


**XFIT**
**SMART LOOP**

# KT-BPLED40-24-8XX-VDIM-P /G2

## BACKLIT LED PANEL LIGHT

### DESCRIPTION

2' x 4' Backlit LED Panel Light | 40W | 120-277V Input | 0-10V Dimming



**10YEAR**  
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
- 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.

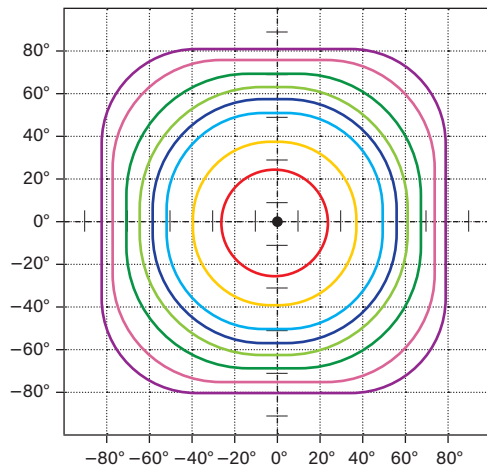
\*For use in non-fire rated installations only

### PERFORMANCE SPECIFICATIONS

Catalog Number	Input Voltage	Wattage	Color Temperature	Lumen Output	Efficacy	CRI	Power Factor	UGR	Lifetime
KT-BPLED40-24-835-VDIM-P /G2	120-277V	40W	3500K	4400	110 lm/W	>80	>0.9	<19	50,000 Hours
KT-BPLED40-24-840-VDIM-P /G2	120-277V	40W	4000K	4400	110 lm/W	>80	>0.9	<19	50,000 Hours
KT-BPLED40-24-850-VDIM-P /G2	120-277V	40W	5000K	4400	110 lm/W	>80	>0.9	<19	50,000 Hours

### PHOTOMETRIC SPECIFICATIONS

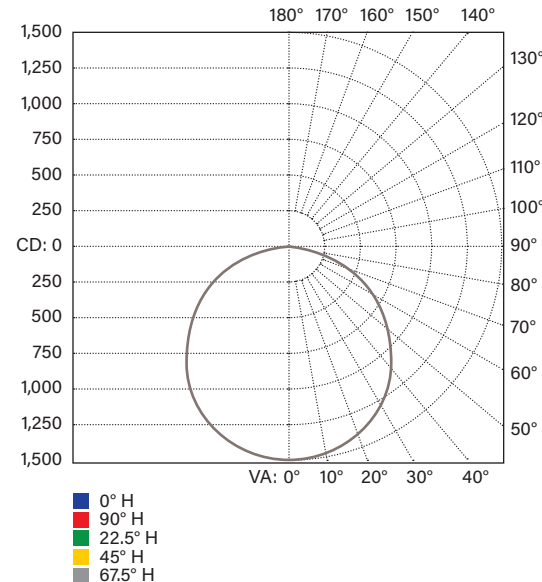
#### ISOCANDELA PLOT



Cd: 1,315; 90°	Cd: 584; 40°
Cd: 1,096; 75°	Cd: 438; 30°
Cd: 876; 60°	Cd: 292; 20°
Cd: 730; 50°	Cd: 146; 10°

