

BPL-LED-24B-50PS-8CSA /FC2

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
KT-BPLED50PS-24B-8CSA-VDIM /FC2*	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				

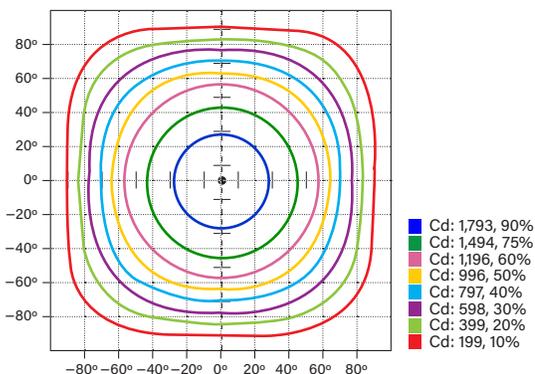
ONE CATALOG NUMBER WITH 9 DIFFERENT OPTIONS

* Preset to highest lumen output (50W / 5000K)

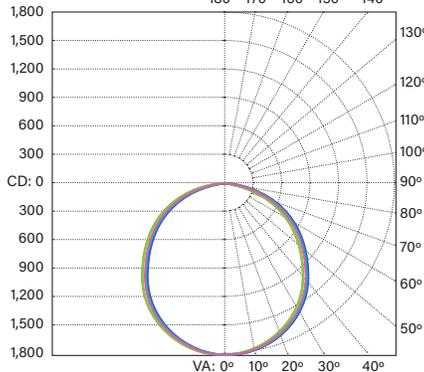
* Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017.

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%

Max Cd: 292.5° H
0° H
90° H
22.5° H
45° H
67.5° H

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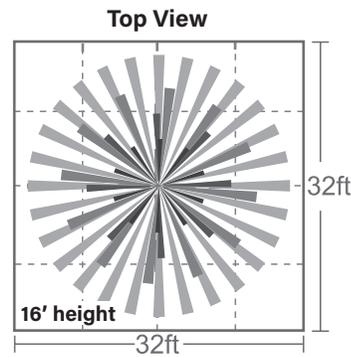
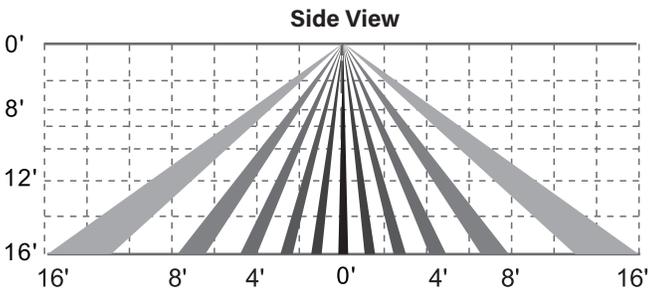
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SENSOR PERFORMANCE

