



KT-BPLEDXXPS-XX-8CSA-VDIM /G3 /TAA

BACKLIT LED PANEL LIGHT

DESCRIPTION

1'x4', 2'x2', 2'x4' LED panel light, 40W and 50W,
120-277V input, 0-10V dimming, Generation 3



10 YEAR
LIMITED WARRANTY



PRODUCT FEATURES

- Aluminum frame featuring stepped edge design detail and gloss white paint for improved aesthetics
- New 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
- LED chip lifetime: L70 >100,000 hours @ 25°C/77°F ambient fixture temperature
- Operating temp range -17°C/1.4°F to 45°C/113°F
- IC Rated
- Meets FCC Part 15, Class B
- Low optical flicker

* For use in non-fire rated installations only

PERFORMANCE SPECIFICATIONS

Catalog Number	Input Voltage	Wattage	CCT	Lumen Output	Efficacy	CRI	Power Factor	Lifetime
KT-BPLED40PS-14-8CSA-VDIM /G3 /TAA	120-277V	40W	3500K	5,000	125 lm/W	>80	>0.9	50,000 Hours
			4000K					
			5000K					
		30W	3500K	3,750	125 lm/W			
			4000K					
			5000K					
		20W	3500K	2,500	125 lm/W			
			4000K					
			5000K					
KT-BPLED40PS-22-8CSA-VDIM /G3 /TAA		40W	3500K	5,000	125 lm/W			
			4000K					
			5000K					
		30W	3500K	3,750	125 lm/W			
			4000K					
			5000K					
		20W	3500K	2,500	125 lm/W			
			4000K					
			5000K					
KT-BPLED50PS-24-8CSA-VDIM /G3 /TAA		50W	3500K	6,250	125 lm/W			
			4000K					
			5000K					
		40W	3500K	5,000	125 lm/W			
			4000K					
			5000K					
		30W	3500K	3,750	125 lm/W			
			4000K					
			5000K					

* Preset to highest lumen output (40W / 5000K)

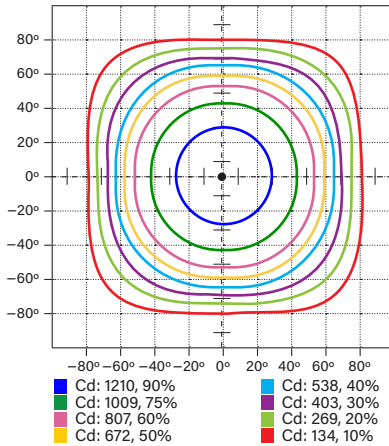
* Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017.

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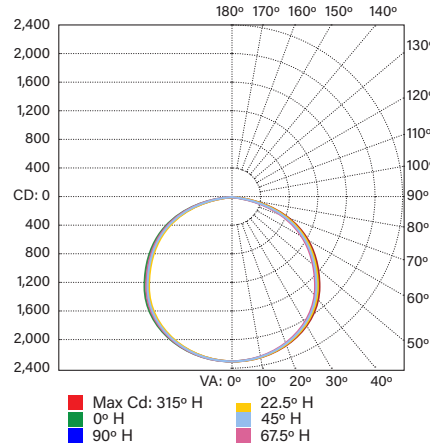
BACKLIT LED PANEL LIGHT

PHOTOMETRIC SPECIFICATIONS (KT-BPLED40PS-14-8CSA-VDIM /G3 /TAA)

ISOCANDELA PLOT



POLAR CANDELA DISTRIBUTION

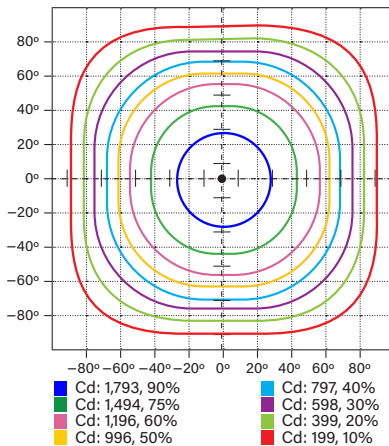


ZONAL LUMEN SUMMARY

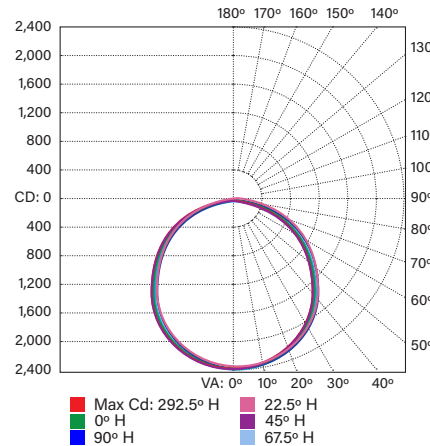
Zone	Lumens	% Luminaire
0-60	3,225.6	77.7%
60-90	920.1	22.2%
0-90	4,145.7	99.9%
90-180	3.9	0.1%
0-180	4,149.6	100%

