



SFP-LED

Smart Panel LED Fixture

Client: _____
Project Name: _____

Order #: _____
Type: _____ Qty: _____

Performance Data

CRI
85

CCT
3000K, 3500K, 4000K, 5000K

Projected Lifetime
104,000 Hours (L70)

Dimming
0-10V dimming standard,
100% down to 10%

Operating Temperature
-20°C to +40°C Ambient

UL Listed
Suitable for dry and damp
locations



CCEA Chicago Plenum Compliant	RoHS Listed	CE Listed	UL Listed	DLC Listed	10 Yr Warranty Including Labor	USA Buy American Act Compliant
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Description

SFP-LED is an LED troffer luminaire designed for installation in 1x4, 2x2 and 2x4 conventional suspended grid ceilings for new construction or retrofit projects. Featuring superior, evenly dispersed lighting that sets the standard in performance for solid state ceiling luminaires, the SFP can also significantly reduce the number of fixtures needed to light a given area. Custom fixture and power supply kit design allows for quick and easy installation, reducing costly labor time. The superior thermal design will extend both the life of the fixture and power supply. While still emitting 70% of the original light output after more than 100,000 hours, SFP-LED will last many years without the need for costly replacement or maintenance.

Features

- Recommended for offices, schools, hospitals, medical facilities and other commercial and institutional applications
- Finished Color: White and Silver
- Housing: Extruded aluminum frame
- Lens Type: Frosted polycarbonate diffuser
- Choose the perfect lumen output using Select-a-Watt Technology
- IP44 damp location rated
- Package includes seismic clip kit and install instructions
- Power Factor: > 0.95; Total Harmonic Distortion (THD): <10%
- UL and cUL Listed for Insulation Contact (IC)
- CE Listed, RoHS compliant, FCC Compliant (Title 47 CFR Part 15)
- CCEA (Chicago Plenum) compliant
- DLC Listed for utility rebates (See matrix below)



Ordering Information

A FIXTURE SERIES

SFP-LED Smart Flat Panel LED Fixture

B SIZE

14	1 x 4'
22	2 x 2'
24	2 x 4'

C WATTAGE/LUMENS (SIZE 14)

20	20W/2019 ^{1,2}
30	30W/2827 ^{1,2}
40	40W/4268 ^{1,2}

(SIZE 22)

20	20W/2061 ^{1,2}
30	30W/3056 ^{1,2}
40	40W/4661 ^{1,2}

(SIZE 24)

20	20W/2045 ¹
30	30W/2909 ^{1,2}
40	40W/4334 ^{1,2}

D CCT

30	3000K
35	3500K
40	4000K
50	5000K

E VOLTAGE

UNV	120-277V
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F OPTIONS

SMK	Surface Mount Kit
EM	Emergency Backup ⁴
C60	60" Adjustable Pendant Mount Cable ³

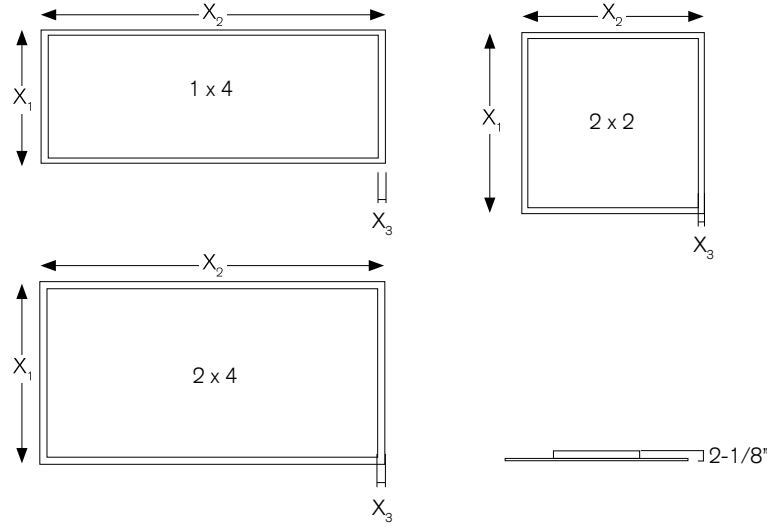
¹ Delivered Lumens (4000K) - Please see Page 2 for full lumen chart.

