



BACKLIT LED PANEL LIGHT



2'x 4' LED panel light,
30, 40, and 50W, 120-277V input

PRODUCT FEATURES

- Wattage Selectable (50/40/30W)
- CCT Selectable (3500/4000/5000K)
- Features integrated SmartLoop Bluetooth™ mesh wireless sensor controller. The sensor controller may be used "out of the box" as a stand alone sensor (pre-commissioned, see page 2 for details); or may be commissioned using the SmartLoop app to add advanced functions such as zoning, high-end trim, configure occupancy/vacancy behavior, create scenes, and set schedules.
- New backlit style design; fits standard T-grid ceilings
- Construction features precise optical lenses over each individual LED offering optimal light diffusion and consistent surface illumination Suitable for damp locations
- Powered by 0-10V dimmable LED driver with built in junction box
- Compatible with LED emergency backup
- Over 70% energy savings compared to traditional fluorescent troffers
- Operating temp range -20°C/-4°F to 40°C/104°F



10 YEAR
LIMITED WARRANTY

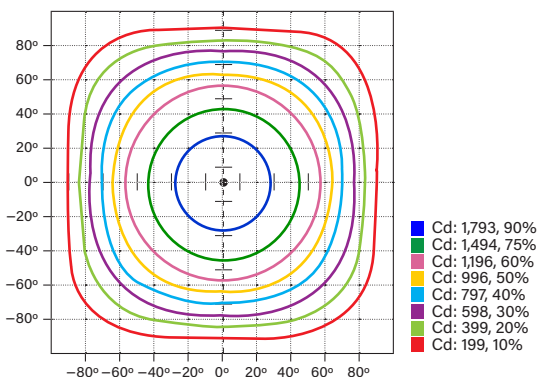
PERFORMANCE SPECIFICATIONS

Catalog Number	Wattage	CCT	Lumen Output	Efficacy	Input Voltage	CRI	Power Factor	Lifetime
1ST-BLP-24-50PSCS-WD0	50W	3500K	5,850	117 lm/W	120-277V	>80	>0.9	50,000 Hours
		4000K	6,200	124 lm/W				
		5000K	5,900	118 lm/W				
	40W	3500K	4,850	121 lm/W				
		4000K	5,200	120 lm/W				
		5000K	4,900	123 lm/W				
	30W	3500K	3,850	128 lm/W				
		4000K	4,200	140 lm/W				
		5000K	3,900	130 lm/W				

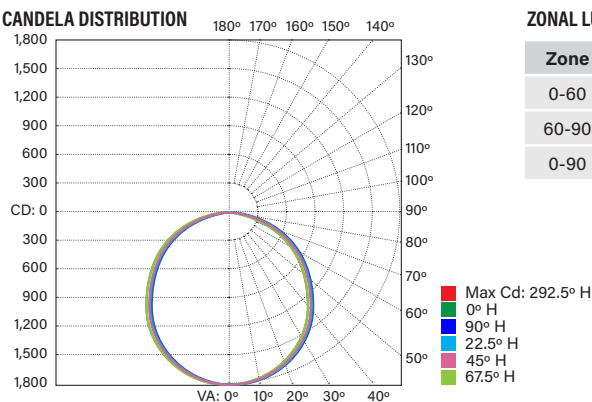
ONE CATALOG NUMBER WITH 9 DIFFERENT OPTIONS

PHOTOMETRIC SPECIFICATIONS

ISOCANDELA PLOT



POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

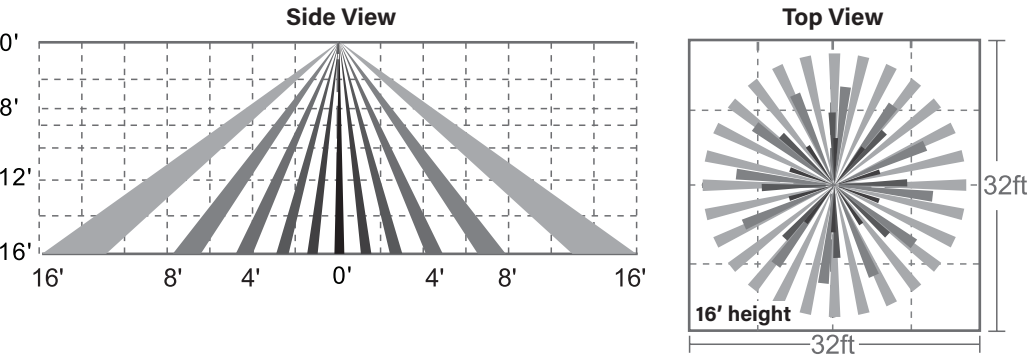
Zone	Lumens	% Luminaire
0-60	4,546.4	77.9%
60-90	1,275.8	21.9%
0-90	5834.2	100%

