



KT-BPLED20-22-8XX-VDIM-P /G2

BACK-LIT LED PANEL LIGHT

DESCRIPTION

2' x 2' Back-Lit LED Panel Light | 20W | 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
- Back-Lit 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

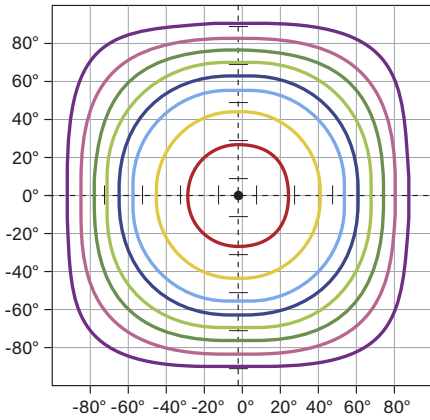
Catalog Number	Selectable Wattage	Selectable CCT	Lumens	Efficacy	Input Voltage	CRI	Power Factor	UGR	Lifetime
KT-BPLED20-22-835-VDIM-P /G2	20W	3500K	2,500	125 lm/W	120-277V	>80	>0.9	<19	50,000hrs
KT-BPLED20-22-840-VDIM-P /G2	20W	4000K	2,500	125 lm/W	120-277V	>80	>0.9	<19	50,000hrs
KT-BPLED20-22-850-VDIM-P /G2	20W	5000K	2,500	135 lm/W	120-277V	>80	>0.9	<19	50,000hrs

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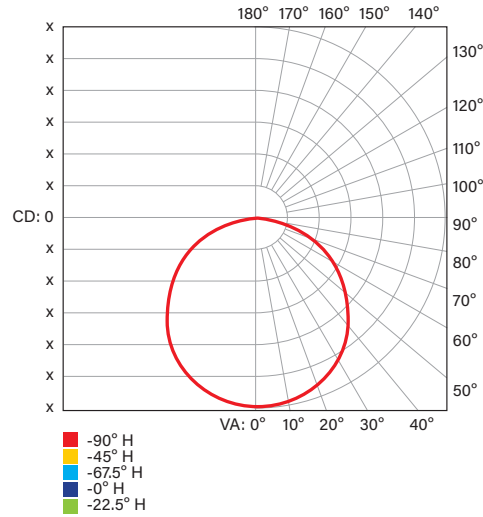
PHOTOMETRIC SPECIFICATIONS (KT-BPLED20-22-8XX-VDIM-P /G2)

ISOCANDELA PLOT



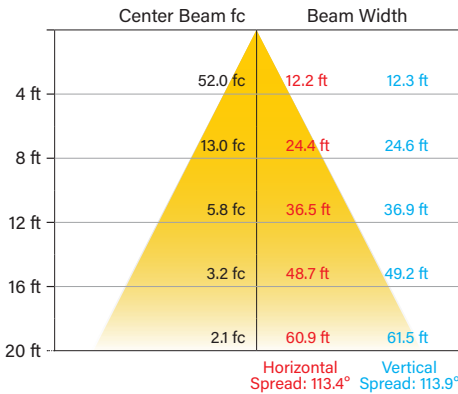
- Cd: 749, 90%
 - Cd: 624, 75%
 - Cd: 499, 60%
 - Cd: 416, 50%
 - Cd: 333, 40%
 - Cd: 250, 30%
 - Cd: 166, 20%
 - Cd: 83, 10%
- Point of Max Cd: 831.7