² DLC Listed Wattage, View Page 2 for DLC Matrix breakdown by color temp and wattage

³ Consult Factory for any length greater than 60"

⁴ View more information on EM pack on Pages 4-5

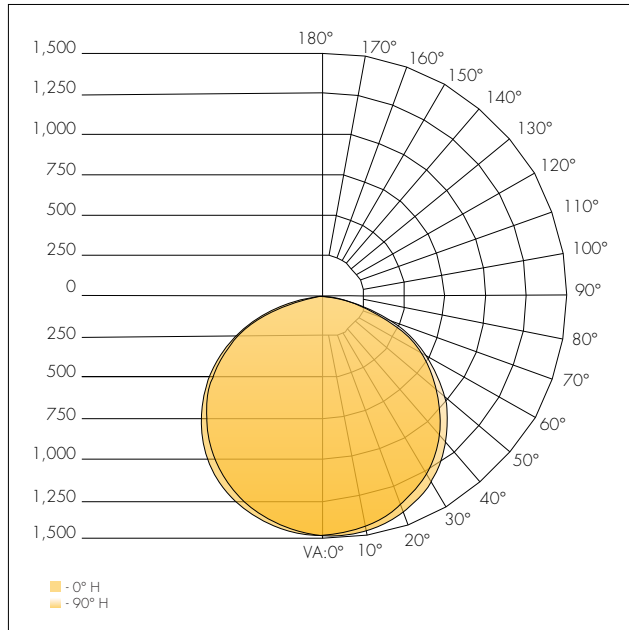
Dimensions



	Inches		
	Size: 1 x 4	Size: 2 x 2	Size: 2 x 4
X₁	11.875	23.75	23.75
X₂	47.75	23.75	47.75
X₃	0.875	0.875	0.875

Photometrics

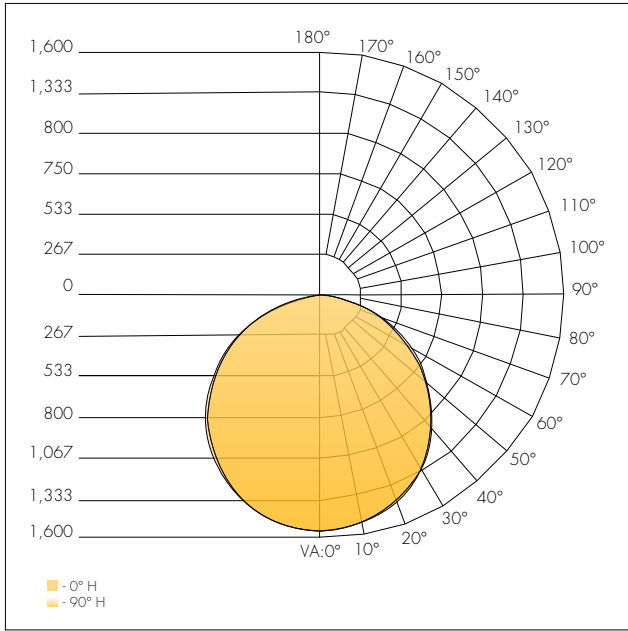
Model 1x4 40W 4000K



Zonal Lumen Summary

Zone	Lumens	%Luminaire
0-30	1,145.8	26.4%
0-40	1,880.8	43.3%
0-60	3,343.7	77%
60-90	954.8	22%
70-100	421.7	9.7%
90-120	8.1	0.2%
0-90	4,298.5	98.9%
90-180	46.6	1.1%
0-180	4,345.0	100%

