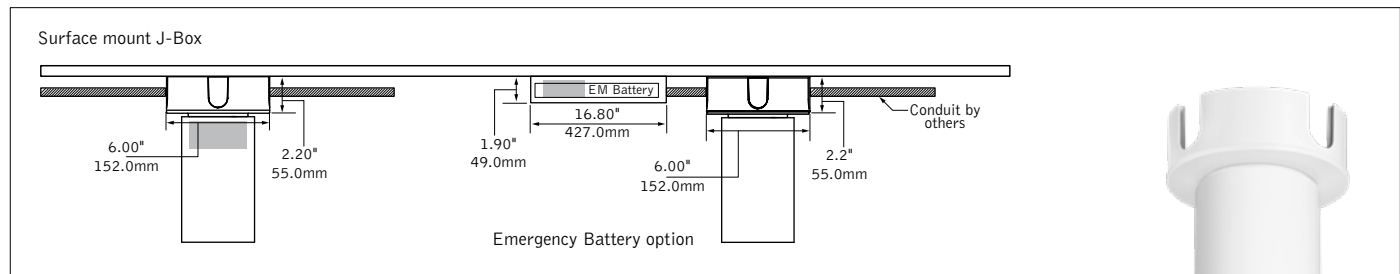
MPC - Mini Power Canopy



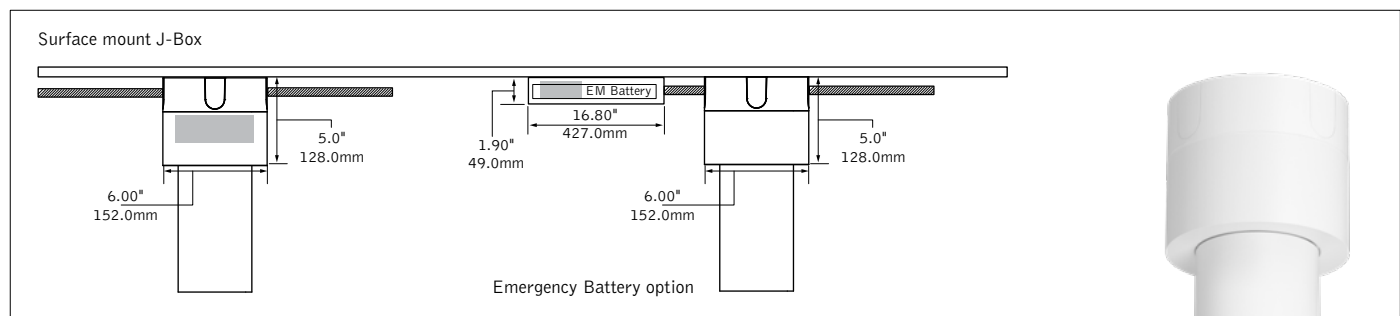
PC - Power Canopy



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








DPC - Power Canopy with decorative J-box cover



# Finishes



## STANDARD FINISHES

				
WHITE WH	BLACK BK	PALLADIUM SILVER PS	CLEAR DIFFUSE CD	WARM DIFFUSE WD

## THE NATURALS (25% SCALE)

				
LIGHT OAK LOK	GRAY ELM GRE	CHESTNUT CHT	WALNUT WLT	WOVEN LINEN WLN