

KT-BPLEDXXPS-XXD-8CSA-VDIM

BACKLIT LED PANEL LIGHT

DESCRIPTION

LED Panel | 3500/4000/5000K | 120-277V input
0-10V dimming | Contractor Prime



5 YEAR
WARRANTY

PRODUCT FEATURES

- Keystone Power Select technology (see *Performance Specifications* for details)
- Keystone Color Select technology (3500/4000/5000K)
- Welded Steel frame with precision laser welded corners and satin white powder coating
- 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
- UL Certified for Dry/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 temp range -20°C/-4°F to 40°C/104°F
- IC Rated
- LED chip lifetime: L70 >100,000 hours @ 25°C/77°F ambient fixture temperature

PERFORMANCE SPECIFICATIONS OVERVIEW

Catalog Number	Nominal Size	Preset Wattage	Preset CCT	Lumens	Efficacy	Input Voltage	Dimmable	CRI
KT-BPLED45PS-24D-8CSA-VDIM	2' x 4'	45W	5000K	5,500	122 lm/W	120-277V	0-10V	>80
KT-BPLED35PS-22D-8CSA-VDIM	2' x 2'	35W		4,300	122 lm/W			
KT-BPLED35PS-14D-8CSA-VDIM	1' x 4'	35W		4,690	134 lm/W			

* Preset to (5000K)

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

KEY FEATURES

KEYSTONE COLOR SELECT TECHNOLOGY

Adjust CCT between 3500K, 4000K, or 5000K



KEYSTONE POWER SELECT TECHNOLOGY

Adjust power between 45W, 35W, or 30W

KT-BPLEDXXPS-XXD-8CSA-VDIM

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PERFORMANCE SPECIFICATIONS DETAILED

Catalog Number	Nominal Size	Selectable Wattage	Selectable CCT	Lumens	Efficacy	Input Voltage	Dimmable	CRI
KT-BPLED45PS-24D-8CSA-VDIM	2' x 4'	45W	3500K	5,400	120 lm/W	120-277V	0-10V	>80
			4000K	6,075	135 lm/W			
			5000K	5,500	122 lm/W			
		35W	3500K	4,270	122 lm/W			
			4000K	4,795	137 lm/W			
			5000K	4,340	124 lm/W			
		30W	3500K	3,810	127 lm/W			
			4000K	4,260	142 lm/W			
			5000K	3,870	129 lm/W			
KT-BPLED35PS-22D-8CSA-VDIM	2' x 2'	35W	3500K	4,200	120 lm/W	120-277V	0-10V	>80
			4000K	4,725	135 lm/W			
			5000K	4,300	122 lm/W			
		30W	3500K	3,660	122 lm/W			
			4000K	4,110	137 lm/W			
			5000K	3,810	124 lm/W			
		20W	3500K	2,540	127 lm/W			
			4000K	2,840	142 lm/W			
			5000K	2,580	129 lm/W			
KT-BPLED35PS-14D-8CSA-VDIM	1' x 4'	35W	3500K	4,620	132 lm/W	120-277V	0-10V	>80
			4000K	5,040	144 lm/W			
			5000K	4,690	134 lm/W			
		30W	3500K	4,020	134 lm/W			
			4000K	4,320	144 lm/W			
			5000K	4,080	136 lm/W			
		20W	3500K	2,780	139 lm/W			
			4000K	2,980	149 lm/W			
			5000K	2,820	141 lm/W			

* Preset to (5000K)

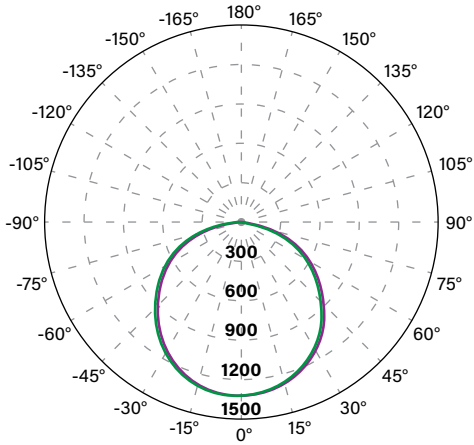
* Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017.

