



# KT-BPLED30-24-8XX-VDIM-P /G2

## BACKLIT LED PANEL LIGHT

### DESCRIPTION

2' x 4' Backlit LED Panel Light | 30W | 120-277V Input | 0-10V Dimming



**10 YEAR**  
LIMITED WARRANTY

### PRODUCT FEATURES

- Aluminum frame featuring stepped-edge design detail and gloss white paint for improved aesthetics
- 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
- LED chip lifetime: L70 >100,000 hours @ 25°C/77°F ambient fixture temperature
- 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 temperature range: -20°C/-4°F to 40°C/104°F
- Available with Keystone's Smart Loop Bluetooth™ mesh wireless system, with features such as high-end trim, grouping, occupancy/vacancy sensing, and scheduling.

\* For use in non-fire rated installations only

### PERFORMANCE SPECIFICATIONS DETAILED

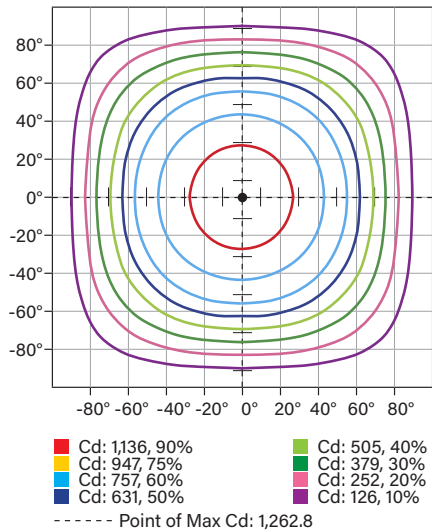
| Catalog Number               | Wattage | CCT   | Lumens | Efficacy | Input Voltage | CRI | Power Factor | UGR | Lifetime  |
|------------------------------|---------|-------|--------|----------|---------------|-----|--------------|-----|-----------|
| KT-BPLED30-24-835-VDIM-P /G2 | 30W     | 3500K | 3,750  | 125 lm/W | 120-277V      | >80 | >0.9         | <19 | 50,000hrs |
| KT-BPLED30-24-840-VDIM-P /G2 | 30W     | 4000K | 3,750  | 125 lm/W | 120-277V      | >80 | >0.9         | <19 | 50,000hrs |
| KT-BPLED30-24-850-VDIM-P /G2 | 30W     | 5000K | 3,750  | 135 lm/W | 120-277V      | >80 | >0.9         | <19 | 50,000hrs |

