

KT-ALEDXXXPS-X2-OSB-PMA-8CSB-VDIM-P-X/G2

POLE-MOUNTED LED AREA LIGHT PREMIUM PACKAGE

DESCRIPTION

Power and Color Select Area Light with Optic Swap | 120-277V Input
Bronze or White Housing | Adjustable Pole Mount Kit Included

APPLICATION

Pole-mount illumination needs (including parking lots, auto dealerships, pathways, roadways, recreational venues, and other general area lighting requirements)



10 YEAR
LIMITED WARRANTY

PRODUCT FEATURES

- Keystone Power Select technology (see *Performance Specifications* for details)
- Keystone Color Select technology (3000/4000/5000K)
- Innovative optic swap capability under door frame and latch design for quick, tool-free lens change
- Three lenses in the box: Type III installed, Types IV and V included
- Type II lens sold separately. See below for details
- Heavy-duty, die-cast aluminum housing with ample heat sinking
- Low-profile design delivers high-performance illumination and improves application site aesthetics
- True U0 design that eliminates undesirable sky glow
- Integrated NEMA/ANSI C136.10 7-pin twist-lock receptacle with 3-pin photocell and shorting cap. Standard on all fixtures, simplifies ordering requirements for photo control needs
- Comes with a pre-installed adjustable pole mount kit for easy and quick mounting to square or round poles. Can be used with KT-ALED-WM-1-KIT, wall mount adaptor (sold separately)
- Keystone 0-10V dimming driver with 6kV surge protection
- Ambient operating temperature: -40°C/-40°F to 50°C/122°F
- UL Certified, IP65 rated
- Power factor: > 0.95
- THD: < 20%
- LED chip lifetime: L70 > 100,000 hrs @ 25°C/77°F ambient fixture temperature
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions

PERFORMANCE SPECIFICATIONS

Catalog No.	Selectable Wattage	Selectable CCT	Lumens	Efficacy	Input Voltage	Dimming	CRI	Distribution Pattern*	Photocell Included	Housing Color**	Rated Life
KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P/G2 KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P-W/G2	140W	3000K	19,000	136 lm/W	120-277V	0-10V	> 80	Type III Installed, Types IV and V Included	Yes	Bronze or White Available	50,000 hrs
		4000K	19,910	142 lm/W							
		5000K	19,600	140 lm/W							
	100W	3000K	14,060	141 lm/W							
		4000K	15,170	152 lm/W							
		5000K	14,790	148 lm/W							
	70W	3000K	10,220	146 lm/W							
		4000K	10,880	155 lm/W							
		5000K	10,730	153 lm/W							
KT-ALED290PS-L2-OSB-PMA-8CSB-VDIM-P/G2	290W	3000K	39,270	135 lm/W	Type II Available, Sold Separately		Bronze				
		4000K	40,650	140 lm/W							
		5000K	39,960	138 lm/W							
	210W	3000K	30,450	145 lm/W							
		4000K	31,050	148 lm/W							
		5000K	30,860	147 lm/W							
	185W	3000K	27,030	146 lm/W							
		4000K	27,620	149 lm/W							
		5000K	27,540	149 lm/W							

* For more information, see *Accessories* page below or contact Keystone with questions.

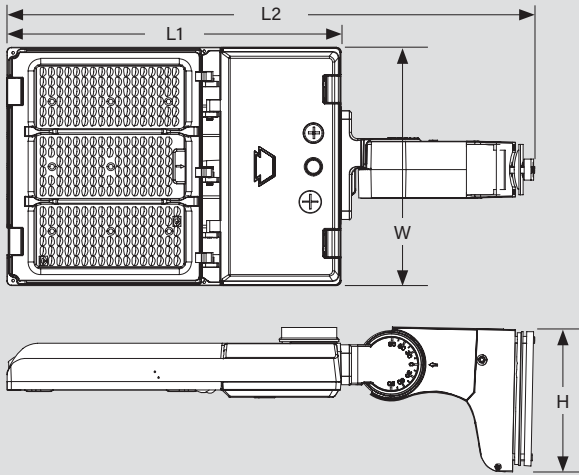
** Fixtures and mounts with alternate housing colors are available and made to order. Extended lead times apply. Please see catalog number breakdown for full ordering code details.

