



# KT-BPLED50-24-8XX-VDIM

## BACKLIT LED PANEL LIGHT

### DESCRIPTION

2'x4' LED panel light, 50W, 120-277V input, 0-10V dimming



### PRODUCT FEATURES

- Aluminum frame featuring stepped edge design detail and gloss white paint for improved aesthetics
- New backlit style design; fits standard T-grid ceilings
- Suitable for recessed or surface mount (with optional accessories)\*
- Construction features precise optical lenses over each individual LED, offering optimal light diffusion and consistent surface illumination, with no risk of yellowing over product lifetime
- Suitable for damp locations
- Powered by Keystone 0-10V dimmable LED driver with built-in junction box
- Compatible with Keystone SmartSafe LED emergency backup
- Over 50% energy savings compared to traditional fluorescent troffers
- Operating temp range -20°C/-4°F to 40°C/104°F

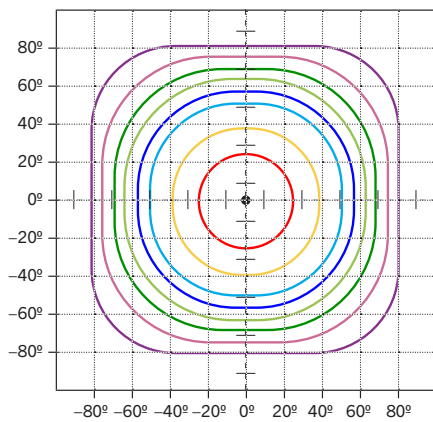
\* For use in non-fire rated installations only

### PERFORMANCE SPECIFICATIONS

Catalog Number	Input Voltage	Wattage	Color Temperature	Lumen Output	CRI	Power Factor	Efficacy	Lifetime
KT-BPLED50-24-835-VDIM	120-277V	50W	3500K	5,500	>80	>0.9	110 lm/W	50,000 Hours
KT-BPLED50-24-840-VDIM	120-277V	50W	4000K	5,500	>80	>0.9	110 lm/W	50,000 Hours
KT-BPLED50-24-850-VDIM	120-277V	50W	5000K	5,500	>80	>0.9	110 lm/W	50,000 Hours

### PHOTOMETRIC SPECIFICATIONS

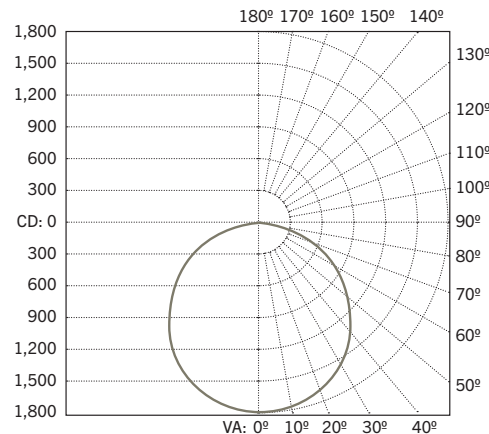
#### ISOCANDELA PLOT



■ Cd: 1,612, 90%	■ Cd: 716, 40%
■ Cd: 1,343, 75%	■ Cd: 537, 30%
■ Cd: 1,074, 60%	■ Cd: 358, 20%
■ Cd: 895, 50%	■ Cd: 179, 10%

----- Point of Max Cd: 1,103.3

#### POLAR CANDELA DISTRIBUTION



■ 0° H
■ 90° H
■ 22.5° H
■ 45° H
■ 67.5° H

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	1,399.3	26.4%
0-40	2,300.5	43.4%
0-60	4,101.5	77.3%
60-90	1,192.5	22.5%
70-100	528.0	10%
90-120	5.8	0.1%
0-90	5,293.9	99.8%
90-180	9.8	0.2%
0-180	5,303.7	100%

