

# KT-BPLED45PS-24C-8CSA-VDIM

## BACKLIT LED PANEL LIGHT

### DESCRIPTION

2'x 4' LED Panel | 45/35/30W | 3500/4000/5000K  
120-277V input | 0-10V dimming | Contractor Prime



**5 YEAR**  
WARRANTY

### PRODUCT FEATURES

- Features Keystone Color Select technology. Adjust CCT between 3500/4000/5000K
- Features Keystone Power Select technology. Adjust power between 45/35/30W
- Extruded aluminum frame with precision laser welded corners and satin white powder coating
- 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
- UL Certified for Dry/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

### PERFORMANCE SPECIFICATIONS

| Catalog Number             | Nominal Size | Selectable Wattage | Selectable CCT | Lumens | Efficacy | Input Voltage | Dimmable | CRI |
|----------------------------|--------------|--------------------|----------------|--------|----------|---------------|----------|-----|
| KT-BPLED45PS-24C-8CSA-VDIM | 2' x 4'      | 45W                | 3500K          | 5300   | 118 lm/W | 120-277V      | 0-10V    | >80 |
|                            |              |                    | 4000K          | 5650   | 125 lm/W |               |          |     |
|                            |              |                    | 5000K          | 5350   | 118 lm/W |               |          |     |
|                            |              | 35W                | 3500K          | 4200   | 120 lm/W |               |          |     |
|                            |              |                    | 4000K          | 4550   | 130 lm/W |               |          |     |
|                            |              |                    | 5000K          | 4235   | 121 lm/W |               |          |     |
|                            |              | 30W                | 3500K          | 3850   | 128 lm/W |               |          |     |
|                            |              |                    | 4000K          | 4200   | 140 lm/W |               |          |     |
|                            |              |                    | 5000K          | 3900   | 130 lm/W |               |          |     |

\* Preset to (5000K)

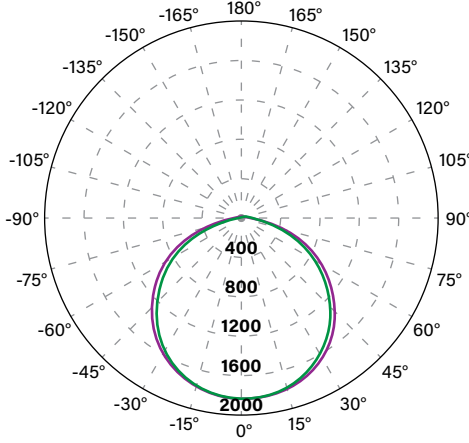
\* Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017.

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### PHOTOMETRIC SPECIFICATIONS