SENSOR PERFORMANCE

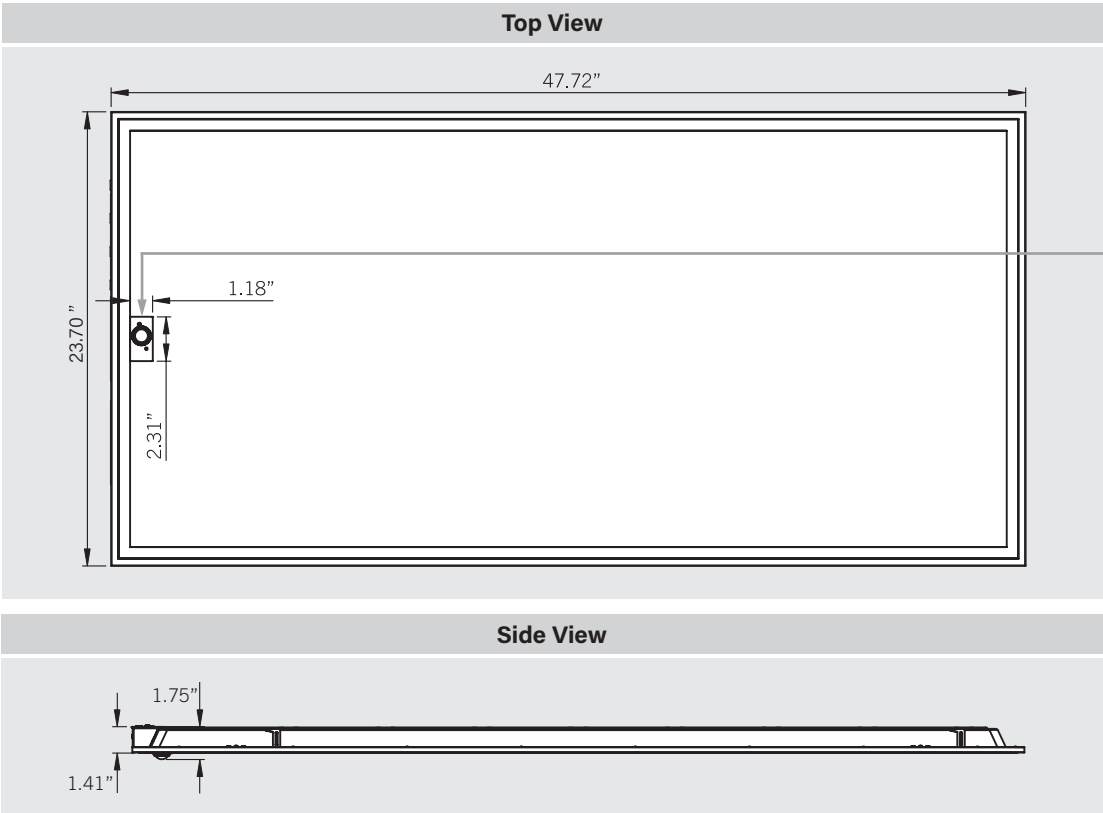
ELECTRICAL SPECIFICATIONS	
RF Transmit Power	8dBm
Wireless Frequency	2.4GHz
Wireless Range (Open Air)	100ft
Wireless Protocol	Bluetooth 4.2
Sensor Detection Height	16' max
Daylight Harvesting Range	100-1000 lux

PRECONFIGURED SETTINGS	
Photo Sensor	Enabled
Motion Sensitivity	100%
Motion Sensor	Enabled
Motion Mode	Occupancy
Hold Time	20m
Standby Time	1m
Standby Percentage	50%

SENSOR COVERAGE



PHYSICAL SPECIFICATIONS



WEIGHT INFORMATION

1 Piece	1 Carton
11.5 lbs	23 lbs



ACCESSORIES

SENSORS

Field-Installable / Field-Use ONLY (purchased separately)

CATALOG NUMBER	DESCRIPTION
KTSL-WS1-B-SG /G2	Bluetooth mesh wireless battery powered wall switch for SmartLoop system



Bluetooth Wireless Keypad
KTSL-WS1-B-SG /G2

CORD SETS

Factory-Installable OR Field-Installable (field-installable purchased separately)

✓	CATALOG NUMBER	DESCRIPTION
	KT-MC-NP-6-18/3	MC cable whip for high bays; no plug; inners 1/2" strip on both ends; 6' metal-clad cable; 18/3 wire
	KT-MC-NP-6-18/5	MC cable whip for high bays; no plug; inners 1/2" strip on both ends; 6' metal-clad cable; 18/5 wire (dimming wires included)
	KT-CS-515P-6-18/3*	Cord set for high bay; 125V NEMA 5-15P; straight blade plug; 6' SJTOW cable; 18/3 wire



Cord Sets

(Accessories continued on next page)

ACCESSORIES (continued)

EMERGENCY BACKUP

Factory-Installable OR Field-Installable (field-installable purchased separately)

✓		CATALOG NUMBER	DESCRIPTION
		KT-EMRG-LED-5C-500-EN /DF	5W, 500 lumen Smart Safe emergency backup with dual flex cables
		KT-EMRG-LED-12C-1200-EN /DF	12W, 1200 lumen Smart Safe emergency backup with dual flex cables



5W, 500 lumen Battery Backup
KT-EMRG-LED-5C-500-EN /DF



12W, 1200 lumen Battery Backup
KT-EMRG-LED-12C-1200-EN /DF



Field-Installable / Field-Use ONLY (purchased separately)

CATALOG NUMBER	DESCRIPTION
KT-BPLED-EM-22/4-KIT	Emergency LED Backup Mounting Kit for Keystone Backlit Panels



Emergency Backup Mounting Bracket
KT-BPLED-EM-22/4-KIT



MOUNTS AND BRACKETS

Factory-Installable OR Field-Installable (field-installable purchased separately)

✓		CATALOG NUMBER	DESCRIPTION
		KT-BPLED-JBOX-1	Larger J-Box add-on for LED Backlit Panels



J-Box add-on
KT-BPLED-JBOX-2



Field-Installable / Field-Use ONLY (purchased separately)

CATALOG NUMBER	DESCRIPTION
KT-BPLED-SM-22-KIT /G2	Surface Mount Kit 2x2 Backlit panels
KT-BPLED-CABLE-KIT	Aircraft cable hanging kit for LED high bay fixtures



Surface Mount Kit
KT-BPLED-SM-22-KIT /G2





Cable Mount Kit
KT-BPLED-CABLE-KIT



Specifications subject to change. Last revised on 04.23.26