



# 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



### 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	Selectable Wattage	Selectable CCT	Lumens	Efficacy	Input Voltage	CRI	Power Factor	UGR	Lifetime
KT-BPLED40-24-835-VDIM-P /G2	40W	3500K	4,400	110 lm/W	120-277V	>80	>0.9	<19	50,000hrs
KT-BPLED40-24-840-VDIM-P /G2	40W	4000K	4,400	110 lm/W	120-277V	>80	>0.9	<19	50,000hrs
KT-BPLED40-24-850-VDIM-P /G2	40W	5000K	4,400	110 lm/W	120-277V	>80	>0.9	<19	50,000hrs

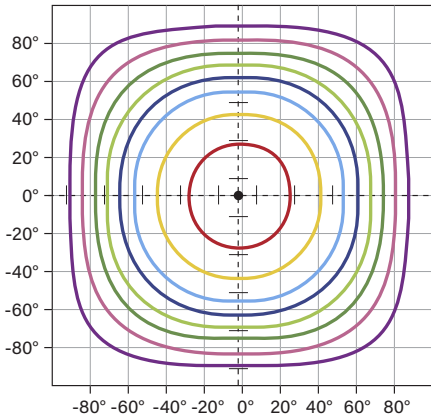


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## BACKLIT LED PANEL LIGHT

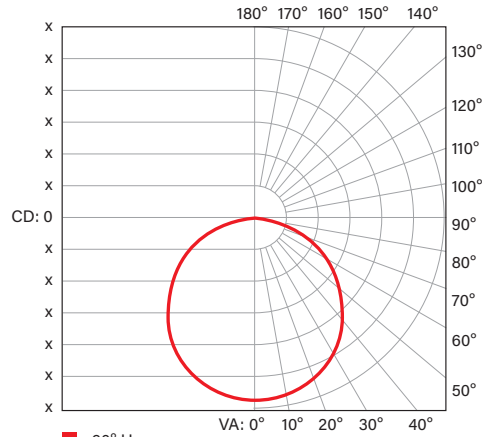
### PHOTOMETRIC SPECIFICATIONS (KT-BPLED40-24-8XX-VDIM-P /G2)

**ISOCANDELA PLOT**



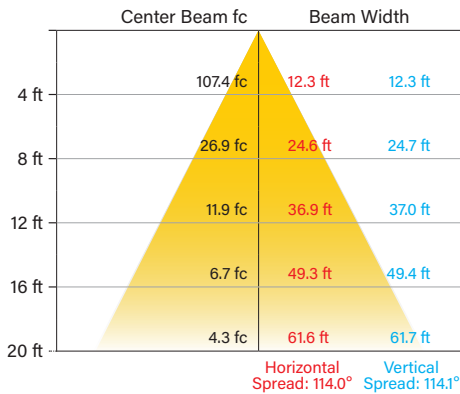
- Cd: 1,547, 90%
  - Cd: 1,289, 75%
  - Cd: 1,031, 60%
  - Cd: 860, 50%
  - Cd: 688, 40%
  - Cd: 516, 30%
  - Cd: 344, 20%
  - Cd: 172, 10%
- Point of Max Cd: 1,721.9

**POLAR CANDELA DISTRIBUTION**



- -90° H
- -45° H
- -67.5° H
- -0° H
- -22.5° H

**ILLUMINANCE AT A DISTANCE**



**ZONAL LUMEN SUMMARY**

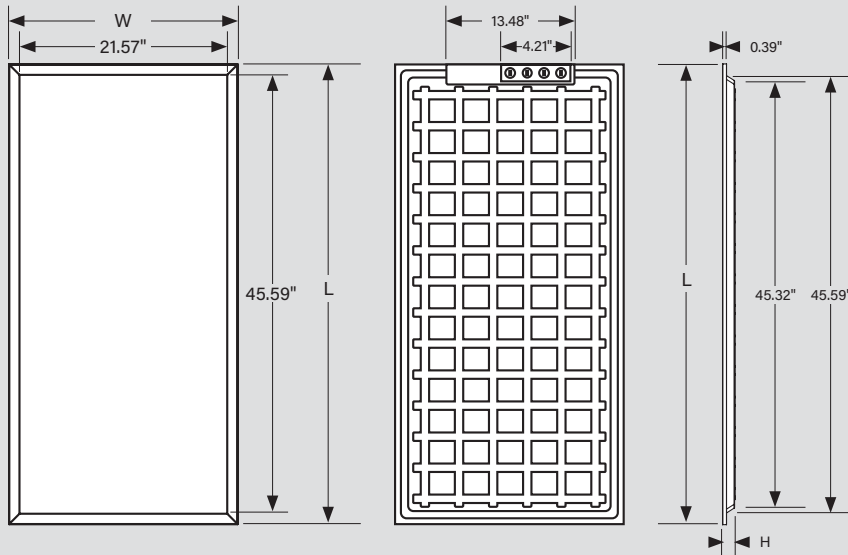
Zone	Lumens	% Luminaire
0-30	1,341.6	26.7%
0-40	2,204.3	43.8%
0-60	3,921.9	78%
60-90	1,095.6	21.8%
70-100	469.5	9.3%
90-120	4.9	0.1%
0-90	5,017.5	99.8%
90-180	9.7	0.2%
0-180	5,027.2	100%