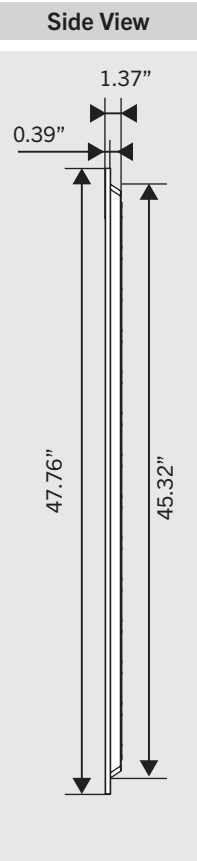
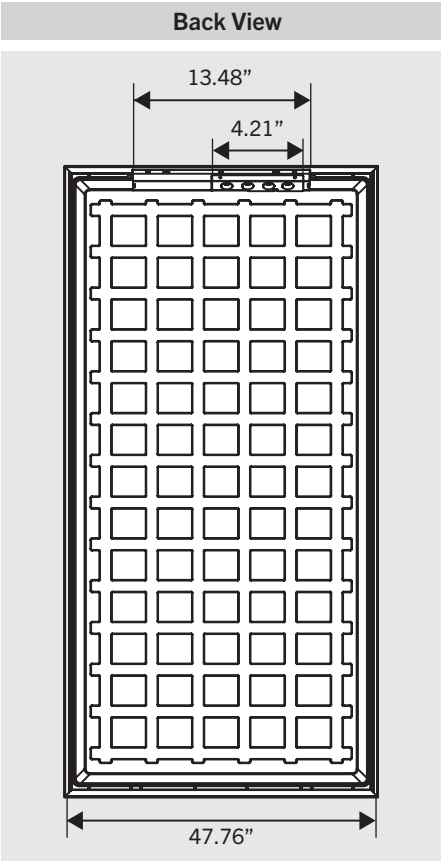
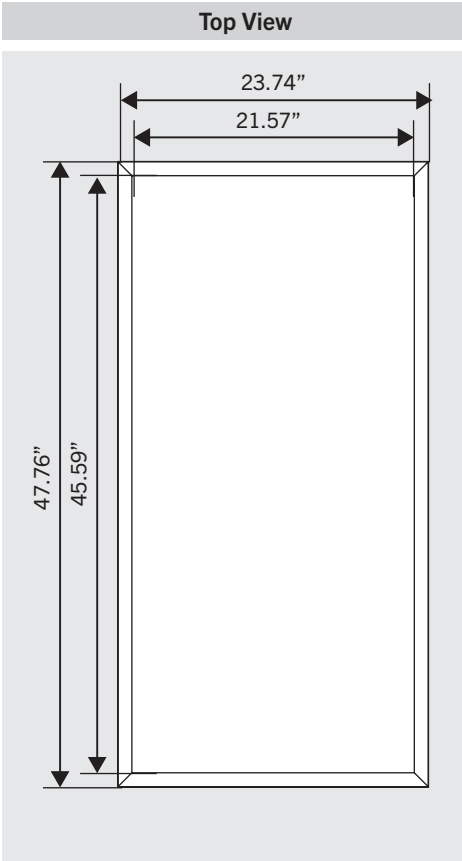