POLAR CANDELA DISTRIBUTION



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

ILLUMINANCE AT A DISTANCE



ZONAL LUMEN SUMMARY

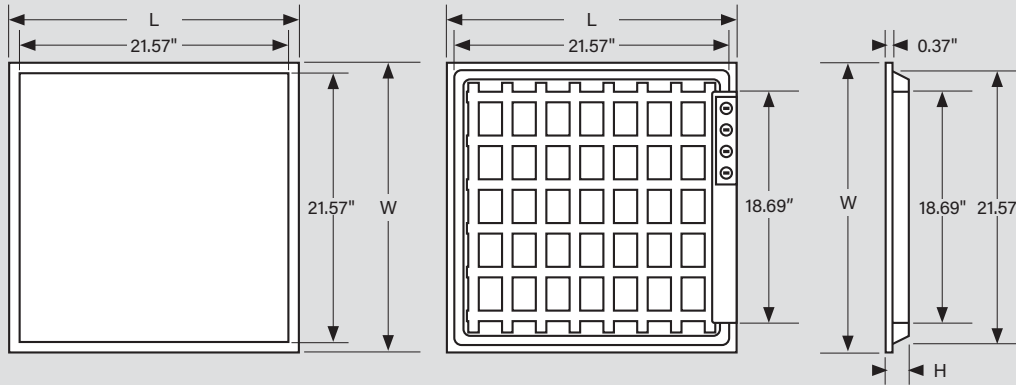
Zone	Lumens	% Luminaire
0-30	647.9	26.8%
0-40	1,063.5	44%
0-60	1,889.9	78.2%
60-90	527.1	21.8%
70-100	224.7	9.3%
90-120	0.0	0%
0-90	2,417.0	100%
90-180	0.2	0%
0-180	2,417.2	100%

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PHYSICAL SPECIFICATIONS

KT-BPLED20-22-8XX-VDIM-P /G2

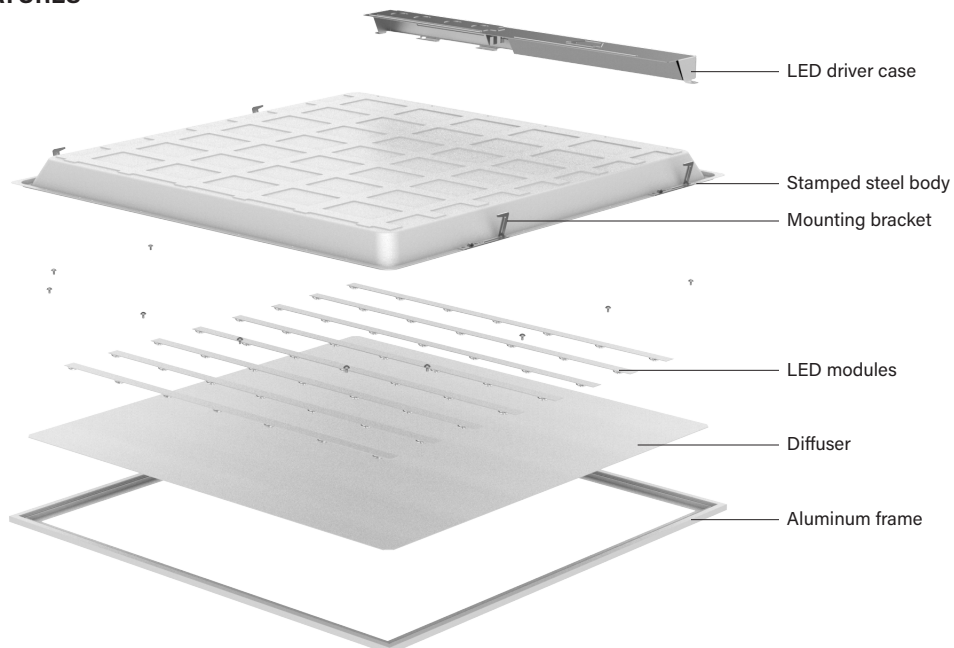


KT-BPLED30-14-8XX-VDIM-P /G2	
L (Length)	23.74"
W (Width)	23.74"
H (Height)	1.37"

WEIGHT

Catalog Number	Fixture Weight	Carton Weight
KT-BPLED20-22-8XX-VDIM-P /G2	6.20 lbs	12.40 lbs

EXPLODED VIEW CONSTRUCTION FEATURES



KT-BPLED20-22-8XX-VDIM-P /G2

BACK-LIT 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)