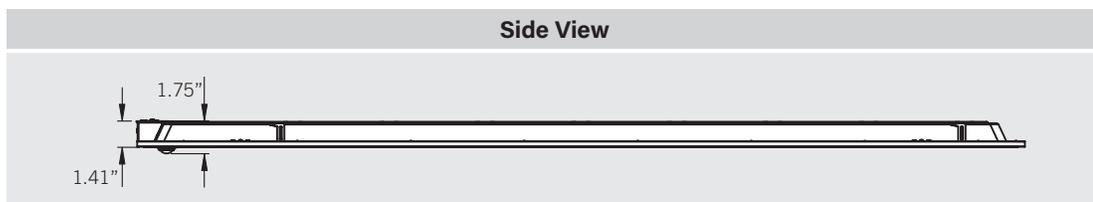
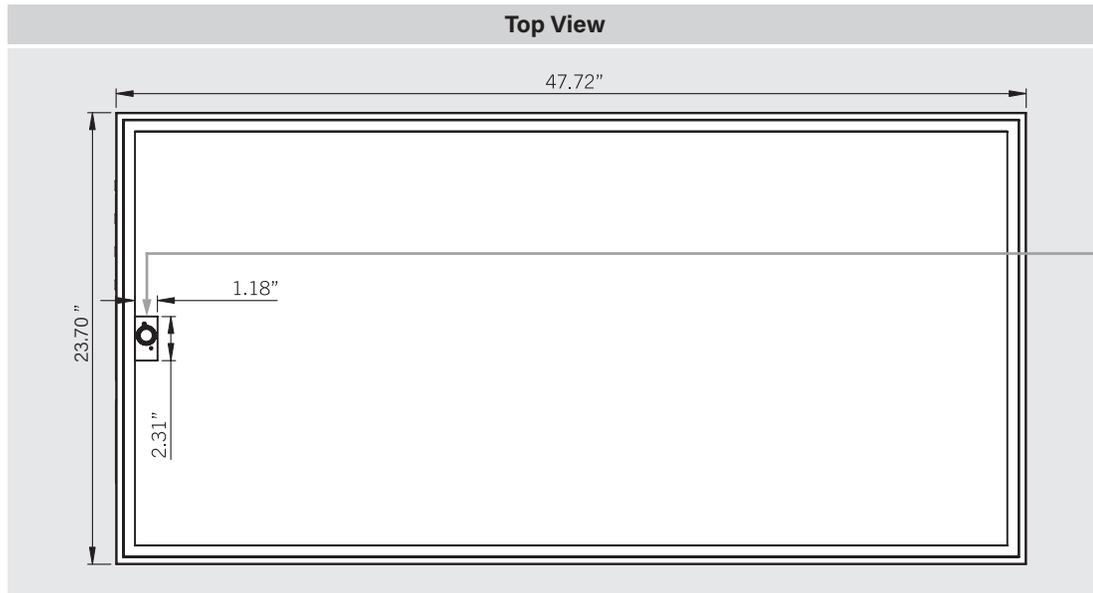
ELECTRICAL SPECIFICATIONS	
RF Transmit Power	8dBm
Wireless Frequency	2.4GHz
Wireless Range (Open Air)	100ft
Wireless Protocol	Bluetooth 4.2
Sensor Detection Height	16' max
Daylight Harvesting Range	100-1000 lux

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



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ACCESSORIES

SENSORS

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

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KTSL-WS1-B-SG /G2	Bluetooth mesh wireless battery powered wall switch for SmartLoop system 	843654141695	FYH-31



CORD SETS

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

✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	/515P6	KT-CS-515P-6-18/3	Cord set for high bay; 125V NEMA 5-15P; straight blade plug; 6' SJTOW cable; 18/3 wire	843654140124	UKH-26
	/L715P10	KT-CS-L715P-10-16/3	Cord set for high bays; 277V NEMA L7-15P; twist lock plug; 10' SJTOW cable; 16/3 wire	843654140131	SFV-88
	/L615P10	KT-CS-L615P-10-16/3	Cord set for high bays; 250V NEMA L6-15P; twist lock plug; 10' SJTOW cable; 16/3 wire	843654140148	ZQS-05
	/L515P10	KT-CS-L515P-10-16/3	Cord set for high bays; 250V NEMA L5-15P; twist lock plug; 10' SJTOW cable; 16/3 wire	843654140155	GVH-22
	/L715P6	KT-CS-L715P-6-16/3	Cord set for high bays; 277V NEMA L7-15P; twist lock plug; 6' SJTOW cable; 16/3 wire	843654140162	DVU-44
	/L615P6	KT-CS-L615P-6-16/3	Cord set for high bays; 250V NEMA L6-15P; twist lock plug; 6' SJTOW cable; 16/3 wire	843654140179	LCW-66
	/L515P6	KT-CS-L515P-6-16/3	Cord set for high bays; 250V NEMA L5-15P; twist lock plug; 6' SJTOW cable; 16/3 wire	843654140186	POC-82
	/MC63	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	843654134505	EYP-82
	/MC65	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)	843654134512	CBU-56
	/NP10	KT-CS-NP-10-16/3	Cord for high bays; no plug; inners 1/2" strip on both ends; 10' SJTOW cable; 16/3 wire	843654140193	YOH-90
	/NP6	KT-CS-NP-6-16/3	Cord for high bays; no plug; inners 1/2" strip on both ends; 6' SJTOW cable; 16/3 wire	843654140216	HUB-73
	/NP15	KT-CS-NP-15-16/3	Cord for high bays; no plug; inners 1/2" strip on both ends; 15' SJTOW cable; 16/3 wire	843654140209	EYD-18



* For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).
Note: For cord sets not listed here, please contact your Keystone sales rep.