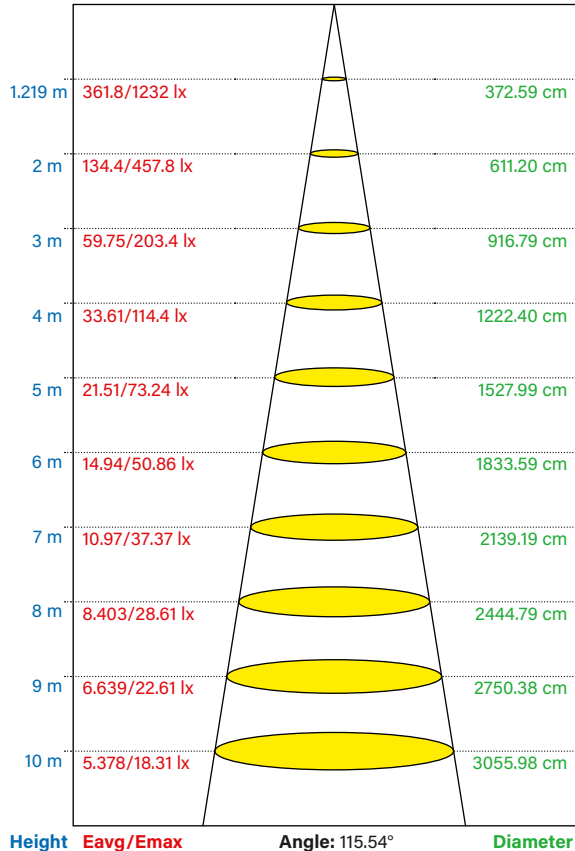
#### POLAR CANDELA DISTRIBUTION



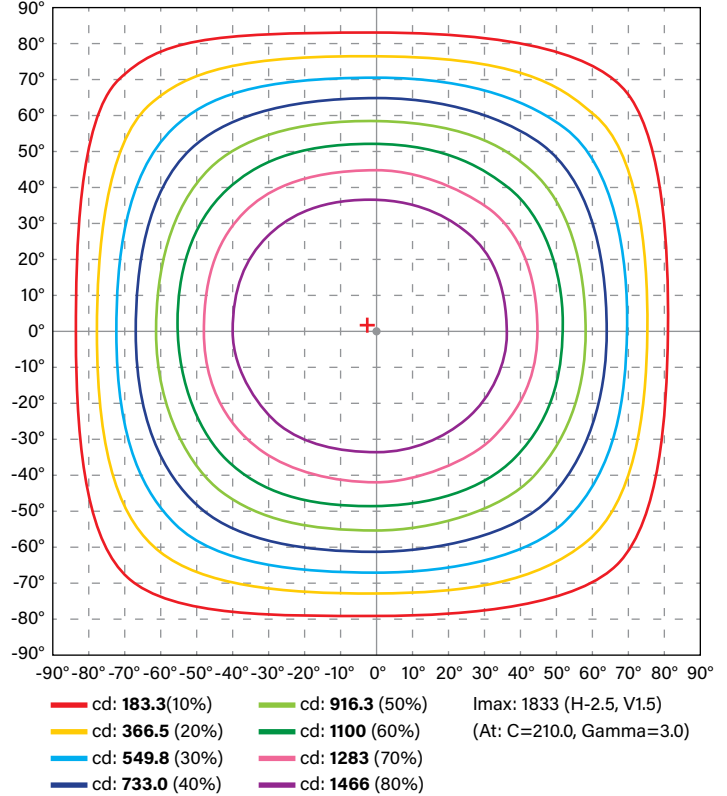
Average beam angle (50%) : **116.5°** **1 Violet** C0/180, 119.4  
Unit: cd **2 Green** C90/270, 113.6

#### FLUX CHART

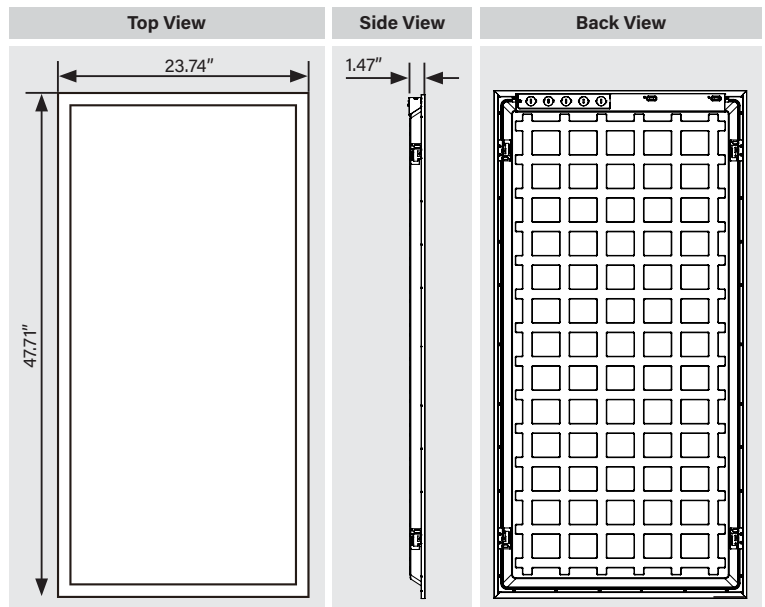
Flux Out: 4006 lm



#### ISOCANDELA PLOT



### PHYSICAL SPECIFICATIONS



# KT-BPLED45PS-24C-8CSA-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 remote mountable daylight and PIR motion sensor. 120-277V, 3A Max Load with 0-10V Dimming | 843654129259 | MGZ-59    |



**Note:** Keystone SmartLoop is a DLC Qualified Network Lighting Control solution, offering advanced functions such as complete wireless control, zoning, high-end trim, occupancy/vacancy sensing, scene setting, and scheduling. To learn more about SmartLoop, please visit <http://www.keystonetech.com/smartloop>.