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BACKLIT LED PANEL LIGHT

PHOTOMETRIC SPECIFICATIONS (KT-BPLED35PS-14D-8CSA-VDIM)

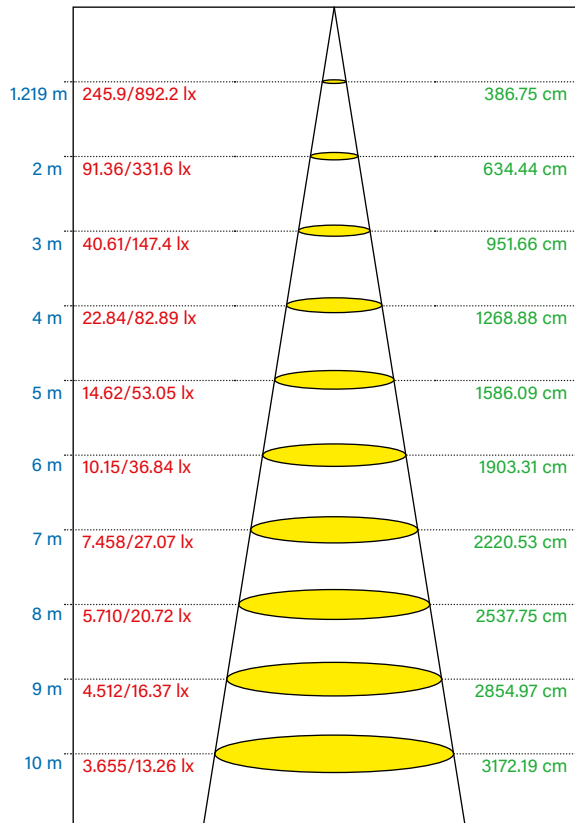
POLAR CANDELA DISTRIBUTION



Average beam angle (50%): **115.9°** **1 Violet** C0/180, 115.5
Unit: **cd** **2 Green** C90/270, 116.3

