



# KT-BPLED50PS-24-8CSA-VDIM /G2

## BACKLIT LED PANEL LIGHT

### DESCRIPTION

2'x4' LED panel light | 30, 40 and 50W |  
 120-277V input | 0-10V dimming | Generation 2



### 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
- IC Rated

\* For use in non-fire rated installations only

### PERFORMANCE SPECIFICATIONS

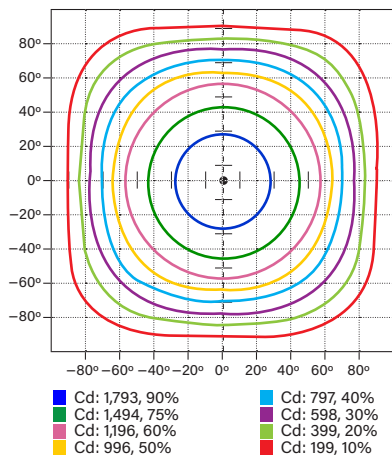
| Catalog Number                 | Input Voltage | Wattage | CCT   | Lumen Output | Efficacy | CRI | Power Factor | Lifetime     |
|--------------------------------|---------------|---------|-------|--------------|----------|-----|--------------|--------------|
| KT-BPLED50PS-24-8CSA-VDIM /G2* | 120-277V      | 50W     | 3500K | 5,850        | 117 lm/W | >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**

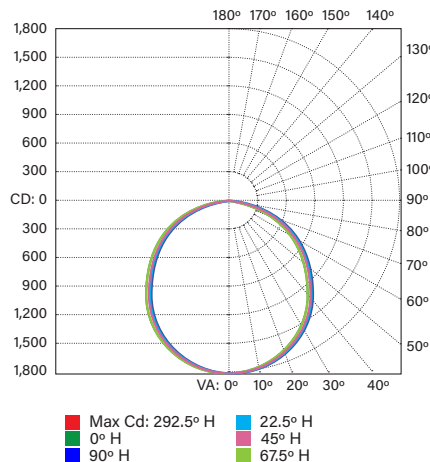
\* Preset to (50W / 5000K)  
 \* Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017.

### PHOTOMETRIC SPECIFICATIONS

#### ISOCANDELA PLOT



#### POLAR CANDELA DISTRIBUTION



#### ZONAL LUMEN SUMMARY

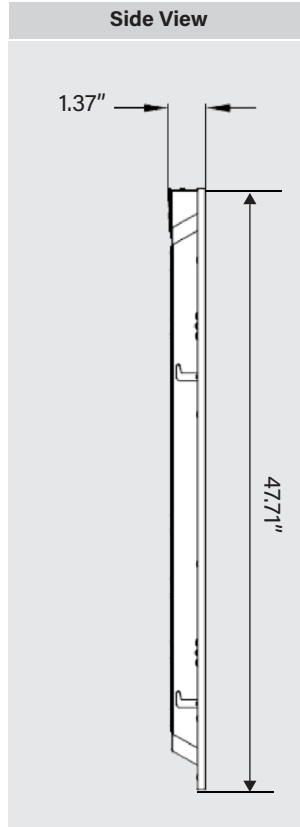
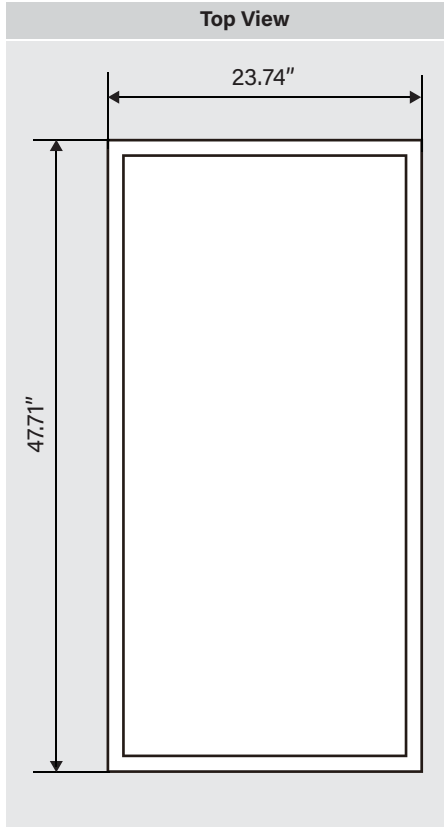
| Zone   | Lumens  | % Luminaire |
|--------|---------|-------------|
| 0-60   | 4,546.4 | 77.9%       |
| 60-90  | 1,275.8 | 21.9%       |
| 0-90   | 5,822.2 | 99.8%       |
| 90-180 | 12.0    | 0.2%        |
| 0-180  | 5,834.1 | 100%        |



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### PHYSICAL SPECIFICATIONS



### WEIGHT INFORMATION

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



# KT-BPLED50PS-24-8CSA-VDIM /G2

## 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    |



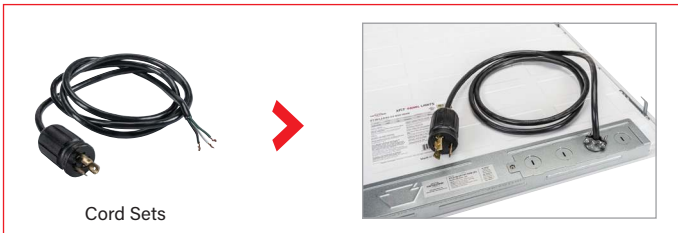
Smart Loop PIR Sensor  
KTSL-FC1-UV-KO-PIR