KT-ALEDXXXPS-X2-OSB-PMA-8CSB-VDIM-P-X/G2

POLE-MOUNTED LED AREA LIGHT PREMIUM PACKAGE

PHYSICAL SPECIFICATIONS

POLE-MOUNT LED AREA LIGHT FIXTURE



FIXTURE DIMENSIONS

Catalog Number	L1 (Length 1)	W (Width)
KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P/G2 KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P-W/G2	15.71"	11.18"
KT-ALED290PS-L2-OSB-PMA-8CSB-VDIM-P/G2	19.72"	13.98"

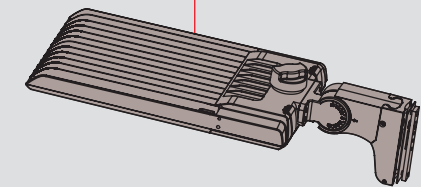
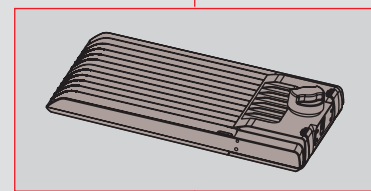
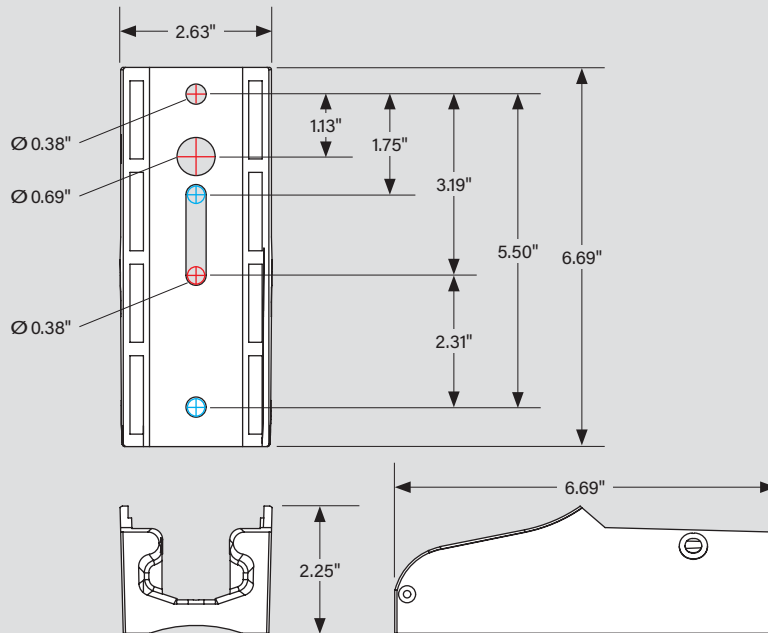
FIXTURE DIMENSIONS (WITH POLE MOUNT)

Catalog Number	L2 (Length 2)	H (Height)
KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P/G2 KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P-W/G2	24.76"	6.77"
KT-ALED290PS-L2-OSB-PMA-8CSB-VDIM-P/G2	28.78"	6.77"

PACKAGING DIMENSIONS

Catalog Number	Carton Dimensions	Carton Weight
KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P/G2 KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P-W/G2	5.63" x 13.15" x 26.57"	17.68 lbs
KT-ALED290PS-L2-OSB-PMA-8CSB-VDIM-P/G2	5.63" x 15.95" x 30.91"	23.85 lbs