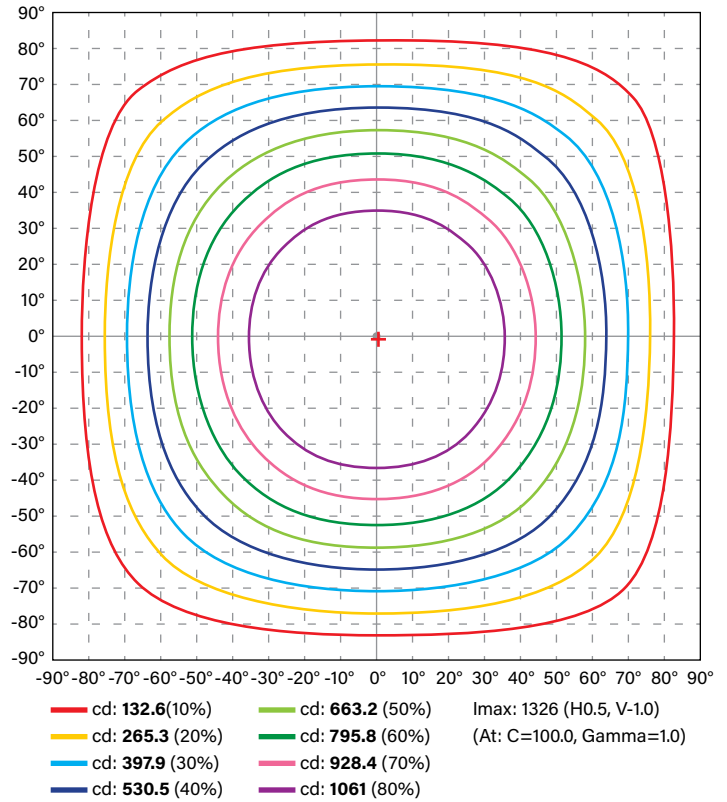
FLUX CHART

Flux Out: 2940 lm



Height **Eavg/Emax** Angle: **115.54°** Diameter

ISOCANDELA PLOT



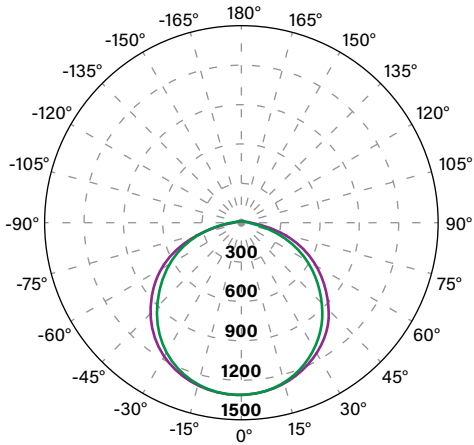
(Photometric Specifications continued on next page)

KT-BPLEDXXPS-XXD-8CSA-VDIM

BACKLIT LED PANEL LIGHT

PHOTOMETRIC SPECIFICATIONS (KT-BPLED35PS-22D-8CSA-VDIM)

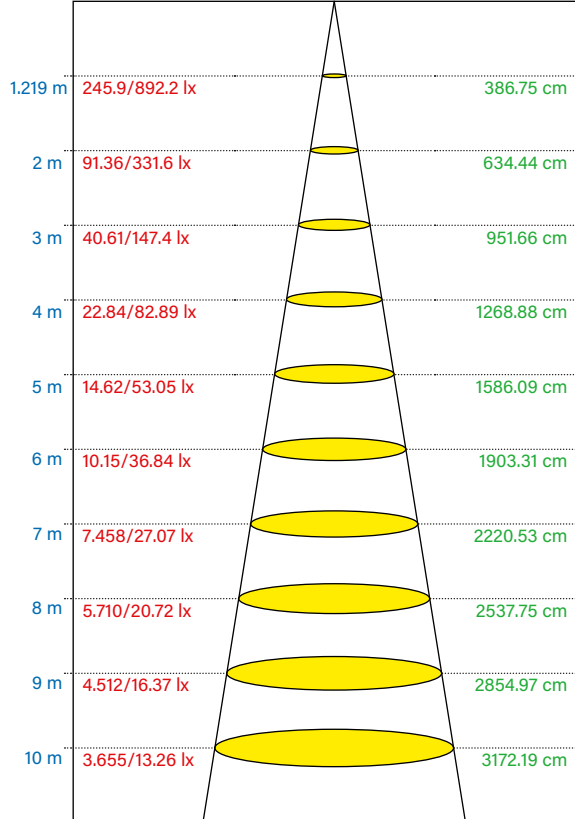
POLAR CANDELA DISTRIBUTION



Average beam angle (50%): **117.8°** **1 Violet** C0/180, 121.4
Unit: **cd** **2 Green** C90/270, 114.2