----- Point of Max Cd: 1,461.4

#### POLAR CANDELA PLOT



0° H
90° H
22.5° H
45° H
67.5° H

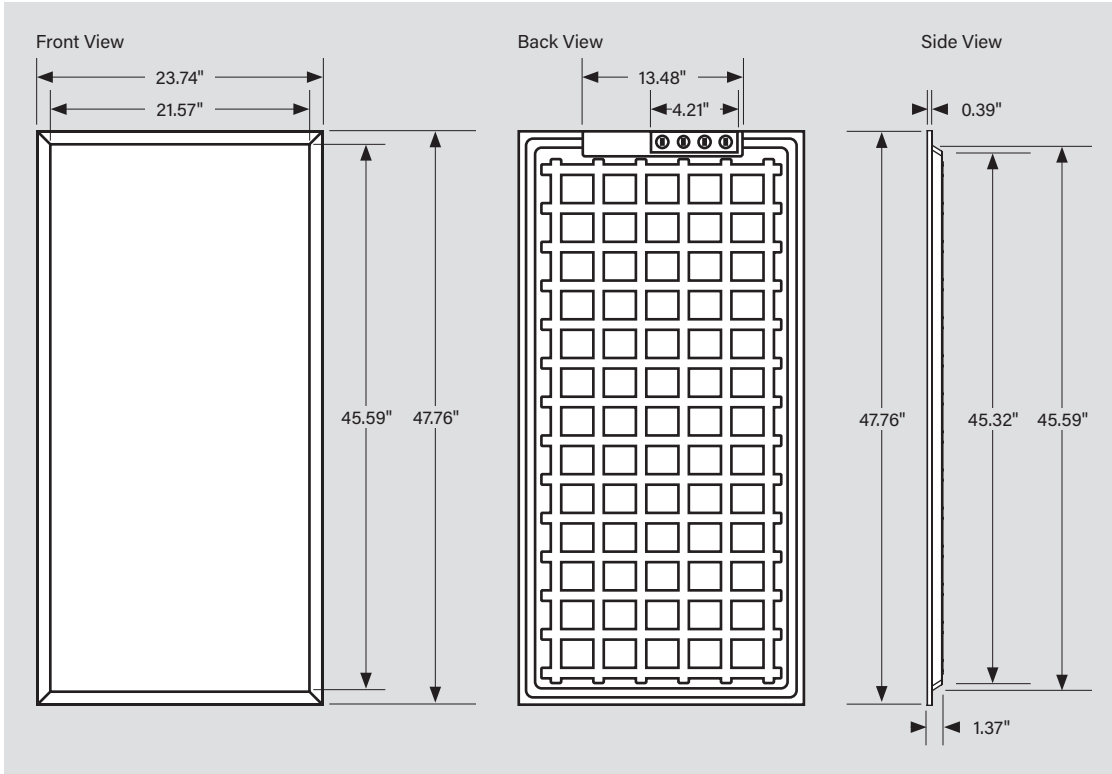
#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	1,140.8	26.5%
0-40	1,875.0	43.6%
0-60	3,339.8	77.6%
60-90	958.3	22.3%
0-90	4301.5	100%