PHOTOMETRIC SPECIFICATIONS (KT-BPLED40PS-22-8CSA-VDIM /G3 /TAA)

ISOCANDELA PLOT



POLAR CANDELA DISTRIBUTION

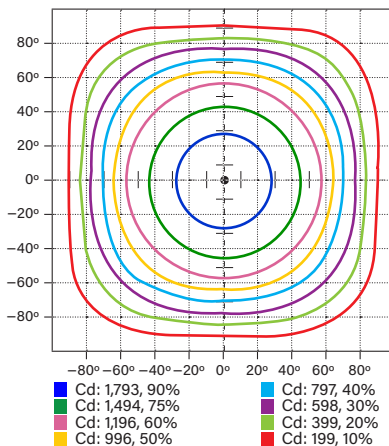


ZONAL LUMEN SUMMARY

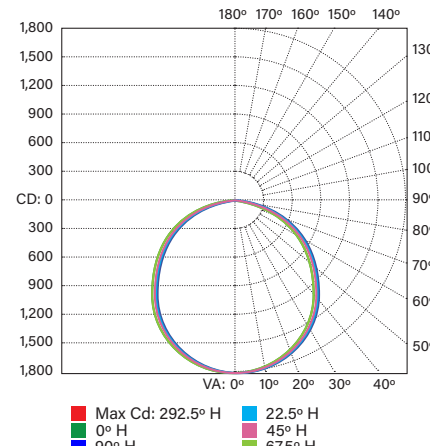
Zone	Lumens	% Luminaire
0-60	3,252.2	78.4%
60-90	891.5	21.5%
0-90	4,143.7	99.9%
90-180	3.9	0.1%
0-180	4,147.6	100%

PHOTOMETRIC SPECIFICATIONS (KT-BPLED50PS-24-8CSA-VDIM /G3 /TAA)

ISOCANDELA PLOT



POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-60	4,546.4	77.9%
60-90	1,275.8	21.9%
0-90	5,822.2	99.8%
90-180	12.0	0.2%
0-180	5,834.1	100%