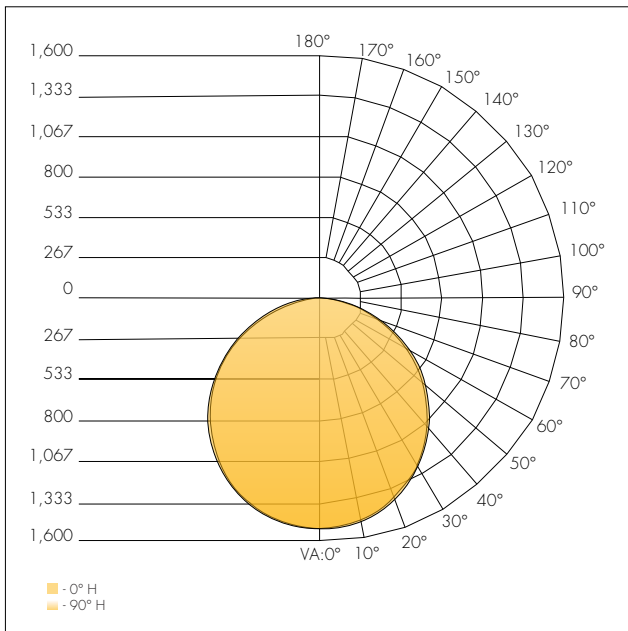
Model 2x2 40W 4000K



Zonal Lumen Summary

Zone	Lumens	%Luminaire
0-30	1,196.3	26.5%
0-40	1,963.1	43.4%
0-60	3,488.1	77.1%
60-90	985.0	21.8%
70-100	431.0	9.5%
90-120	8.2	0.2%
0-90	4,473.1	98.9%
90-180	49.5	1.1%
0-180	4,522.6	100%

Model 2x4 40W 4000K



Zonal Lumen Summary

Zone	Lumens	%Luminaire
0-30	1,169.3	27%
0-40	1,917.8	44.3%
0-60	3,401.4	78.5%
60-90	932.1	21.5%
70-100	395.4	9.1%
90-120	0.000	0%
0-90	4,333.4	100%
90-180	0.000	0%
0-180	4,333.4	100%

DLC Listed

	1 x 4			2 x 2			2 x 4		
	20W	30W	40W	20W	30W	40W	20W	30W	40W
3000K	X	X	X	X	X	X		X	X
3500K	X	X	X	X	X	X		X	X
4000K	X	X	X	X	X	X		X	X
5000K	X	X	X	X	X	X		X	X

Lumen Output

Lumen Chart

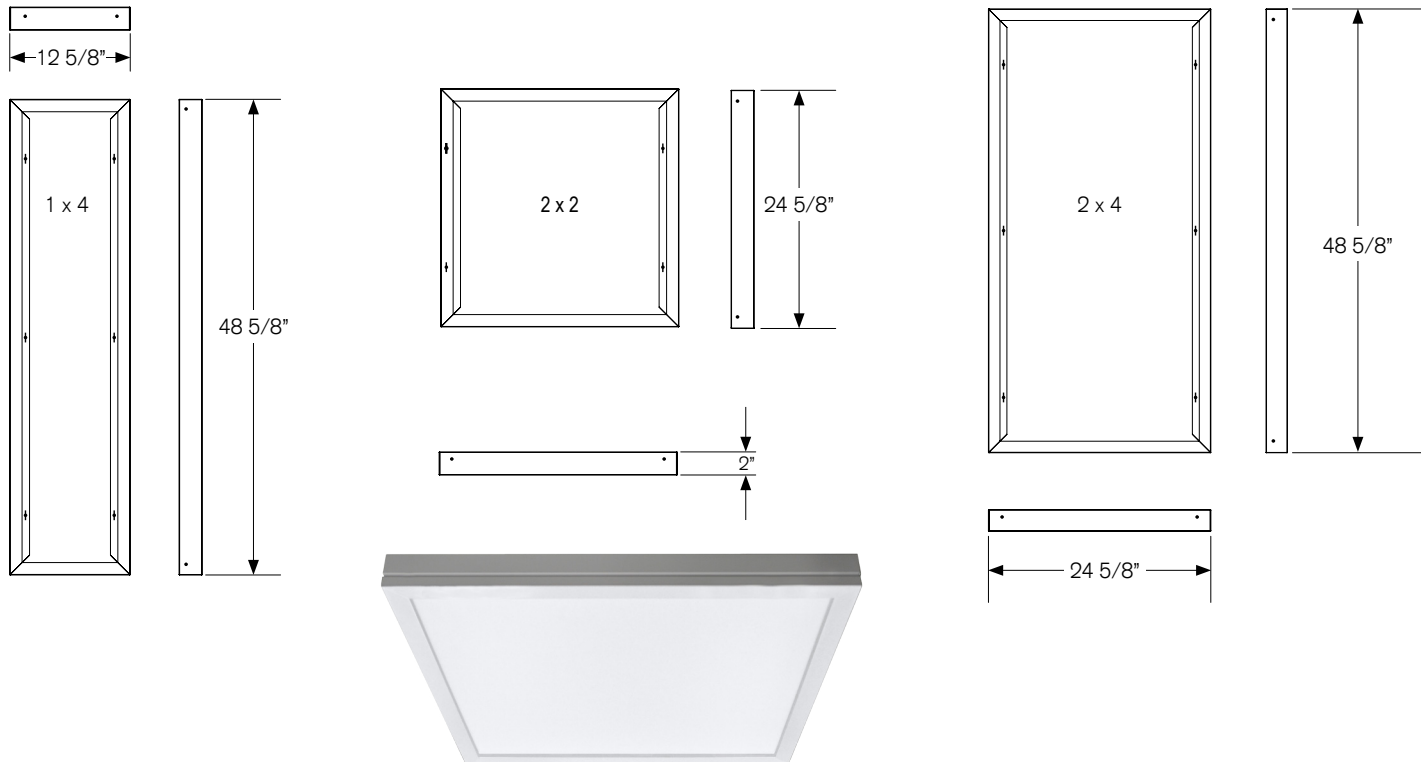
Size	Nominal Wattage	System Wattage	5000K	LPW	4000K	LPW	3500K	LPW	3000K	LPW
1 x 4	20	18	2110	115	2019	110	1973	108	1927	105
	30	26	2956	115	2827	110	2776	108	2699	105
	40	39	4462	115	4268	110	4190	108	4074	105
2 x 2	20	17	2154	123	2061	118	2014	115	1967	112
	30	26	3186	123	3056	118	2979	115	2901	112
	40	39	4859	123	4661	118	4543	115	4424	112
2 x 4	20	18	2137	115	2045	110	1998	108	1952	105
	30	27	3041	115	2909	110	2843	108	2777	105
	40	39	4531	115	4334	110	4225	108	4137	105