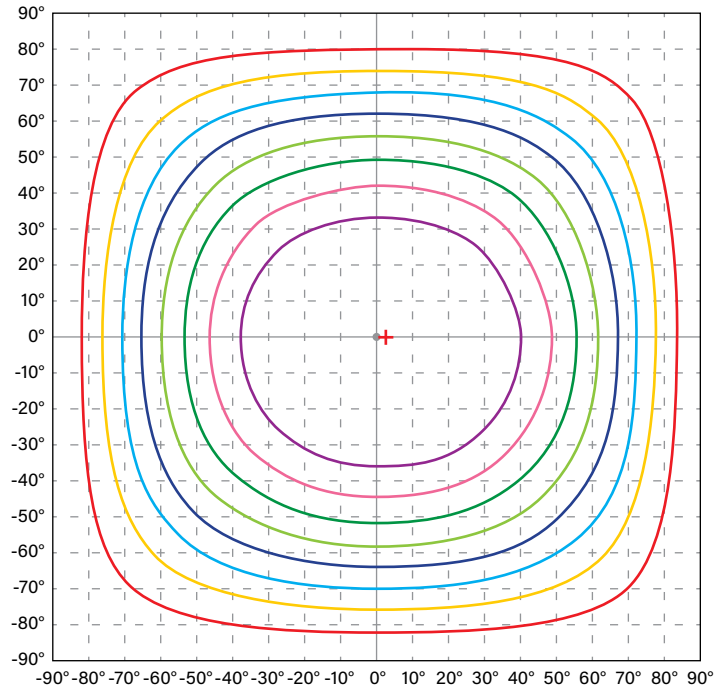
FLUX CHART

Flux Out: 2940 lm



Height **Eavg/Emax** Angle: **115.54°** Diameter

ISOCANDELA PLOT



— cd: **132.3** (10%) — cd: **661.7** (50%) Imax: 1306 (H1.0, V0.0)
— cd: **264.7** (20%) — cd: **794.1** (60%) (At: C=100.0, Gamma=1.0)
— cd: **397.0** (30%) — cd: **926.4** (70%)
— cd: **529.4** (40%) — cd: **1059** (80%)

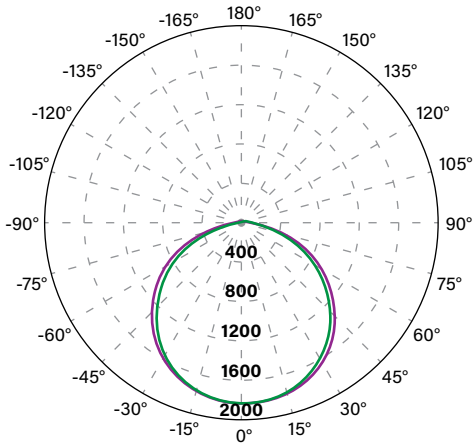
(Photometric Specifications continued on next page)

KT-BPLEDXXPS-XXD-8CSA-VDIM

BACKLIT LED PANEL LIGHT

PHOTOMETRIC SPECIFICATIONS (KT-BPLED45PS-24D-8CSA-VDIM)

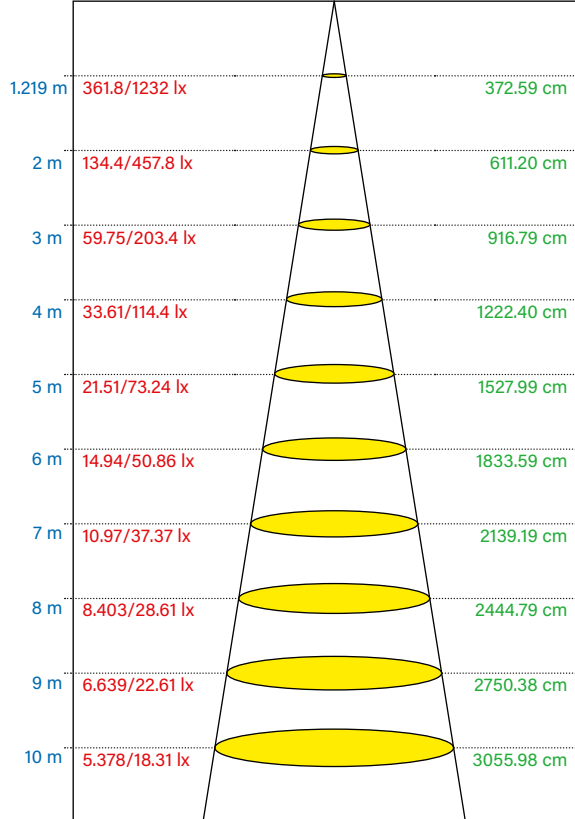
POLAR CANDELA DISTRIBUTION



Average beam angle (50%): **116.5°** **1 Violet** C0/180, 119.4
Unit: **cd** **2 Green** C90/270, 113.6