#### 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    |
|   | /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    |
|   | /MC13   | KT-MC-NP-1-18/3   | Metal clad cable for fixtures, No Plug, 1ft long, 18/3 wire (L,N,G)                     | 843654139777 | AYT-71    |
|   | /MC63   | KT-MC-NP-6-18/3   | Metal clad cable for fixtures. No Plug. 6ft long. 18/3 wire (L,N,G)                     | 843654134505 | EYP-82    |
|   | /MC65   | KT-MC-NP-6-18/5   | Metal clad cable for fixtures. No Plug. 6ft long. 18/5 wire (L,N,G, LV)                 | 843654134512 | CBU-56    |
|   | /MC66   | KT-MC-NP-6-18/6   | Metal clad cable for fixtures. No Plug. 6ft long. 18/6 wire (L,S,N,G, LV)               | 843654164229 | KFF-99    |

\* 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-BPLED45PS-24C-8CSA-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    |



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-22/4C-KIT  | Emergency LED backup mounting bracket kit for backlit panel fixtures | 843654157016 | YLZ-48    |
| 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    |



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



Surface Mount Kit  
KT-BPLED-SM-24-KIT /G2



Cable Mount Kit  
KT-BPLED-CABLE-KIT



# KT-BPLED45PS-24C-8CSA-VDIM

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### ORDERING INFORMATION

| CATALOG NUMBER                  | CARTON QTY. | UPC          | EASY CODE | DLC PRODUCT ID |
|---------------------------------|-------------|--------------|-----------|----------------|
| KT-BPLED45PS-24C-8CSA-VDIM /1PK | 2           | 843654156996 | OQM-00    | S-FBC68M       |

### CATALOG NUMBER BREAKDOWN

# KT-BPLED45PS-24C-8CSA-VDIM

|   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|----|
| 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 Contractor Series
- 7 80 CRI
- 8 Color Select
- 9 Color Select Designation
- 10 0-10V Dimming

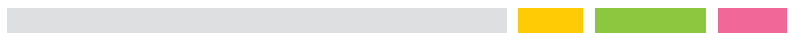
### 9 Color Select

|   |                 |
|---|-----------------|
| A | 3500/4000/5000K |
|---|-----------------|

### ORDERING EXAMPLES

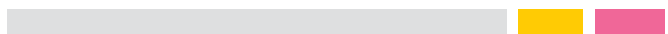
FIXTURE WITH MULTIPLE FACTORY-INSTALLED ACCESSORIES\*

**KT-BPLED45PS-24C-8CSA-VDIM /PIR/L715P6/EM5**



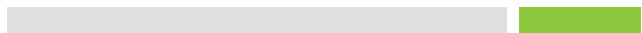
FIXTURE WITH TWO FACTORY-INSTALLED ACCESSORIES\*

**KT-BPLED45PS-24C-8CSA-VDIM /PIR/EM5**



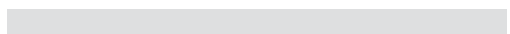
FIXTURE WITH SINGLE FACTORY-INSTALLED ACCESSORY

**KT-BPLED45PS-24C-8CSA-VDIM /L715P6**



FIXTURE WITH NO FACTORY-INSTALLED ACCESSORIES

**KT-BPLED45PS-24C-8CSA-VDIM**



### KEYSTONE FIXTURE

| CATALOG NUMBER             |
|----------------------------|
| KT-BPLED45PS-24C-8CSA-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 |

\* 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.