

LEDVANCE Luminaires

BACKLIT DUAL SELECTABLE AND LOW WATTAGE PANEL

PERFORMANCE CLASS

Application

The LEDVANCE Backlit Panels are the high efficiency solution for offices, schools, hospitality and retail areas.

Benefits and Features

- Backlit technology that offers even lighting distribution without shadowing
- Color selectability allows for changing between 3500K, 4000K or 5000K
- Wattage/Lumen selectable versions: three different lumen outputs in the same product
- Low wattage versions for energy efficiency projects
- DLC Premium Listed to maximize rebate opportunities
- EM ready – compatible with the SYLVANIA field installable emergency battery back-up unit (see Accessories for further details)
- Up to 125 lumens per watt
- PMMA lenses that do not yellow over time
- CRI >80
- Energy savings up to 68%

Electrical

- 120-277VAC and 120-347VAC
- Power Factor >0.9
- THD <20%
- 0-10V dimmable

Rated Life

- 50,000 hours (L₇₀)

Warranty

- 5-year
- NLB Trusted Warranty Program

Operating Temperature

- -4°F to +122°F (-20°C to +50°C)

Certifications and Listings

- cETLus
- RoHS
- FCC
- TAA
- IC Rated
- DLC Premium
- Damp Rated



Wattage Comparison

Panel Size	Traditional Source	Traditional System Wattage	LED System Wattage	Energy Savings
1x4	2x28W T8	49	30	39%
	2x32W T8	56	30	46%
2x2	3x17W T8	48	30	38%
	2xU31W T8	56	30	46%
2x4	2xU31W T8	56	18	68%
	2x28W T8	49	30	39%
	2x32W T8	56	30	46%
	2x32W T8	56	40	29%
	4x28W T8	97	40	59%
	3x32W T8	75	24	68%
	4x32W T8	116	40	66%



Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	

Ordering Guide

PANELF	XB	SXXX	XXX	D	8	SC7	XX	G	WH	/ TAA
Product Name	Generation	S = Selectable Wattage	Voltage	Dimming	CRI	Color Temp	Dimensions	Mounting	Color / Finish	Other
PANELF =	3B, 4B	036 = 20/30/36 Watts	UNV =	D = 0-10V	8 = >80	SC7 = Selectable	14 = 1x4	G = Grid	WH = White	TAA = TAA
LED Panel		050 = 30/40/50 Watts	120-277V	dimming		3500K, 4000K and 5000K	22 = 2x2			Compliant
		018 = 18 Watts	UNH =				24 = 2x4			
		024 = 24 Watts	120-347V							

Ordering Information

Item Number	Ordering Abbreviation	Power (W)	Total Fixture Lumens	Input Voltage (V)	Dimming	CRI	Color Temp	Efficiency (LPW)	Size	DLC
62700	PANELF3B018UNVD8SC714GWH/TAA	18	2400	120-277V	0-10V	80	3500/4000/5000K	125	1x4	Premium
62702	PANELF3B018UNVD8SC722GWH/TAA	18	2400	120-277V	0-10V	80	3500/4000/5000K	125	2x2	Premium
62701	PANELF3B024UNVD8SC724GWH/TAA	24	3200	120-277V	0-10V	80	3500/4000/5000K	125	2x4	Premium
62703	PANELF4BS036UNHD8SC714GWH/TAA	20/30/36	2500/3750/4500	120-347V	0-10V	80	3500/4000/5000K	125	1x4	Premium
62704	PANELF4BS036UNHD8SC722GWH/TAA	20/30/36	2500/3750/4500	120-347V	0-10V	80	3500/4000/5000K	125	2x2	Premium
62705	PANELF4BS050UNHD8SC724GWH/TAA	30/40/50	3750/5000/6250	120-347V	0-10V	80	3500/4000/5000K	125	2x4	Premium

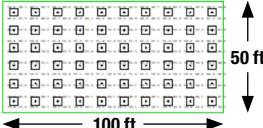
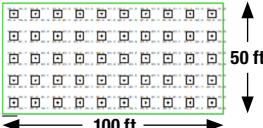
Dimmer Compatibility

Brand	Type	Model
Leviton	0-10V	DS710
Leviton	0-10V	IP710
Lutron	0-10V	NTSTV-DV
Lutron	0-10V	NFTV
Lutron	0-10V	DVTV-WH
Legrand	0-10V	H4FBL3PW