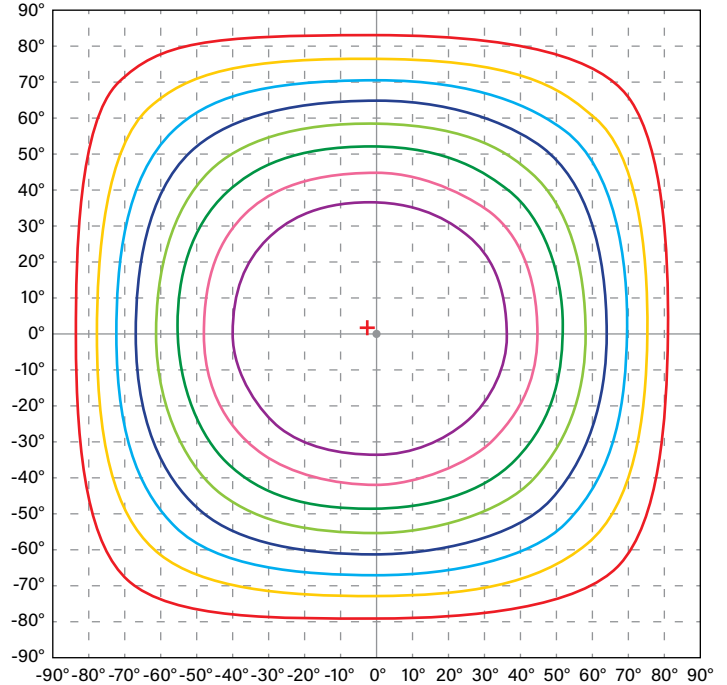
FLUX CHART

Flux Out: 4006 lm



Height **Eavg/Emax** Angle: **115.54°** Diameter

ISOCANDELA PLOT



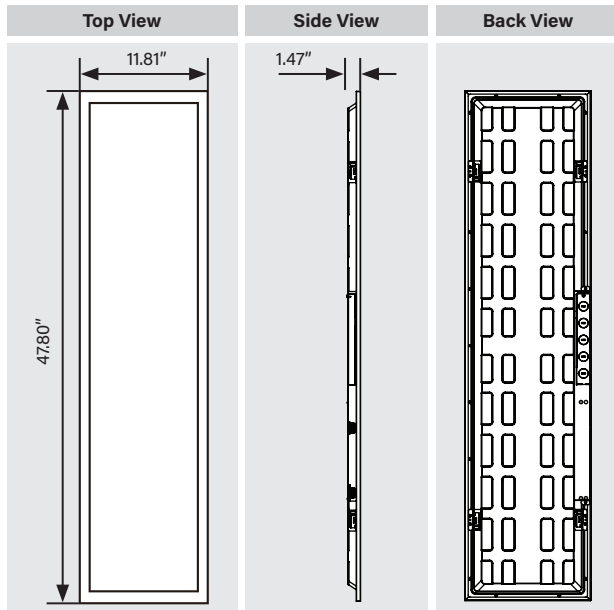
cd: **183.3** (10%) **916.3** (50%) **1833** (H-2.5, V1.5)
cd: **366.5** (20%) **1100** (60%) (At: C=210.0, Gamma=3.0)
cd: **549.8** (30%) **1283** (70%)
cd: **733.0** (40%) **1466** (80%)

