



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



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

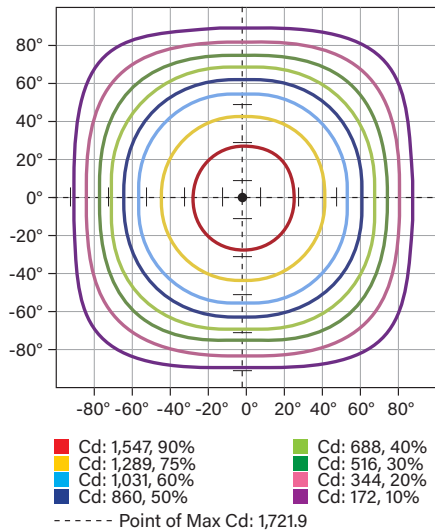
Catalog Number	Wattage	CCT	Lumens	Efficacy	Input Voltage	CRI	Power Factor	UGR	Lifetime
KT-BPLED40-24-835-VDIM-P /G2	40W	3500K	4,400	110 lm/W	120-277V	>80	>0.9	<19	50,000hrs
KT-BPLED40-24-840-VDIM-P /G2	40W	4000K	4,400	110 lm/W	120-277V	>80	>0.9	<19	50,000hrs
KT-BPLED40-24-850-VDIM-P /G2	40W	5000K	4,400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