*Lumen outputs are based on 3000K performance data and then scaled to other color temperatures

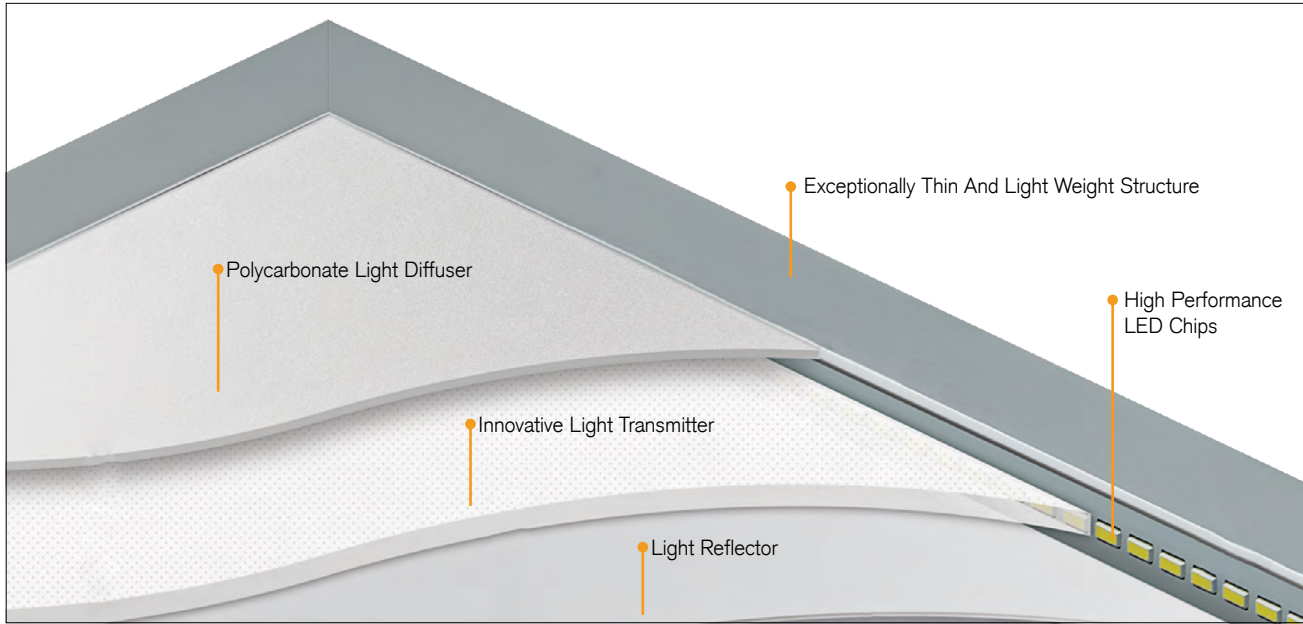
Projected LED Maintenance

Operating Hours	0	25,000	50,000	75,000	100,000
Lumen Maintenance Factor	25°C (77°F) Ambient Outdoor Temp				
	1	0.92	0.84	0.78	0.71
	45°C (113°F) Ambient Outdoor Temp				
	1	0.92	0.83	0.77	0.70