KT-BPLEDXXPS-XXD-8CSA-VDIM

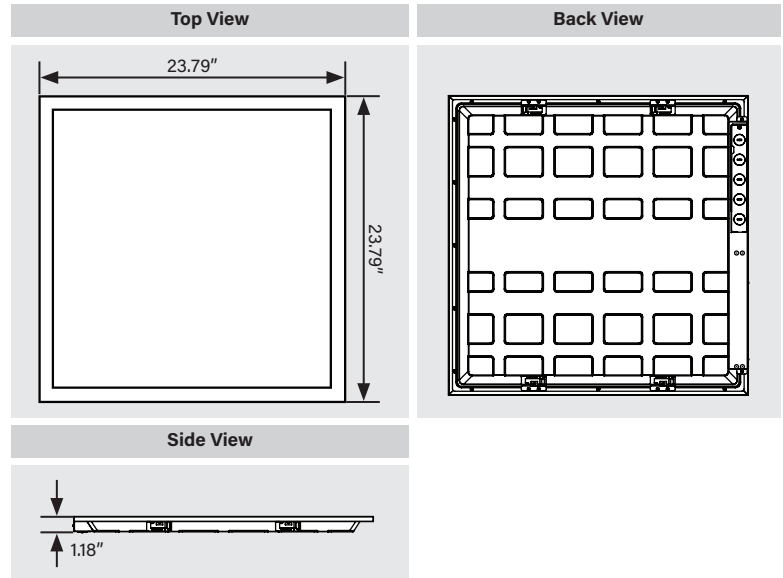
BACKLIT LED PANEL LIGHT

PHYSICAL SPECIFICATIONS

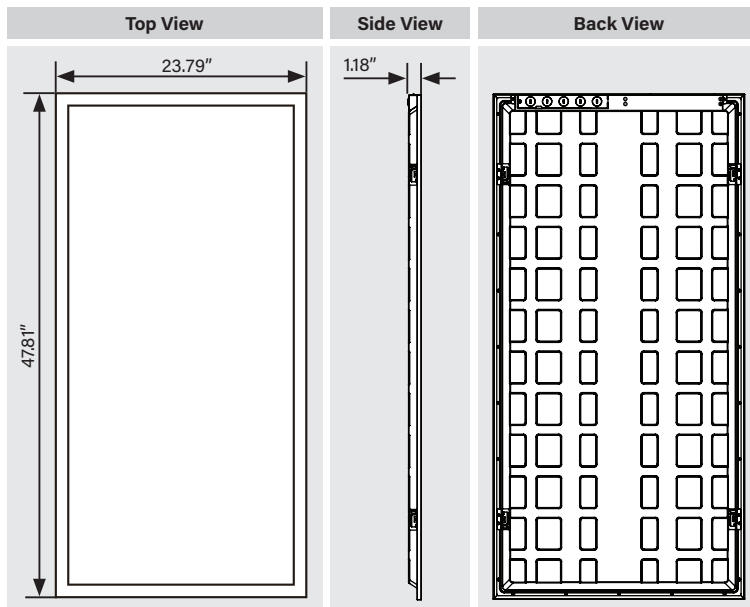
KT-BPLED35PS-14D-8CSA-VDIM

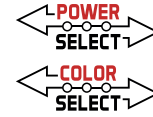


KT-BPLED35PS-22D-8CSA-VDIM



KT-BPLED45PS-24D-8CSA-VDIM





KT-BPLEDXXPS-XXD-8CSA-VDIM

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 mountable daylight and PIR motion sensor. 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>.

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-XXD-8CSA-VDIM

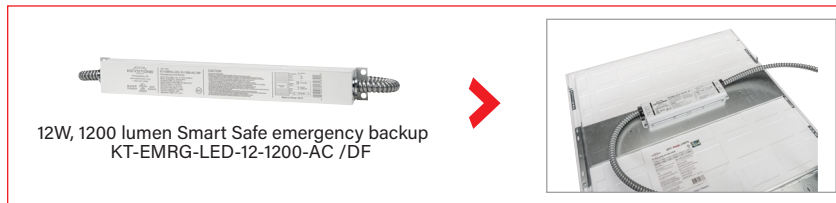
BACKLIT LED PANEL LIGHT

ACCESSORIES (CONTINUED)