# KT-BPLED30-24-8XX-VDIM-P /G2

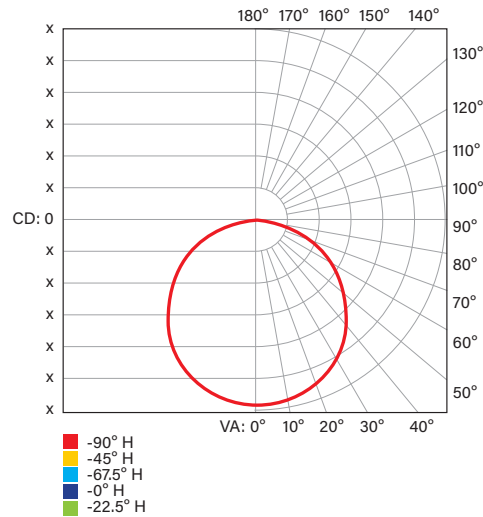
## BACKLIT LED PANEL LIGHT

### PHOTOMETRIC SPECIFICATIONS (KT-BPLED30-24-8XX-VDIM-P /G2)

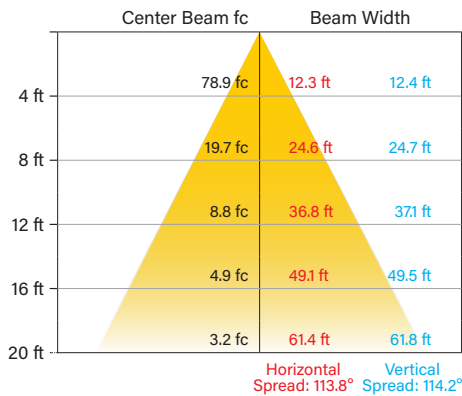
ISOCANDELA PLOT



POLAR CANDELA DISTRIBUTION



ILLUMINANCE AT A DISTANCE



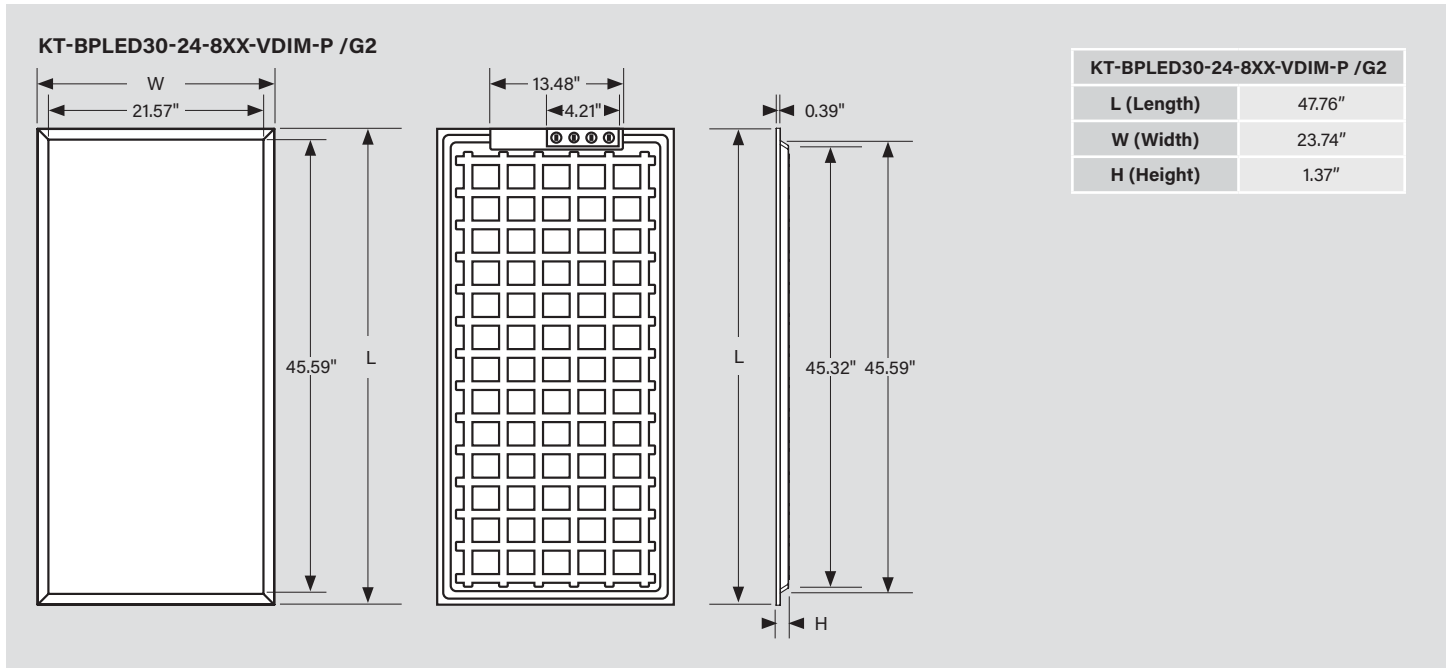
ZONAL LUMEN SUMMARY

| Zone   | Lumens  | % Luminaire |
|--------|---------|-------------|
| 0-30   | 984.8   | 26.7%       |
| 0-40   | 1,617.8 | 43.9%       |
| 0-60   | 2,877.6 | 78.1%       |
| 60-90  | 806.3   | 21.9%       |
| 70-100 | 344.6   | 9.3%        |
| 90-120 | 0.2     | 0%          |
| 0-90   | 3,683.8 | 99.9%       |
| 90-180 | 2.0     | 0.1%        |
| 0-180  | 3,685.8 | 100%        |