# KT-BPLED50-24-8XX-VDIM

## BACKLIT LED PANEL LIGHT

**PHYSICAL SPECIFICATIONS**

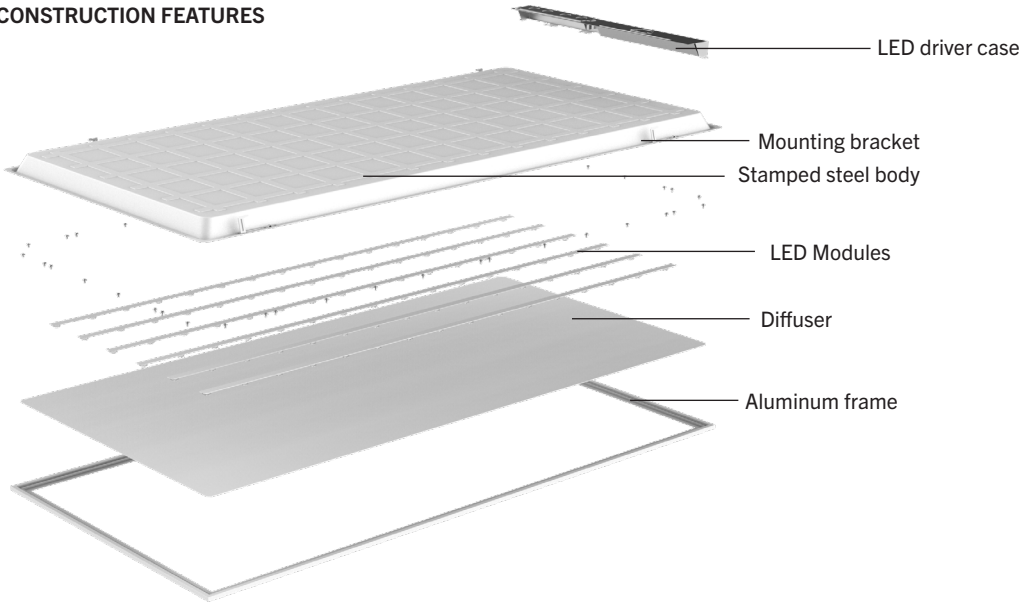
**WEIGHT INFORMATION**



<b>1 Piece</b>	<b>1 Carton</b>
11.5 lbs	23 lbs

**EXPLODED VIEW**

**CONSTRUCTION FEATURES**



## KT-BPLED50-24-8XX-VDIM

### BACKLIT LED PANEL LIGHT

#### ACCESSORIES

##### SENSORS

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

✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	/FC1-PIR	KTSL-FC1-UV-KO-PIR	Bluetooth Mesh Wireless Fixture Controller for SmartLoop System with emote mountable daylight and PIR motion sensor. 120-277V. 3A Max Load with 0-10V Dimming	843654129259	MGZ-59



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

##### 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; 125V 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; 125V 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)



# KT-BPLED50-24-8XX-VDIM

## BACKLIT LED PANEL LIGHT

**ACCESSORIES** (continued)

**EMERGENCY BACKUP**

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

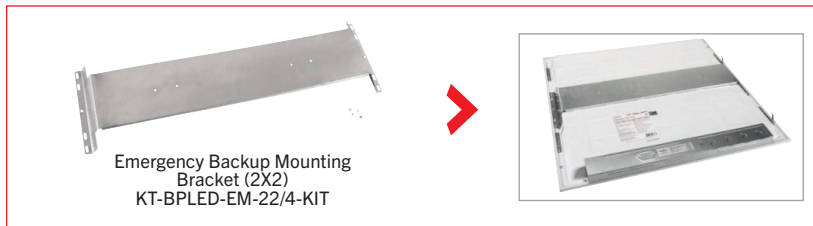
✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	/EM5†	KT-EMRG-LED-5C-500-EN /DF	5W, 500 lumen Smart Safe emergency backup with dual flex cables	843654132433	RAR-74
	/EM12†	KT-EMRG-LED-12C-1200-EN /DF	12W, 1200 lumen Smart Safe emergency backup with dual flex cables	890949019900	YCV-23



\* 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 bracket kit for LED high bay fixtures	843654128047	EIG-03



(Accessories continued on next page)