# KT-BPLED40-24-8XX-VDIM-P /G2

## BACKLIT LED PANEL LIGHT

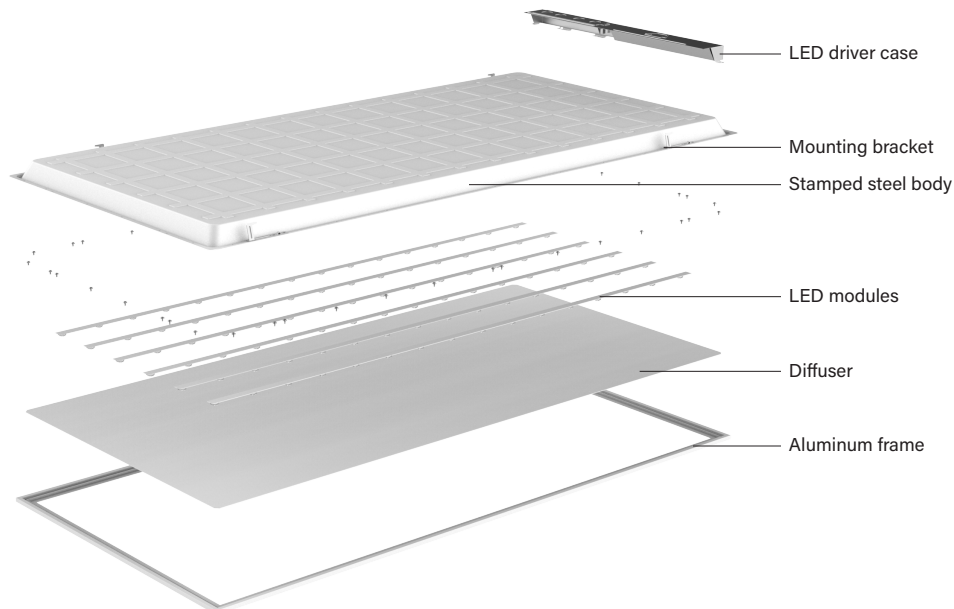
### PHYSICAL SPECIFICATIONS



### WEIGHT INFORMATION

1 Piece	1 Carton
11.50 lbs.	23.00 lbs.

### EXPLODED VIEW CONSTRUCTION FEATURES



# KT-BPLED40-24-8XX-VDIM-P /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 remote mount PIR motion sensor with daylight harvesting and high-end trim; 120-277V; 3A max load with 0-10V dimming	843654129259	MGZ-59



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



**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>.

\* 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
KTSL-WS1-B-SG /G2	Bluetooth mesh wireless battery powered wall switch for SmartLoop system	843654141695	FYH-31



Bluetooth Wireless Keypad  
KTSL-WS1-B-SG /G2

(Accessories continued on next page)



# KT-BPLED40-24-8XX-VDIM-P /G2

## BACKLIT LED PANEL LIGHT

### ACCESSORIES (continued)

#### CORD SETS

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

✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	/515P-6	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
	/NP-10	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
	/NP-6	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
	/NP-15	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-BPLED40-24-8XX-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-BPLED40-24-8XX-VDIM-P /G2

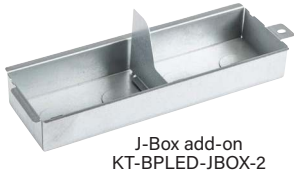
## BACKLIT LED PANEL LIGHT

### 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 × 4 backlit panels	843654134543	CGY-52
KT-BPLED-CABLE-KIT	Aircraft cable hanging kit for LED high bay fixtures	843654133423	JLB-77



#### 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-BPLED40-24-8XX-VDIM-P /G2

## BACKLIT LED PANEL LIGHT

### FIXTURE ORDERING INFORMATION

CATALOG NUMBER	CARTON QTY.	UPC	EASY CODE
KT-BPLED40-24-835-VDIM-P /G2	2	843654146805	GMH-18
KT-BPLED40-24-840-VDIM-P /G2	2	843654146812	XQL-60
KT-BPLED40-24-850-VDIM-P /G2	2	843654146829	TUI-93

### FIXTURE CATALOG NUMBER BREAKDOWN

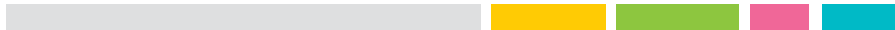
# KT-BPLED40-24-8XX-VDIM-P /G2

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

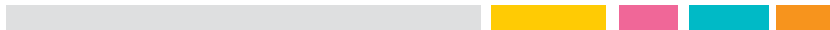
#### FIXTURE WITH MULTIPLE FACTORY-INSTALLED ACCESSORIES\*

#### KT-BPLED40-24-840-VDIM-P /G2/FC1-PIR/L715P-6/EM5/JBOX



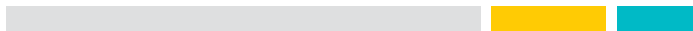
#### FIXTURE WITH MULTIPLE FACTORY-INSTALLED ACCESSORIES\*

#### KT-BPLED40-24-840-VDIM-P /G2/FC1-PIR/EM5/JBOX/480



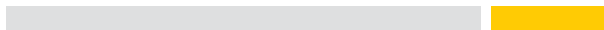
#### FIXTURE WITH TWO FACTORY-INSTALLED ACCESSORIES\*

#### KT-BPLED40-24-840-VDIM-P /G2/FC1-PIR/JBOX



#### FIXTURE WITH SINGLE FACTORY-INSTALLED ACCESSORY

#### KT-BPLED40-24-840-VDIM-P /G2/FC1-PIR



#### FIXTURE WITH NO FACTORY-INSTALLED ACCESSORIES

#### KT-BPLED40-24-840-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-BPLED40-24-840-VDIM-P /G2

#### SENSORS

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

#### CORD SETS

SUFFIX	CATALOG NUMBER
✓ /L715P-6	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-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).