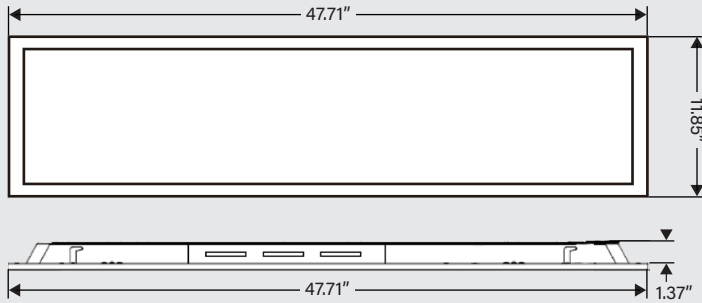
KT-BPLEDXXPS-XX-8CSA-VDIM /G3 /TAA

BACKLIT LED PANEL LIGHT

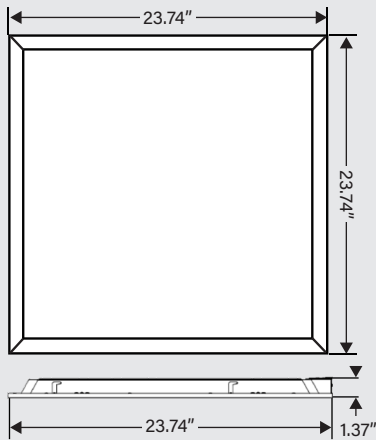
PHYSICAL SPECIFICATIONS

Top View

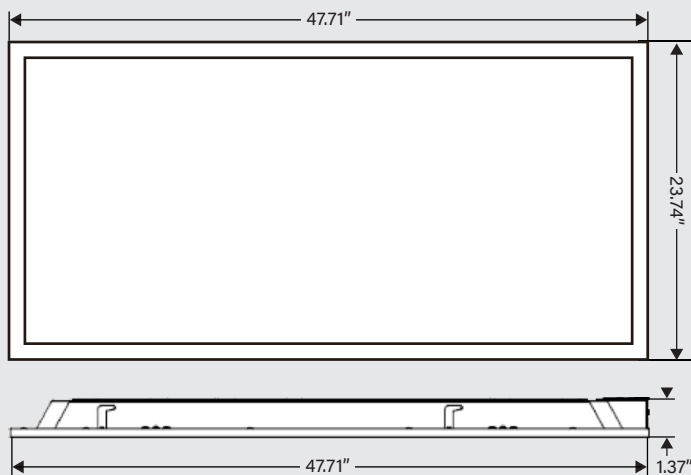
KT-BPLED40PS-14-8CSA-VDIM



KT-BPLED40PS-22-8CSA-VDIM



KT-BPLED50PS-24-8CSA-VDIM



WEIGHT INFORMATION

CATALOG NUMBER	1 Piece	1 Carton (Pack of 2)
KT-BPLED40PS-14-8CSA-VDIM	6.2 lbs	12.4 lbs
KT-BPLED40PS-22-8CSA-VDIM	6.2 lbs	12.4 lbs
KT-BPLED50PS-24-8CSA-VDIM	11.5 lbs	23 lbs

KT-BPLEDXXPS-XX-8CSA-VDIM /G3 /TAA

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 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-BPLEDXXPS-XX-8CSA-VDIM /G3 /TAA

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-14-KIT /G3	Emergency LED backup mounting bracket kit for 1'x4' Gen 3 backlit panel fixtures	843654128054	HHL-04
KT-BPLED-EM-22/4-KIT /G3	Emergency LED backup mounting bracket kit for 2'x2' and 2'x4' Gen 3 backlit panel fixtures	843654163253	MSJ-67
KT-BPLED-SM-14-KIT /G2	Surface Mount Kit 1x4 Backlit panels	843654134529	GAD-66
KT-BPLED-SM-22-KIT /G2	Surface Mount Kit 2x2 Backlit panels	843654134543	CGY-52
KT-BPLED-SM-24-KIT /G2	Surface Mount Kit 2x4 Backlit panels	843654134543	CGY-52



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



Emergency Backup Mounting Bracket
KT-BPLED-EM-14-KIT





KT-BPLEDXXPS-XX-8CSA-VDIM /G3 /TAA

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ORDERING INFORMATION

CATALOG NUMBER	CARTON QTY.	UPC	EASY CODE	DLC PRODUCT ID
KT-BPLED40PS-14-8CSA-VDIM /G3 /TAA	2	843654162324	VMF-40	S-7Y5J49
KT-BPLED40PS-22-8CSA-VDIM /G3 /TAA		843654162331	TQZ-54	S-GN75LL
KT-BPLED50PS-24-8CSA-VDIM /G3 /TAA		843654162348	TGS-07	S-VZ6L2P

CATALOG NUMBER BREAKDOWN

KT-BPLEDXXPS-XX-8CSA-VDIM /G3 /TAA

1	2	3	4	5	6	7	8	9	10	11
1 Keystone Technologies	2 Backlit Panel Light LED Fixture	3 Wattage	4 Power Select	5 Nominal Size	6 80 CRI	7 Color Select	8 3500, 4000 and 5000K Color Temp	9 0-10V Dimming	10 Generation 3	11 TAA Compliant
									14 1'x4'	
									22 2'x2'	
									24 2'x4'	
									11 TAA Compliant	
									/TAA	Made in Mexico

ORDERING EXAMPLES

FIXTURE WITH MULTIPLE FACTORY-INSTALLED ACCESSORIES*

KT-BPLED40PS-14-8CSA-VDIM /G3 /TAA /FC1-PIR/MC13/EM5/JBOX

FIXTURE WITH MULTIPLE FACTORY-INSTALLED ACCESSORIES*

KT-BPLED40PS-14-8CSA-VDIM /G3 /TAA /FC1-PIR/EM5/JBOX

FIXTURE WITH TWO FACTORY-INSTALLED ACCESSORIES*

KT-BPLED40PS-14-8CSA-VDIM /G3 /TAA /FC1-PIR/MC13

FIXTURE WITH SINGLE FACTORY-INSTALLED ACCESSORY

KT-BPLED40PS-14-8CSA-VDIM /G3 /TAA /FC1-PIR

FIXTURE WITH NO FACTORY-INSTALLED ACCESSORIES

KT-BPLED40PS-14-8CSA-VDIM /G3 /TAA

KEYSTONE FIXTURE

CATALOG NUMBER

KT-BPLED40PS-14-8CSA-VDIM /G3 /TAA

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-1

* 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.