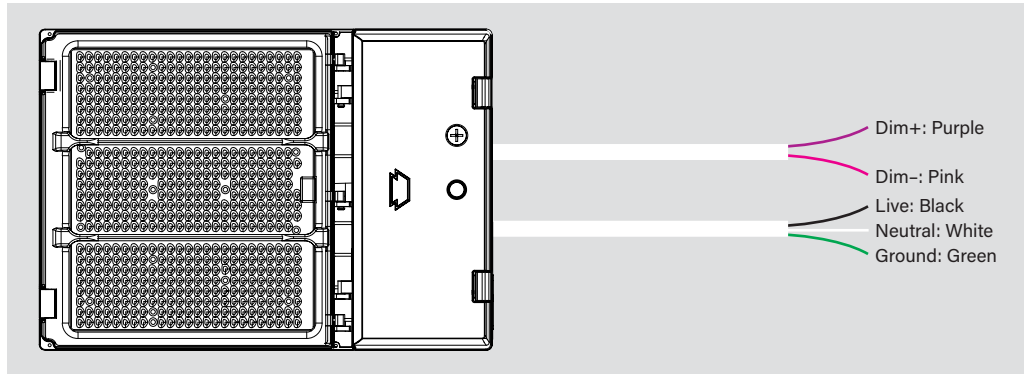
ADJUSTABLE POLE MOUNT KIT DRILLING HOLES



KT-ALEDXXXPS-X2-OSB-PMA-8CSB-VDIM-P-X/G2

POLE-MOUNTED LED AREA LIGHT PREMIUM PACKAGE

WIRING DIAGRAM



- This fixture comes pre-wired with a 7-pin twist-lock receptacle with shorting cap.
- Make input connections as needed and ensure connections are protected from exposure to the elements.
- **Input voltage rating: 120-277V**
- Ensure that input voltage on site matches the fixture you intend to install.

POWER SELECT (WATTAGE) AND COLOR SELECT (CCT) ADJUSTMENT

This fixture is equipped with field-adjustable Keystone Power Select and Color Select technology.

1. Turn off power to the fixture.
2. Remove the knockout (KO) on the left side of the fixture.
3. Adjust the wattage and CCT dip switches to desired settings.
4. Add the KO back to the fixture, and restore power.

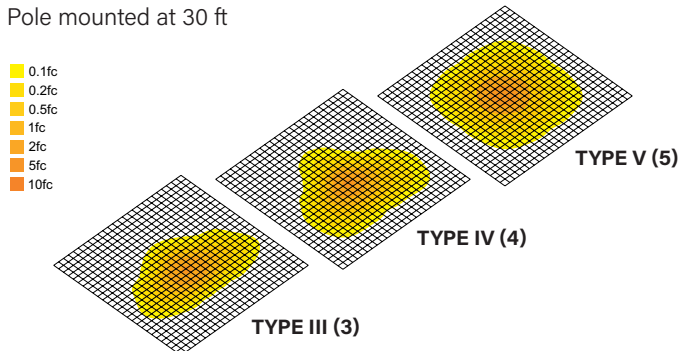


LIGHT DISTRIBUTION PATTERN

Photometric layouts for general reference only. Each square is 10 ft x 10 ft

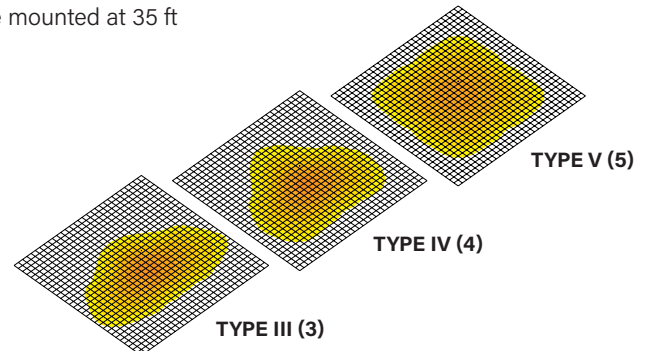
KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P-X/G2