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## BACKLIT LED PANEL LIGHT

### PHYSICAL SPECIFICATIONS

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

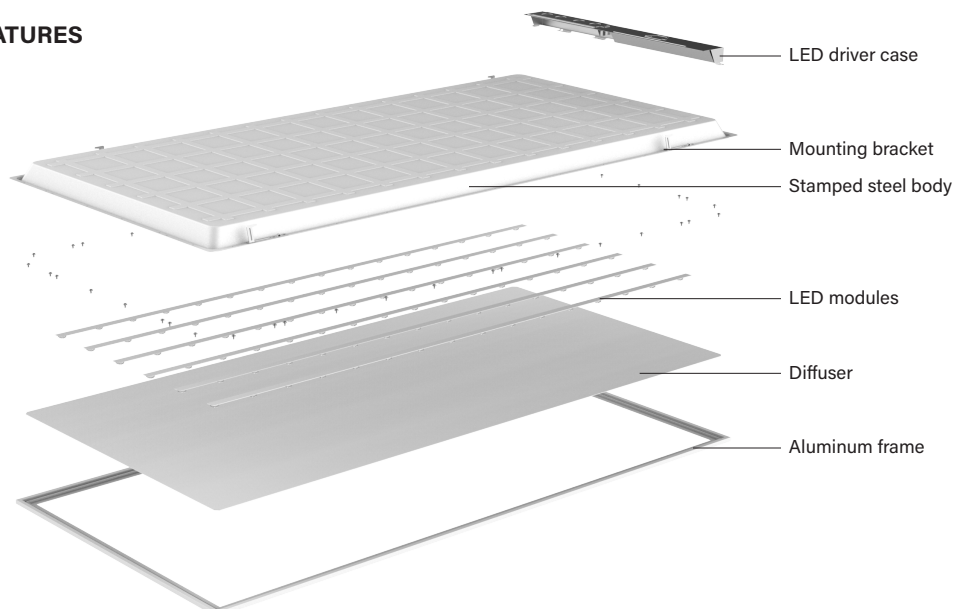


KT-BPLED40-24-8XX-VDIM-P /G2	
L (Length)	47.76"
W (Width)	23.74"
H (Height)	1.37"

### WEIGHT

Catalog Number	Fixture Weight	Carton Weight
KT-BPLED40-24-8XX-VDIM-P /G2	11.50 lbs	23.00 lbs

### EXPLODED VIEW CONSTRUCTION FEATURES



# KT-BPLED40-24-8XX-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 remote mount PIR motion sensor with daylight harvesting and high-end trim; 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>.

\* 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
	/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, 1' long, 18/3 wire (L,N,G)	843654139777	AYT-71
	/MC63	KT-MC-NP-6-18/3	Metal clad cable for fixtures. No Plug, 6' long, 18/3 wire (L,N,G)	843654134505	EYP-82
	/MC65	KT-MC-NP-6-18/5	Metal clad cable for fixtures. No Plug, 6' 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, 6' 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)

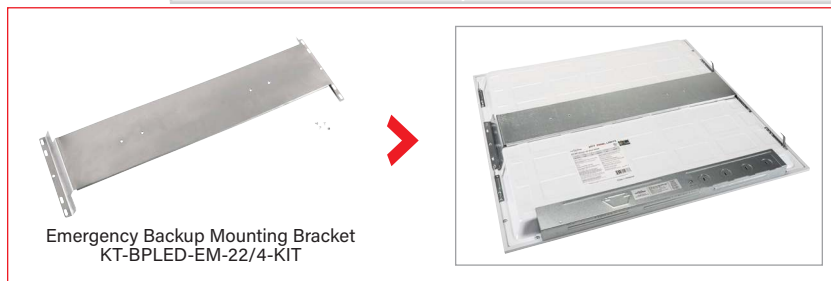
✓	Suffix*	Catalog Number	Description	UPC	Easy Code
	/EM5†	KT-EMRG-LED-5C-500-EN /DF	5W, 500 lumen Smart Safe emergency backup with dual flex cables	843654132433	RAR-74
	/EM12†	KT-EMRG-LED-12C-1200-EN /DF	12W, 1200 lumen Smart Safe emergency backup with dual flex cables	890949019900	YCV-23



\* 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-BPLED40-24-8XX-VDIM-P /G2

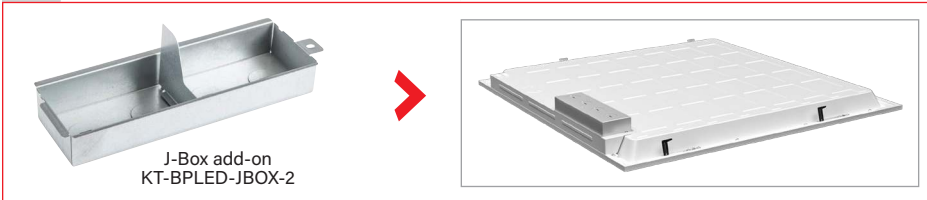
## BACKLIT LED PANEL LIGHT

**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)

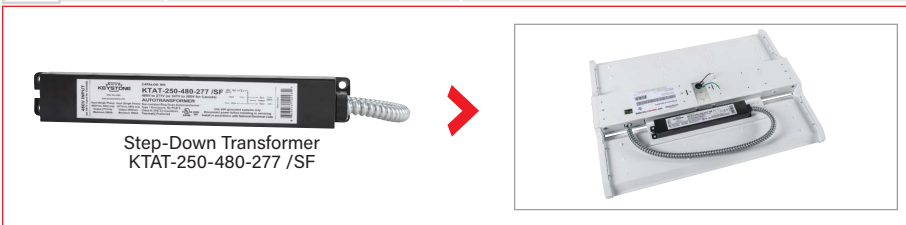
	Catalog Number	Description	UPC	Easy Code
	KT-BPLED-SM-24-KIT /G2	Surface Mount kit for 2 x 4 backlit panels	843654134543	CGY-52



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

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### 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

### 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)

10 Additional Ordering Options	
(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 /G2**

KEYSTONE FIXTURE	
Suffix	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

\* 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.

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).