EMERGENCY BACKUPS

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

✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	/EM12†	KT-EMRG-LED-12-1200-AC /DF	12W, 1200 lumen Smart Safe emergency backup with dual flex cables	843654139890	MPM-43



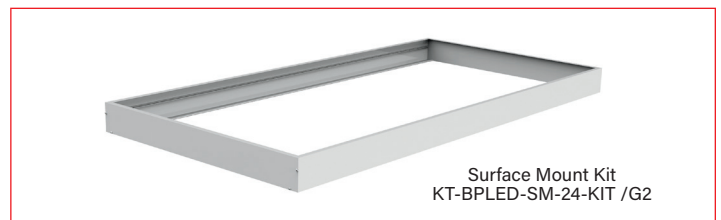
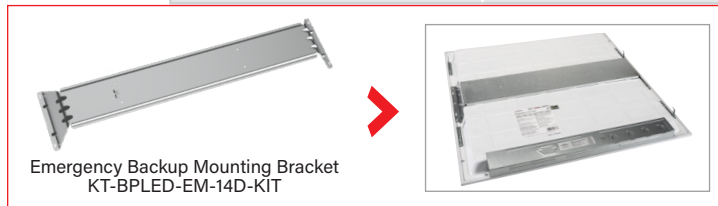
* For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).

† Factory installation of emergency backup units will automatically include any relevant mounting bracket.

MOUNTS/BRACKETS

Field-Installable / Field-Use ONLY (purchased separately)

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KT-BPLED-EM-14D-KIT	Emergency LED backup mounting bracket kit for backlit panel fixtures	843654174259	SAO-71
KT-BPLED-SM-22-KIT /G2	Surface Mount Kit 2x2 Backlit panels	843654134536	MUZ-60
KT-BPLED-SM-24-KIT /G2	Surface Mount Kit 2x4 Backlit panels	843654134543	CGY-52
KT-BPLED-JBOX-4	Larger J-Box add-on for D style form factor LED backlit Panels	843654166940	KSS-95



KT-BPLEDXXPS-XXD-8CSA-VDIM

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ORDERING INFORMATION

CATALOG NUMBER	CARTON QTY.	EASY CODE	UPC	DLC PRODUCT ID
KT-BPLED35PS-14D-8CSA-VDIM	2	PHY-60	843654174235	TBD
KT-BPLED35PS-22D-8CSA-VDIM	2	DFL-91	843654172392	TBD
KT-BPLED45PS-24D-8CSA-VDIM	2	RBV-27	843654172408	TBD

CATALOG NUMBER BREAKDOWN

KT-BPLEDXXPS-XXD-8CSA-VDIM

1 2 3 4 5 6 7 8 9 10

- 1 Keystone Technologies
- 2 Backlit Panel Light LED Fixture
- 3 Wattage
- 4 Power Select
- 5 Nominal Size
- 6 Construction Designation
- 7 80 CRI
- 8 Color Select
- 9 Color Select Designation
- 10 0-10V Dimming

5 Nominal Size

14	1' x 4'
22	2' x 2'
24	2' x 4'

9 Color Select

A	3500/4000/5000K
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ORDERING EXAMPLES

FIXTURE WITH MULTIPLE FACTORY-INSTALLED ACCESSORIES*

KT-BPLED35PS-22D-8CSA-VDIM /PIR/MC13/EM5

FIXTURE WITH TWO FACTORY-INSTALLED ACCESSORIES*

KT-BPLED35PS-22D-8CSA-VDIM /PIR/EM5

FIXTURE WITH SINGLE FACTORY-INSTALLED ACCESSORY

KT-BPLED35PS-22D-8CSA-VDIM /MC13

FIXTURE WITH NO FACTORY-INSTALLED ACCESSORIES

KT-BPLED35PS-22D-8CSA-VDIM

KEYSTONE FIXTURE

CATALOG NUMBER
KT-BPLED35PS-22D-8CSA-VDIM

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

* 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.