Pole mounted at 30 ft



KT-ALED290PS-L2-OSB-PMA-8CSB-VDIM-P/G2

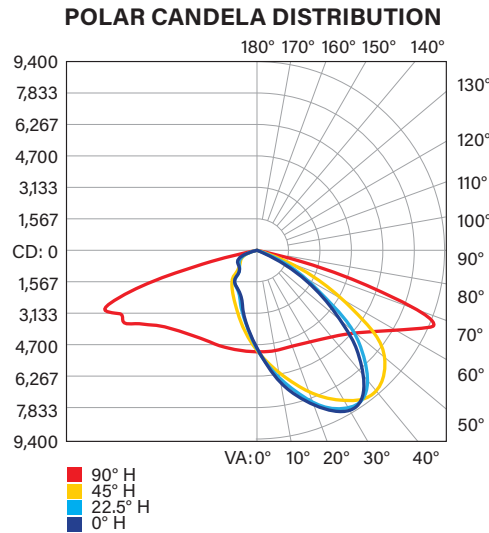
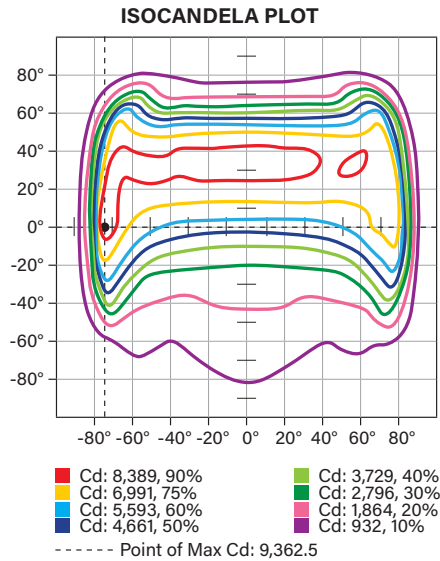
Pole mounted at 35 ft



KT-ALEDXXXPS-X2-OSB-PMA-8CSB-VDIM-P-X/G2

POLE-MOUNTED LED AREA LIGHT PREMIUM PACKAGE

PHOTOMETRIC SPECIFICATIONS KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P-X/G2 (TYPE II [2])



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Forward Light	14,601.5 lm	71.2%
0°-30°	2,934.7 lm	14.3%
30°-60°	8,207.8 lm	40.1%
60°-80°	3,329.0 lm	16.2%
80°-90°	130.0 lm	0.6%
Back Light	5,890.1 lm	28.8%
0°-30°	1,444.7 lm	7.1%
30°-60°	2,718.1 lm	13.3%
60°-80°	1,623.5 lm	7.9%
80°-90°	103.8 lm	0.5%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%

BUG* Rating

Asymmetrical Luminaire Types

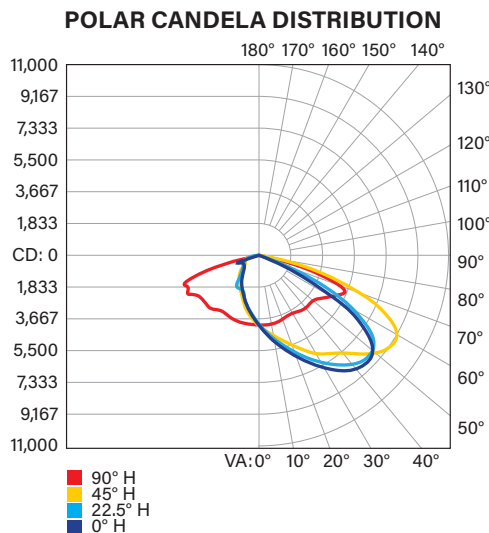
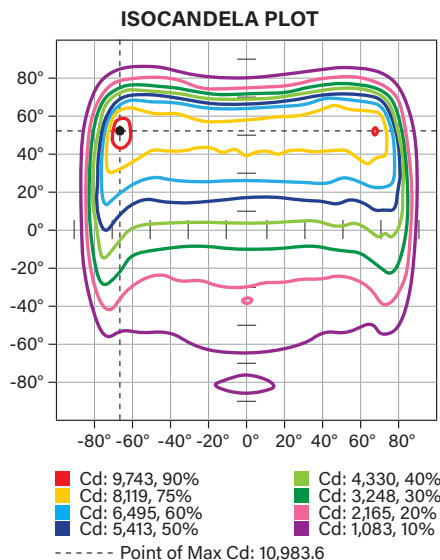
Type I, II, III, IV B3-U0-G3