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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

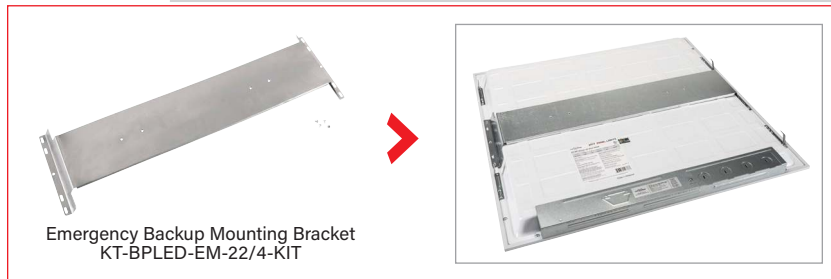


* For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).

† 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-BPLED20-22-8XX-VDIM-P /G2

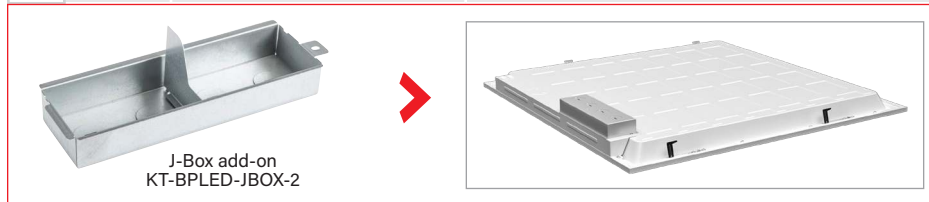
BACKLIT LED PANEL LIGHT

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)

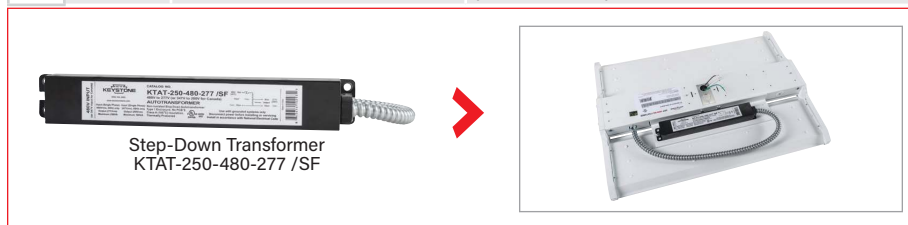
Catalog Number	Description	UPC	Easy Code
KT-BPLED-SM-24-KIT /G2	Surface Mount kit for 2 x 4 backlit panels	843654134543	CGY-52



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).



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ORDERING INFORMATION

Catalog Number	Carton QTY	UPC	Easy Code
KT-BPLED20-22-835-VDIM-P /G2	2	843654146713	KOV-96
KT-BPLED20-22-840-VDIM-P /G2	2	843654146720	EZY-98
KT-BPLED20-22-850-VDIM-P /G2	2	843654146737	HZH-36

CATALOG NUMBER BREAKDOWN

KT-BPLED20-22-8XX-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 2' 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-BPLED20-22-840-VDIM-P /G2/FC1-PIR/MC13/EM5/JBOX

FIXTURE WITH MULTIPLE FACTORY-INSTALLED ACCESSORIES*

KT-BPLED20-22-840-VDIM-P /G2/FC1-PIR/EM5/JBOX/480

FIXTURE WITH TWO FACTORY-INSTALLED ACCESSORIES*

KT-BPLED20-22-840-VDIM-P /G2/FC1-PIR/JBOX

FIXTURE WITH SINGLE FACTORY-INSTALLED ACCESSORY

KT-BPLED20-22-840-VDIM-P /G2/FC1-PIR

FIXTURE WITH NO FACTORY-INSTALLED ACCESSORIES

KT-BPLED20-22-840-VDIM-P

KEYSTONE FIXTURE	
SUFFIX	Catalog Number
	KT-BPLED20-22-840-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

* 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).