(Accessories continued on next page)

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ACCESSORIES (continued)

EMERGENCY BACKUP

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

✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	/EM5†	KT-EMRG-LED-5C-500-EN /DF	5W, 500 lumen Smart Safe emergency backup with dual flex cables	843654132433	RAR-74
	/EM12†	KT-EMRG-LED-12C-1200-EN /DF	12W, 1200 lumen Smart Safe emergency backup with dual flex cables	890949019900	YCV-23



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



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



* For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).
† Factory installation of emergency backup units will automatically include any relevant mounting bracket.

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

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KT-BPLED-EM-22/4-KIT	Emergency LED Backup Mounting Kit for Keystone Backlit Panels	843654128047	EIG-03



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



MOUNTS AND BRACKETS

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

✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	/JBOX	KT-BPLED-JBOX-1	Larger J-Box add-on for LED Backlit Panels	843654128092	MYW-25



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



* For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).

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

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KT-BPLED-SM-22-KIT /G2	Surface Mount Kit 2x2 Backlit panels	843654134543	CGY-52
KT-BPLED-CABLE-KIT	Aircraft cable hanging kit for LED high bay fixtures	843654133423	JLB-77



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



Cable Mount Kit
KT-BPLED-CABLE-KIT



BPL-LED-24B-50PS-8CSA /FC2

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ORDERING INFORMATION

CATALOG NUMBER	CARTON QTY.	UPC	EASY CODE
BPL-LED-24B-50PS-8CSA /FC2	2	843654151625	PJN-59

CATALOG NUMBER BREAKDOWN

BPL-LED-24B-50PS-8CSA /FC2

1	2	3	4	5	6	7	8	9	10
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1 Backlit Panel

2 LED

3 2' x 4' Nominal Size

4 Style

5 Wattage

6 Wattage Selectable

7 80 CRI

8 CCT Selectable

9 CCT Designation

10 Motion Sensor

9 Color Select Designation

A

3500/4000/5000K

ORDERING EXAMPLES

FIXTURE WITH FIELD AND FACTORY-INSTALLED ACCESSORIES*

BPL-LED-24B-50PS-8CSA /FC2/L715P6/EM5/JBOX



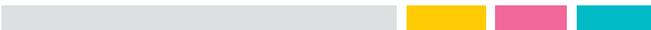
FIXTURE WITH MULTIPLE FACTORY-INSTALLED ACCESSORIES*

BPL-LED-24B-50PS-8CSA /FC2/L715P6/EM5/JBOX



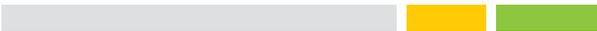
FIXTURE WITH MULTIPLE FACTORY-INSTALLED ACCESSORIES*

BPL-LED-24B-50PS-8CSA /FC2/EM5/JBOX



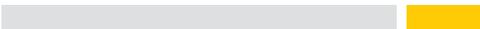
FIXTURE WITH TWO FACTORY-INSTALLED ACCESSORIES*

BPL-LED-24B-50PS-8CSA /FC2/L715P6



FIXTURE WITH NO FACTORY-INSTALLED ACCESSORIES

BPL-LED-24B-50PS-8CSA /FC2



* When ordering more than one factory-installed accessory, use multiple suffixes as shown in the ordering examples above.
Note: All accessories can also be ordered separately for field installation using just their regular Catalog Number, UPC, or Easy Code.

KEYSTONE FIXTURE

CATALOG NUMBER

BPL-LED-24B-50PS-8CSA /FC2

SENSORS

<input checked="" type="checkbox"/>	SUFFIX	CATALOG NUMBER
<input checked="" type="checkbox"/>	/FC2	KTSL-FC2-UV-KO-PIR

CORD SETS

<input checked="" type="checkbox"/>	SUFFIX	CATALOG NUMBER
<input checked="" type="checkbox"/>	/L715P6	KT-CS-L715P-6-16/3

EMERGENCY BACKUP

<input checked="" type="checkbox"/>	SUFFIX	CATALOG NUMBER
<input checked="" type="checkbox"/>	/EM5	KT-EMRG-LED-5C-500-EN /DF

MOUNTS AND BRACKETS

<input checked="" type="checkbox"/>	SUFFIX	CATALOG NUMBER
<input checked="" type="checkbox"/>	/JBOX	KT-BPLED-JBOX-1