\* 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)

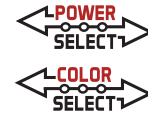
| ✓ | SUFFIX*  | CATALOG NUMBER      | DESCRIPTION   | UPC          | EASY CODE |
|---|----------|---------------------|---|--------------|-----------|
|   | /515P6   | KT-CS-515P-6-18/3   | Cord set for high bay; 125V NEMA 5-15P; straight blade plug; 6' SJTOW cable; 18/3 wire  | 843654140124 | UKH-26    |
|   | /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    |
|   | /MC-63   | 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    |
|   | /MC-65   | 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    |



Cord Sets

\* 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-BPLED50PS-24-8CSA-VDIM /G2

## 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    |



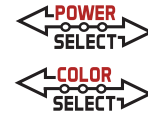
\* For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).  
 † Factory installation of emergency backup units will automatically include any relevant mounting bracket.

**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-BPLED50PS-24-8CSA-VDIM /G2

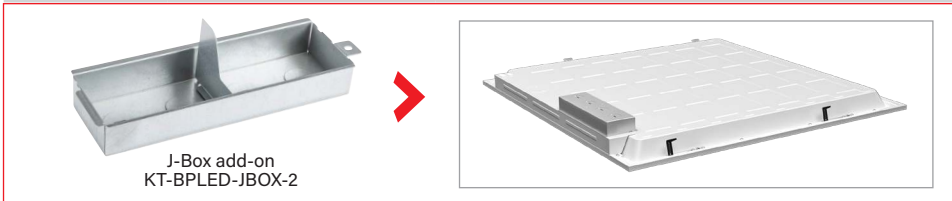
## BACKLIT LED PANEL LIGHT

**ACCESSORIES** (continued)

**MOUNTS AND BRACKETS**

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

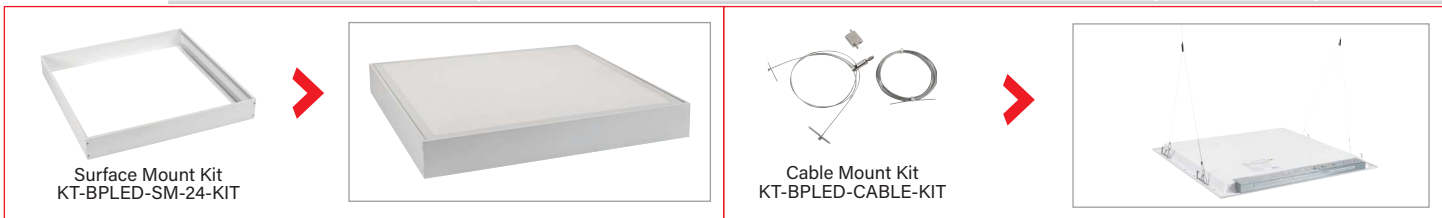
| ✓ | SUFFIX* | CATALOG NUMBER  | DESCRIPTION                                | UPC          | EASY CODE |
|---|---------|-----------------|--|--------------|-----------|
|   | /JBOX   | KT-BPLED-JBOX-1 | Larger J-Box add-on for LED Backlit Panels | 843654128092 | MYW-25    |

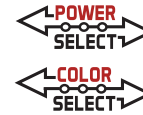


\* For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).

**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-BPLED50PS-24-8CSA-VDIM /G2

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**ORDERING INFORMATION**

| CATALOG NUMBER                | CARTON QTY. | EASY CODE | UPC          | DLC PRODUCT ID |
|-------------------------------|-------------|-----------|--------------|----------------|
| KT-BPLED50PS-24-8CSA-VDIM /G2 | 2           | IPT-19    | 843654127873 | P5CHN20W       |

**CATALOG NUMBER BREAKDOWN**

# KT-BPLED50PS-24-8CSA-VDIM /G2

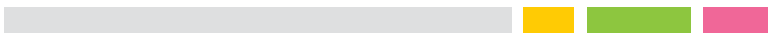
1
2
3
4
5
6
7
8
9
10

- 1** Keystone Technologies
- 2** Backlit Panel Light LED Fixture
- 3** Wattage
- 4** Power Select
- 5** 2' x 4' Nominal Size
- 6** 800 Series
- 7** Color Select
- 8** 3500, 4000 and 5000K Color Temp
- 9** 0-10V Dimming
- 10** Generation 2

**ORDERING EXAMPLES**

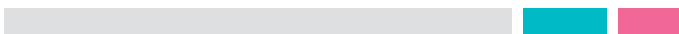
FIXTURE WITH MULTIPLE FACTORY-INSTALLED ACCESSORIES\*

**KT-BPLED50PS-24-8CSA-VDIM /G2 /PIR/L715P6/EM5**



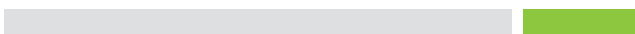
FIXTURE WITH TWO FACTORY-INSTALLED ACCESSORIES\*

**KT-BPLED50PS-24-8CSA-VDIM /G2 /JBOX/EM5**



FIXTURE WITH SINGLE FACTORY-INSTALLED ACCESSORY

**KT-BPLED50PS-24-8CSA-VDIM /G2 /L715P6**



FIXTURE WITH NO FACTORY-INSTALLED ACCESSORIES

**KT-BPLED50PS-24-8CSA-VDIM /G2**



| KEYSTONE FIXTURE |                               |
|------------------|-------------------------------|
| CATALOG NUMBER   |                               |
| ✓                | KT-BPLED50PS-24-8CSA-VDIM /G2 |

| 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.