Quadrilateral Symmetrical Luminaire Types

Type V, Area Light B3-U0-G3

* Backlight, Uplight, Glare

PHOTOMETRIC SPECIFICATIONS KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P-X/G2 (TYPE III [3])



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Forward Light	15,584.9 lm	76.3%
0°-30°	2,208.6 lm	10.8%
30°-60°	8,224.9 lm	40.3%
60°-80°	4,921.9 lm	24.1%
80°-90°	229.5 lm	1.1%
Back Light	4,848.1 lm	23.7%
0°-30°	1,229.1 lm	6.0%
30°-60°	2,265.2 lm	11.1%
60°-80°	1,236.0 lm	6.0%
80°-90°	117.8 lm	0.6%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%

BUG* Rating

Asymmetrical Luminaire Types

Type I, II, III, IV B3-U0-G3

Quadrilateral Symmetrical Luminaire Types

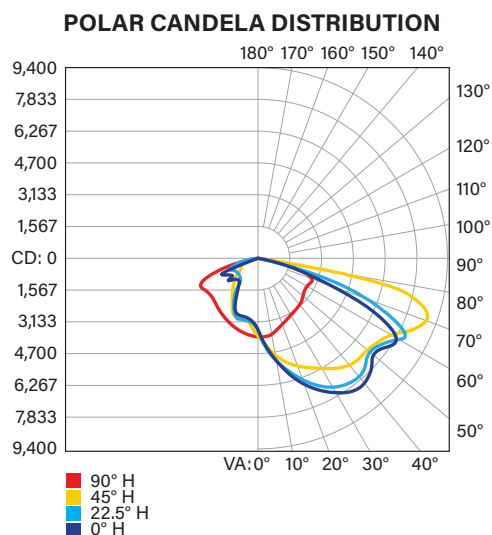
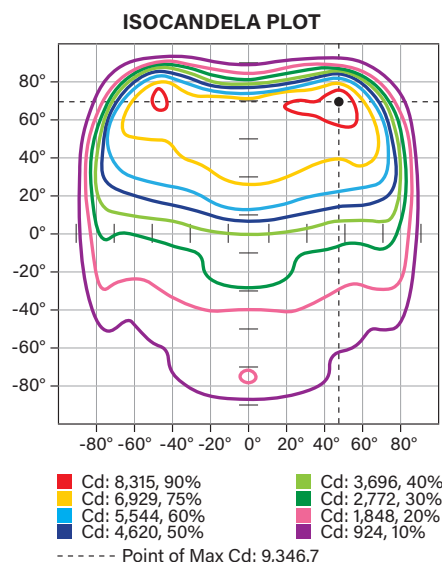
Type V, Area Light B3-U0-G3

* Backlight, Uplight, Glare

KT-ALEDXXXPS-X2-OSB-PMA-8CSB-VDIM-P-X/G2

POLE-MOUNTED LED AREA LIGHT PREMIUM PACKAGE

PHOTOMETRIC SPECIFICATIONS KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P-X/G2 (TYPE IV [4])



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Forward Light	15,829.0 lm	77.3%
0°-30°	2,224.9 lm	10.9%
30°-60°	7,370.9 lm	36.0%
60°-80°	5,828.9 lm	28.4%
80°-90°	404.3 lm	2.0%
Back Light	4,661.5 lm	22.7%
0°-30°	1,254.8 lm	6.1%
30°-60°	2,149.4 lm	10.5%
60°-80°	1,171.6 lm	5.7%
80°-90°	85.7 lm	0.4%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%