Surface Mount Kit (SMK) Dimensions



Panel Detail



EM Option

Philips Bodine BSL17C-C2

Specifications:

- ETL Listed
- For Field or Factory Installation (Indoor and Damp)

- UL Component Recognized
- For Factory Installation (Indoor and Damp)

- Illumination Time
- 90 Minutes

- Full Warranty
- 5 Years (NOT pro-rata)

- Universal Input Voltage
- 120-277 VAC, 60 Hz

- AC Input Current
- 45 mA

- AC Input Power Rating
- 2.75 W

- Output Voltage
- 15.0 - 50.0 VDC

- Output Power
- 7.0 W (Maximum),

- Test Switch/Charging Indicator Light
- 2 W - ITS (2-Wire illuminated test switch)

- Battery
- High-Temperature, Maintenance-Free
 - Nickel-Cadmium Battery
 - 7- to 10-Year Life Expectancy

- Battery Charging Current
- 180 mA

- Recharge Time
- 24 Hours

- Temperature Rating (Ambient)
- Ambient : 0°C to +50°C (32°F to 122°F)
 - Case: Tc (max): 65°C

- Dimensions
- 12.0" x 2.4" x 1.5" (304 mm x 60 mm x 38 mm)
 - Mounting Center 11.5" (292 mm)

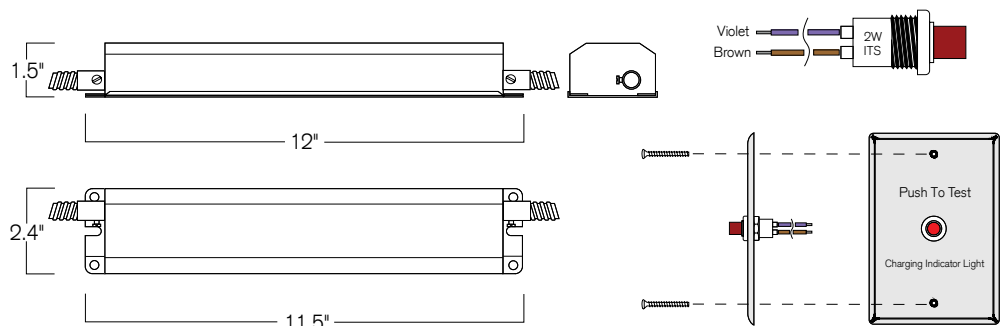
- Weight
- 4.3 lbs. (1.95 kg)

Benefits

- Listed for field installation - UL 924 and CSA C22.2 No. 141
- Emergency Lighting Compliant
- Class 2 output - UL 1310 Certified, CSA 22.2 No 223-M91 compliant
- Controlled power for predictable discharge
- 15 - 50 VDC for wide range of LED loads
- Universal input (120 through 277 VAC, 50/60 Hz)
- RoHS Compliant

Dimensions

12.0" x 2.4" x 1.5" (mounting center - 11.5")



A Test/Monitor Plate with an illuminated test switch/charging indicator light is provided.

Operation

When AC power fails, the BSL17xxxx immediately switches to the emergency mode, operating the LEDs at a reduced lumen output for a minimum of 90 minutes. When AC power is restored, the emergency driver automatically returns to the charging mode.

Installation

The BSL17xxxx does not affect normal fixture operation and may be used with either a switched or unswitched fixture. If a switched ? fixture is used, an unstitched hot lead must be connected to the emergency driver. The emergency driver must be fed from the same branch circuit as the AC driver. This series may be installed inside (BSL17-C2 only) or on top of (both models) the fixture. Installation is not recommended with ? fixture where the ambient temperature may fall below 0° C.

Emergency Illumination

The BSL17xxxx operates an LED load of up to 7.0 Watts.

EM Lumen Chart

Size	Nominal Wattage	EM Pack Wattage	EM Pack Lumens
1 x 4	20	7	740
	30	7	740
	40	7	740
2 x 2	20	7	740
	30	7	740
	40	7	740
2 x 4	20	7	740
	30	7	740
	40	7	740