# KT-BPLED30-24-8XX-VDIM-P /G2

## BACKLIT LED PANEL LIGHT

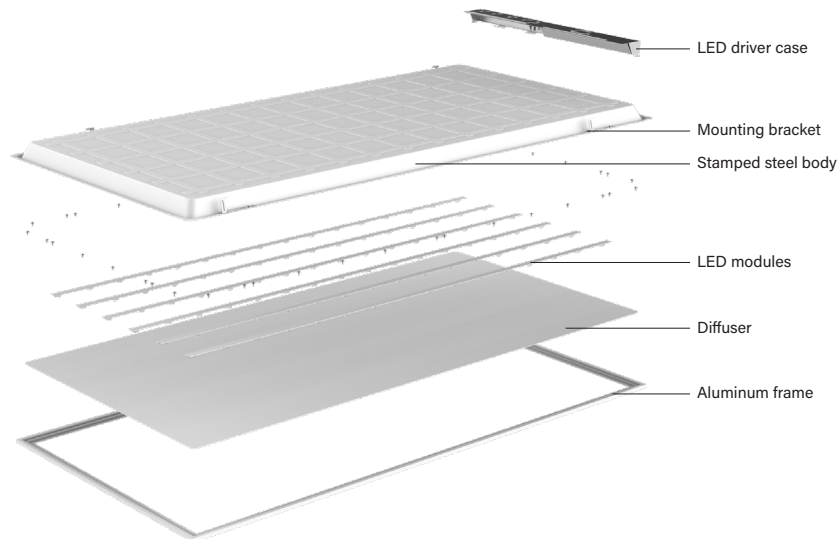
### PHYSICAL SPECIFICATIONS



### WEIGHT

| Catalog Number               | Fixture Weight | Carton Weight |
|------------------------------|----------------|---------------|
| KT-BPLED30-24-8XX-VDIM-P /G2 | 11.50 lbs      | 23.00 lbs     |

### EXPLODED VIEW CONSTRUCTION FEATURES



# KT-BPLED30-24-8XX-VDIM-P /G2

## BACKLIT LED PANEL LIGHT

### ACCESSORIES

#### SENSORS/CONTROLLERS

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    |
|   | /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.

\*\*FOR SAMPLES ONLY NOT FOR PERMANENT INSTALL.

(Accessories continued on next page)

# KT-BPLED30-24-8XX-VDIM-P /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    |



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 bracket kit for LED high bay fixtures | 843654128047 | EIG-03    |



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



(Accessories continued on next page)

# KT-BPLED30-24-8XX-VDIM-P /G2

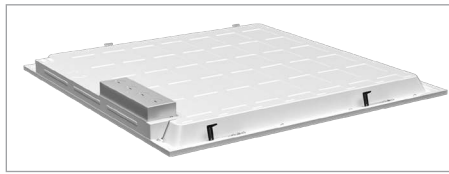
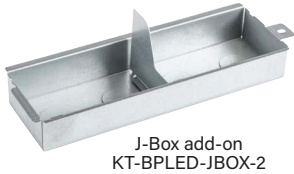
## BACKLIT LED PANEL LIGHT

### 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-2 | Larger J-Box add-on for LED backlit panels | 843654128245 | BMV-31    |



\* 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 for 2 x 4 backlit panels | 843654134543 | CGY-52    |



#### STEP-DOWN TRANSFORMERS

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

| ✓ | Suffix* | Catalog Number       | Description                                                                                  | UPC          | Easy Code |
|---|---------|----------------------|----------------------------------------------------------------------------------------------|--------------|-----------|
|   | /480†‡  | KTAT-250-480-277 /SF | Fully enclosed, single flex step-down transformer for LED high bay fixtures (250VA or lower) | 843654102931 | XIM-17    |



\* 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 step-down transformer units will automatically include any relevant mounting bracket.

‡ Step-down transformers cannot be ordered in conjunction with standard SJTOW cord set options (contact Keystone sales rep for available custom options if needed).