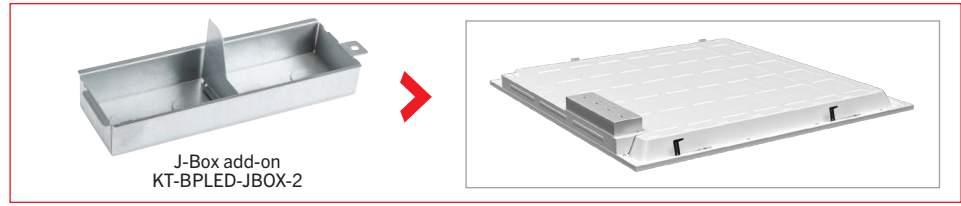
**KT-BPLED50-24-8XX-VDIM**  
BACKLIT LED PANEL LIGHT

**ACCESSORIES** (continued)

**MOUNTS AND BRACKETS**

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

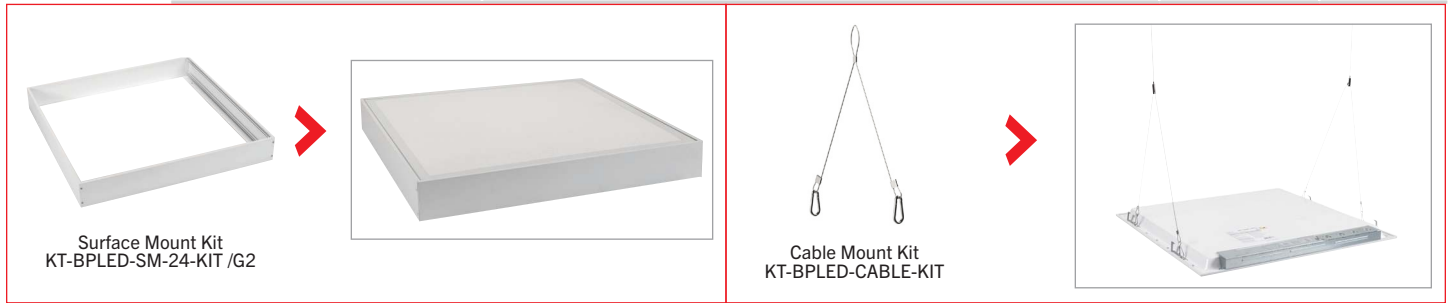
✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	/JBOX	KT-BPLED-JBOX-1	Larger J-Box add-on for LED Backlit Panels	843654128092	MYW-25



\* 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-24-KIT /G2	Surface Mount Kit 2x4 Backlit panels	843654134543	CGY-52
KT-BPLED-CABLE-KIT	Aircraft cable hanging kit for LED high bay fixtures	843654133423	JLB-77





# KT-BPLED50-24-8XX-VDIM

## BACKLIT LED PANEL LIGHT

### ORDERING INFORMATION

CATALOG NUMBER	CARTON QTY.	EASY CODE	UPC	DLC PRODUCT ID
KT-BPLED50-24-835-VDIM-P	2	MLO-00	843654127804	PBH0S1QW
KT-BPLED50-24-840-VDIM-P	2	XOA-13	843654127811	PY2UOTQ1
KT-BPLED50-24-850-VDIM-P	2	OZI-87	843654127828	POCRPW4L

### CATALOG NUMBER BREAKDOWN

# KT-BPLED50-24-8XX-VDIM

1 2 3 4 5 6 7 8

- 1 Keystone Technologies
- 2 Backlit Panel Light LED Fixture
- 3 Wattage
- 4 2' x 4' Nominal Size
- 5 800 Series
- 6 Color Temperature
- 7 0-10V Dimming
- 8 Sensor Options

#### 8 Sensor Options

	No option
/FC1-PIR	Occupancy sensor included

### ORDERING EXAMPLES

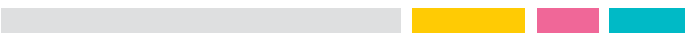
FIXTURE WITH MULTIPLE FACTORY-INSTALLED ACCESSORIES\*

KT-BPLED50-24-8XX-VDIM /FC1-PIR/L715P6/EM5/JBOX



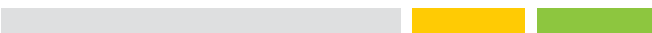
FIXTURE WITH MULTIPLE FACTORY-INSTALLED ACCESSORIES\*

KT-BPLED50-24-8XX-VDIM /FC1-PIR/EM5/JBOX



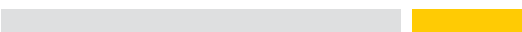
FIXTURE WITH TWO FACTORY-INSTALLED ACCESSORIES\*

KT-BPLED50-24-8XX-VDIM /FC1-PIR/L715P6



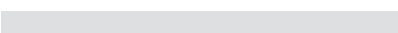
FIXTURE WITH SINGLE FACTORY-INSTALLED ACCESSORY

KT-BPLED50-24-8XX-VDIM /FC1-PIR



FIXTURE WITH NO FACTORY-INSTALLED ACCESSORIES

KT-BPLED50-24-8XX-VDIM



#### KEYSTONE FIXTURE

CATALOG NUMBER
KT-BPLED50-24-8XX-VDIM

#### SENSORS

✓ SUFFIX	CATALOG NUMBER
✓ /FC1-PIR	KTSL-FC1-UV-KO-PIR

#### CORD SETS

✓ SUFFIX	CATALOG NUMBER
✓ /L715P6	KT-CS-L715P-6-16/3

#### EMERGENCY BACKUP

✓ SUFFIX	CATALOG NUMBER
✓ /EM5	KT-EMRG-LED-5C-500-EN /DF

#### MOUNTS AND BRACKETS

✓ SUFFIX	CATALOG NUMBER
✓ /JBOX	KT-BPLED-JBOX-1

\* 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.