Photometric Data

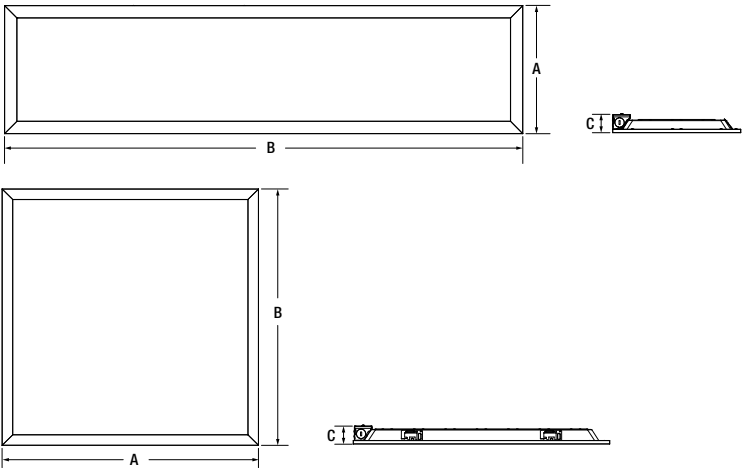
Average Illuminance (FC) at 30" AFF and avg/min uniformity 80/50/20 Reflectances

			8 ft Mounting Height			10 ft Mounting Height			12 ft Mounting Height		
			On Center Fixture Spacing								
			8'x10'	10'x10'	10'x12'	8'x10'	10'x10'	10'x12'	8'x10'	10'x10'	10'x12'
1'x4'	18W	PANELF3B018UNVD8SC714GWH	30fc/1.5	25fc/1.3	20fc/2.2	29fc/1.6	24fc/1.5	20fc/2.0	28fc/1.7	23fc/1.6	19fc/1.9
2'x2'	18W	PANELF3B018UNVD8SC722GWH	30fc/1.5	25fc/1.3	20fc/2.3	29fc/1.6	24fc/1.5	19fc/2.0	28fc/1.7	23fc/1.6	19fc/2.0
2'x4'	24W	PANELF3B024UNVD8SC724GWH	40fc/1.5	33fc/1.3	27fc/2.2	39fc/1.6	32fc/1.5	26fc/2.0	37fc/1.6	31fc/1.6	25fc/1.9
1'x4'	20/30/36W	PANELF4BS036UNHD8SC714GWH	57fc/1.4	47fc/1.2	38fc/2.5	54fc/1.5	45fc/1.3	36fc/1.2	53fc/1.7	43fc/1.6	35fc/1.9
2'x2'	20/30/36W	PANELF4BS036UNHD8SC722GWH	55fc/1.4	43fc/1.2	37fc/2.7	53fc/1.5	43fc/1.3	35fc/2.0	51fc/1.6	42fc/1.6	34fc/1.9
2'x4'	30/40/50W	PANELF4BS050UNHD8SC724GWH	76fc/1.5	63fc/1.3	51fc/2.3	73fc/1.6	61fc/1.4	50fc/2.0	71fc/1.6	58fc/1.6	48fc/1.9

	8 ft Mounting Height	Number of Fixtures
8 x 10 OC		60
10 x 10 OC		50
10 x 12 OC		40

Physical Information

Lamp Description	(A) Length in (mm)	(B) Width in (mm)	(C) Height in (mm)
1x4	12.0 (304)	47.8 (1214)	1.8 (45.4)
2x2	23.9 (604)	23.9 (604)	1.7 (44)
2x4	23.9 (604)	47.8 (1214)	1.7 (44)