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

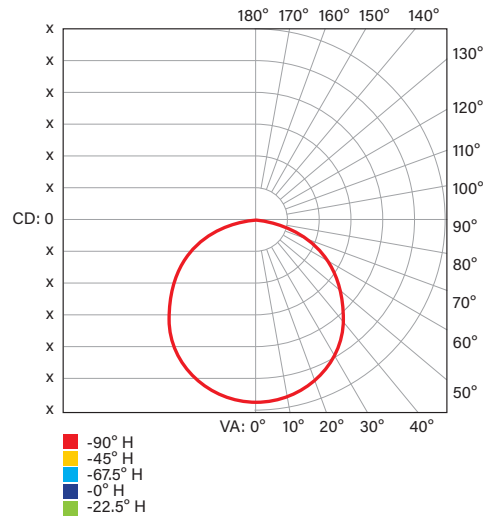
BACKLIT LED PANEL LIGHT

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

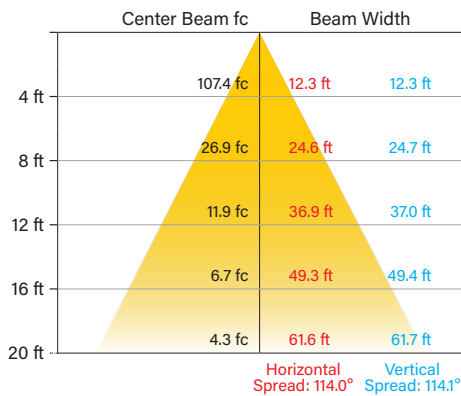
ISOCANDELA PLOT



POLAR CANDELA DISTRIBUTION



ILLUMINANCE AT A DISTANCE



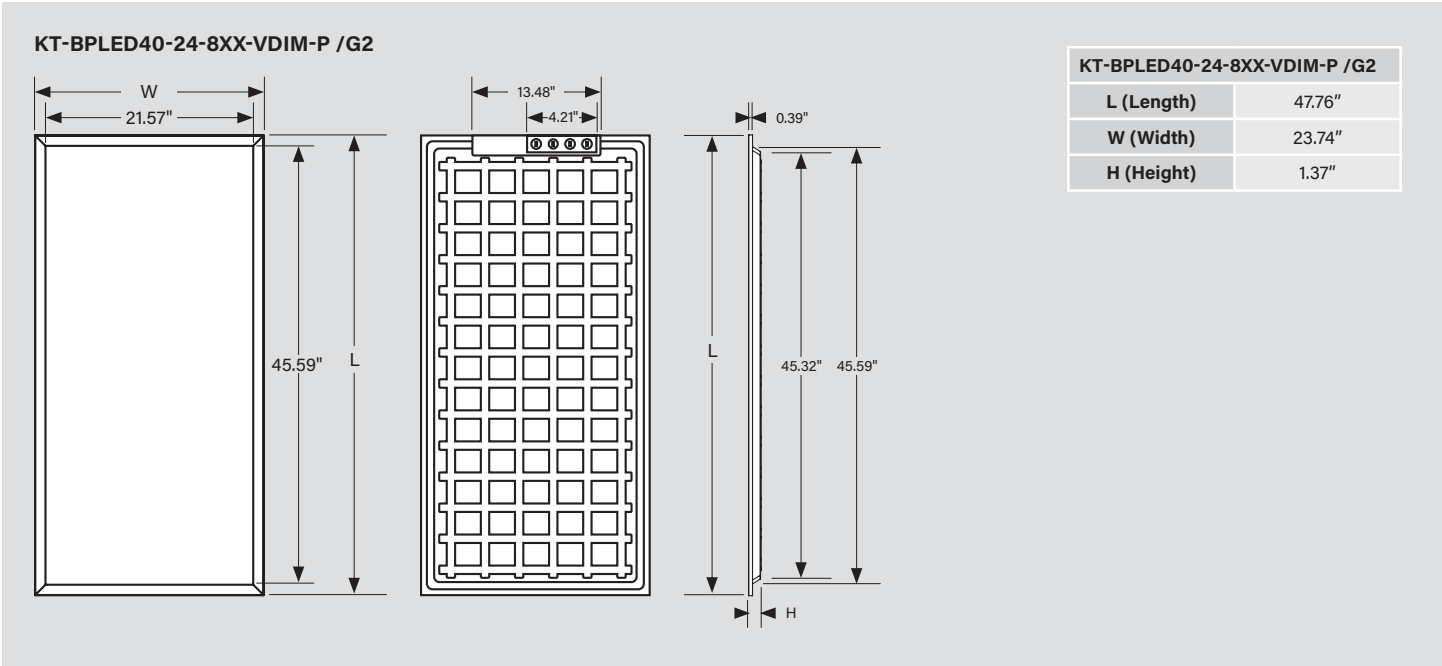
ZONAL LUMEN SUMMARY

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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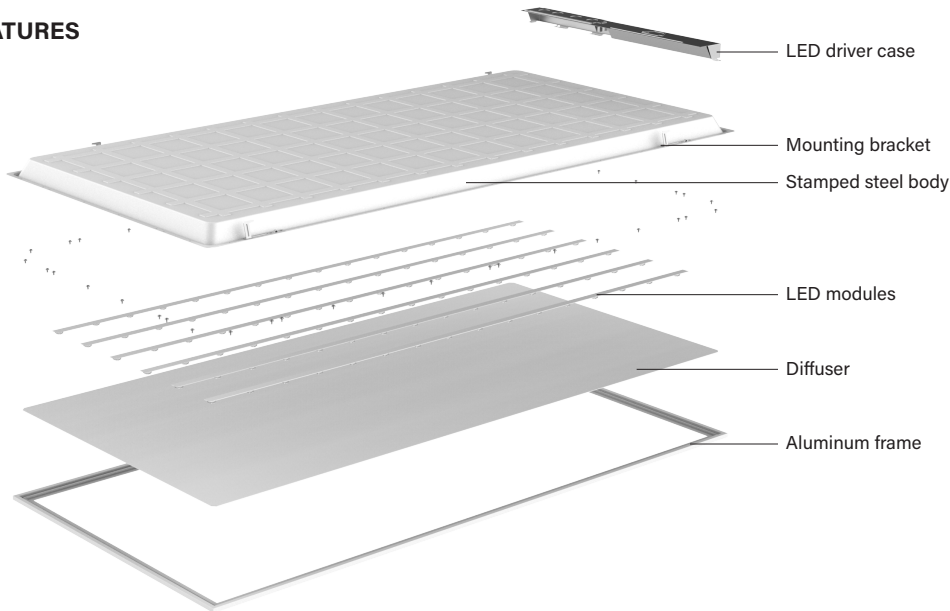
PHYSICAL SPECIFICATIONS



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



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).

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-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

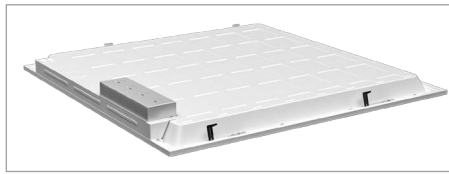
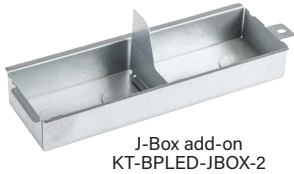
BACKLIT LED PANEL LIGHT

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 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

BACKLIT LED PANEL LIGHT

ORDERING INFORMATION

Catalog Number	Carton QTY	UPC	Easy Code	DLC Product ID
KT-BPLED40-24-835-VDIM-P /G2	2	843654146805	GMH-18	S-8GAEQF
KT-BPLED40-24-840-VDIM-P /G2	2	843654146812	XQL-60	S-AQFB92
KT-BPLED40-24-850-VDIM-P /G2	2	843654146829	TUI-93	S-8SEZRJ

CATALOG NUMBER BREAKDOWN

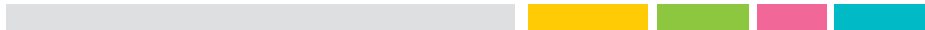
KT-BPLED40-24-8XX-VDIM-P /G2

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

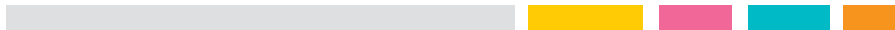
FIXTURE WITH MULTIPLE FACTORY-INSTALLED ACCESSORIES*

KT-BPLED40-24-840-VDIM-P /G2/FC1-PIR/MC13/EM5/JBOX



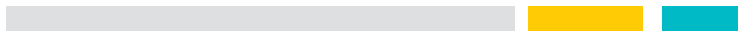
FIXTURE WITH MULTIPLE FACTORY-INSTALLED ACCESSORIES*

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



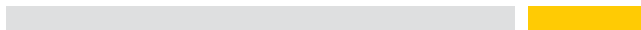
FIXTURE WITH TWO FACTORY-INSTALLED ACCESSORIES*

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



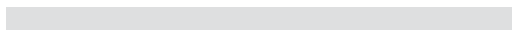
FIXTURE WITH SINGLE FACTORY-INSTALLED ACCESSORY

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



FIXTURE WITH NO FACTORY-INSTALLED ACCESSORIES

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



* 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
✓ /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).