# KT-BPLED30-24-8XX-VDIM-P /G2

## BACKLIT LED PANEL LIGHT

### ORDERING INFORMATION

| Catalog Number               | Carton QTY | UPC          | Easy Code | DLC Product ID |
|------------------------------|------------|--------------|-----------|----------------|
| KT-BPLED30-24-835-VDIM-P /G2 | 2          | 843654146775 | LEX-74    | S-S9815K       |
| KT-BPLED30-24-840-VDIM-P /G2 | 2          | 843654146782 | SYW-30    | S-INE26K       |
| KT-BPLED30-24-850-VDIM-P /G2 | 2          | 843654146799 | DKE-44    | S-R1HUC0       |

### CATALOG NUMBER BREAKDOWN

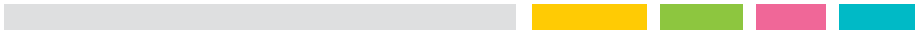
# KT-BPLED30-24-8XX-VDIM-P /G2

| 1                       | 2                                 | 3         | 4                      | 5        | 6                   | 7               | 8             | 9                          | 10                                                              |
|-------------------------|-----------------------------------|-----------|------------------------|----------|---------------------|-----------------|---------------|----------------------------|-----------------------------------------------------------------|
| 1 Keystone Technologies | 2 Backlit Panel Light LED Fixture | 3 Wattage | 4 2' x 4' Nominal Size | 5 80 CRI | 6 Color Temperature | 7 0-10V Dimming | 8 Premium DLC | 9 Second Generation        | 10 Additional Ordering Options (See details and examples below) |
|                         |                                   |           |                        |          |                     |                 |               | (blank) No sensor included | /FC1-PIR Occupancy sensor included                              |

### ORDERING EXAMPLES

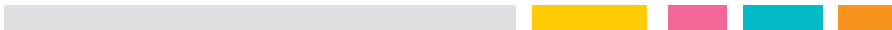
#### FIXTURE WITH MULTIPLE FACTORY-INSTALLED ACCESSORIES\*

#### KT-BPLED30-24-840-VDIM-P /G2/FC1-PIR/MC13/EM5/JBOX



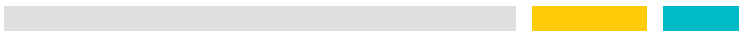
#### FIXTURE WITH MULTIPLE FACTORY-INSTALLED ACCESSORIES\*

#### KT-BPLED30-24-840-VDIM-P /G2/FC1-PIR/EM5/JBOX/480



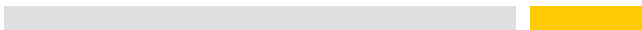
#### FIXTURE WITH TWO FACTORY-INSTALLED ACCESSORIES\*

#### KT-BPLED30-24-840-VDIM-P /G2/FC1-PIR/JBOX



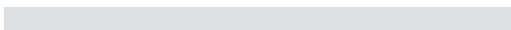
#### FIXTURE WITH SINGLE FACTORY-INSTALLED ACCESSORY

#### KT-BPLED30-24-840-VDIM-P /G2/FC1-PIR



#### FIXTURE WITH NO FACTORY-INSTALLED ACCESSORIES

#### KT-BPLED30-24-840-VDIM-P



\* 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               |
|------------------------------|
| KT-BPLED30-24-840-VDIM-P /G2 |

#### SENSORS

| SUFFIX   | Catalog Number     |
|----------|--------------------|
| /FC1-PIR | KTSL-FC1-UV-KO-PIR |

#### CORD SETS

| SUFFIX | Catalog Number  |
|--------|-----------------|
| /MC13  | KT-MC-NP-1-18/3 |

#### EMERGENCY BACKUP

| SUFFIX | Catalog Number            |
|--------|---------------------------|
| /EM5   | KT-EMRG-LED-5C-500-EN /DF |

#### MOUNTS AND BRACKETS

| SUFFIX | Catalog Number  |
|--------|-----------------|
| /JBOX  | KT-BPLED-JBOX-2 |

#### STEP-DOWN TRANSFORMERS

| SUFFIX | Catalog Number       |
|--------|----------------------|
| /480   | KTAT-250-480-277 /SF |

**Note:** Step-down transformers cannot be ordered in conjunction with standard SJTOW cord set options (contact Keystone sales rep for available custom options if needed).