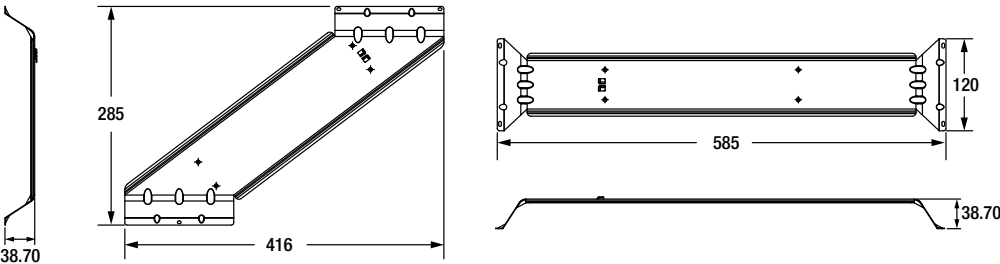


Accessories and Replacement Parts

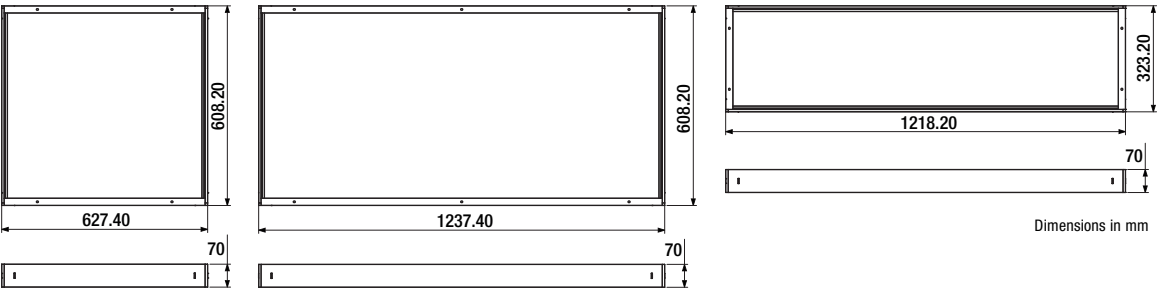
Item Number	Ordering Abbreviation	Item Description
60888	EMBB1A8WDC	Field installable emergency battery back-up unit
61682	ACCPANELF3AEMBB-BRIDGE2	Metal bridge for installing emergency battery back-up unit to 2x2 and 2x4 panels
61683	ACCPANELF3AEMBB-BRIDGE1	Metal bridge for installing emergency battery back-up unit to 1x4 panels
62064	SMKIT3A/22/WH	Surface Mount Kit for 2x2 Backlit Panel, extruded Aluminum, white finish
62065	SMKIT3A/24/WH	Surface Mount Kit for 2x4 Backlit Panel, extruded Aluminum, white finish
62066	SMKIT3A/14/WH	Surface Mount Kit for 1x4 Backlit Panel, extruded Aluminum, white finish
62067*	SPKIT3A	Suspension Kit for Backlit Panels
60457	FK1A14GWH	Flange Kit for 1x4 Panel
60458	FK1A22GWH	Flange Kit for 2x2 Panel
60459	FK1A24GWH	Flange Kit for 2x4 Panel

*Cable length is 3.28ft (1m)

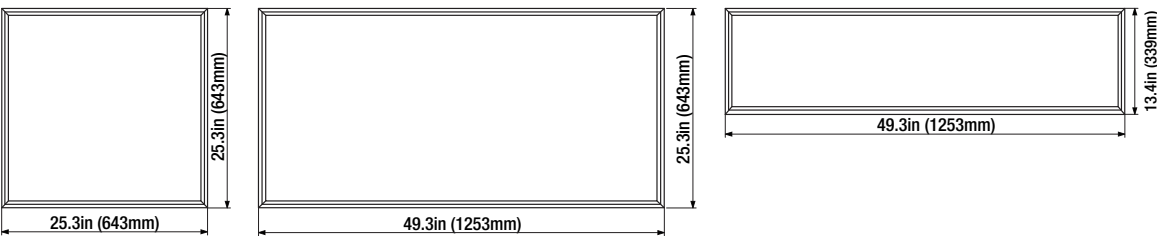
Metal Bridge



Surface Mount Kit



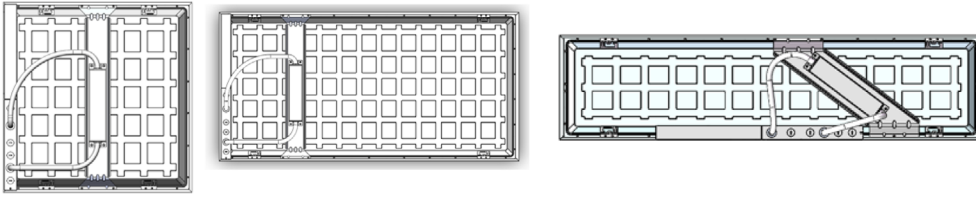
Flange Kit



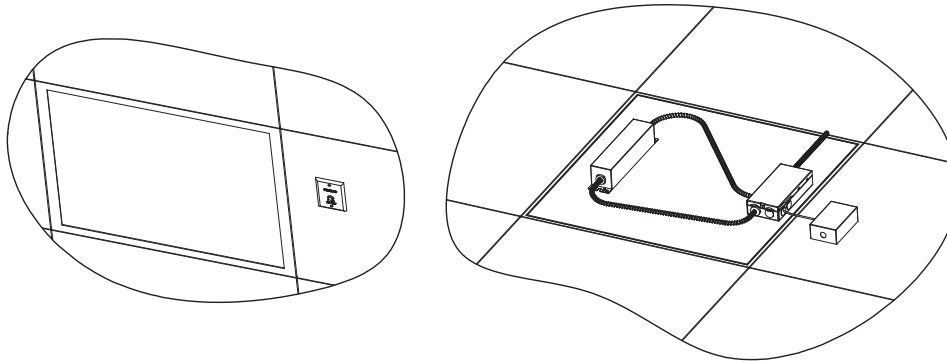
Options Information

Emergency Battery Backup

Emergency Battery Backup: Activates when normal power supply to the fixture fails, providing a minimum of 790 lumens (850 nominal lumens) for at least 90 minutes.



Location of Emergency Test Switch



Additional Specifications

- cETLus listed to UL1598 standards
- IC and damp rated

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