BUG* Rating

Asymmetrical Luminaire Types

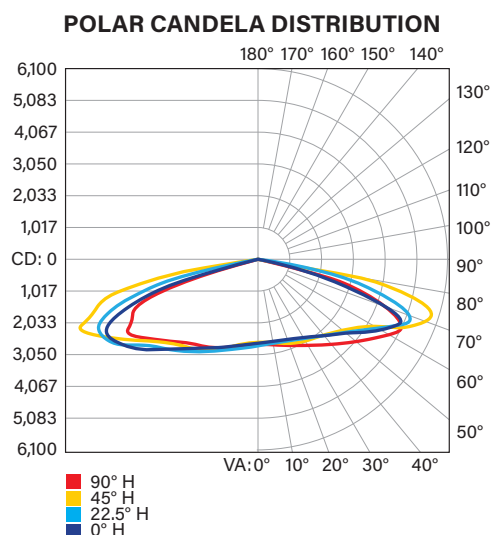
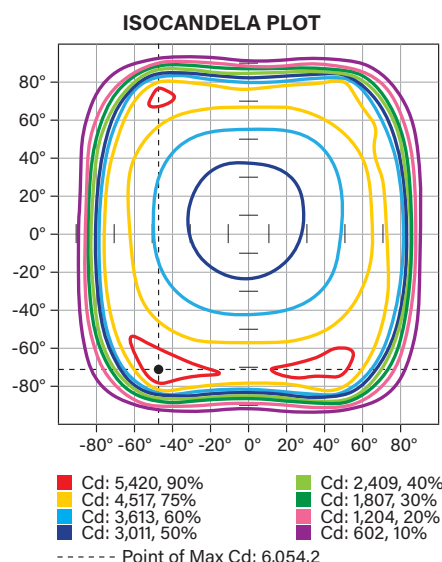
Type I, II, III, IV B3-U0-G3

Quadrilateral Symmetrical Luminaire Types

Type V, Area Light B3-U0-G3

* Backlight, Uplight, Glare

PHOTOMETRIC SPECIFICATIONS KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P-X/G2 (TYPE V [5])



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Forward Light	9,819.6 lm	48.0%
0°-30°	1,178.4 lm	5.8%
30°-60°	4,073.5 lm	19.9%
60°-80°	4,259.7 lm	20.8%
80°-90°	308.0 lm	1.5%
Back Light	10,670.4 lm	52.0%
0°-30°	1,250.2 lm	6.1%
30°-60°	4,598.3 lm	22.4%
60°-80°	4,516.5 lm	22.0%
80°-90°	305.4 lm	1.5%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%

BUG* Rating

Asymmetrical Luminaire Types

Type I, II, III, IV B4-U0-G3

Quadrilateral Symmetrical Luminaire Types

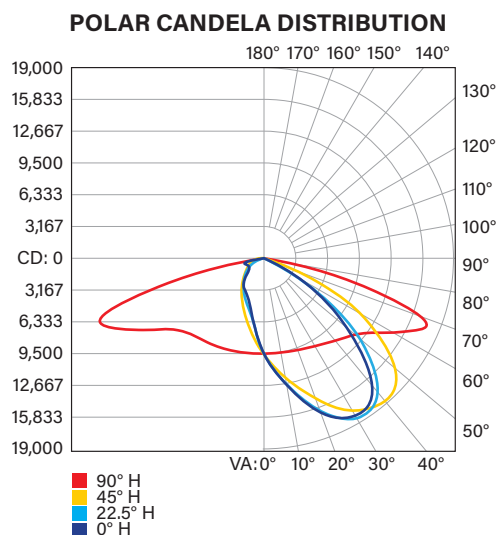
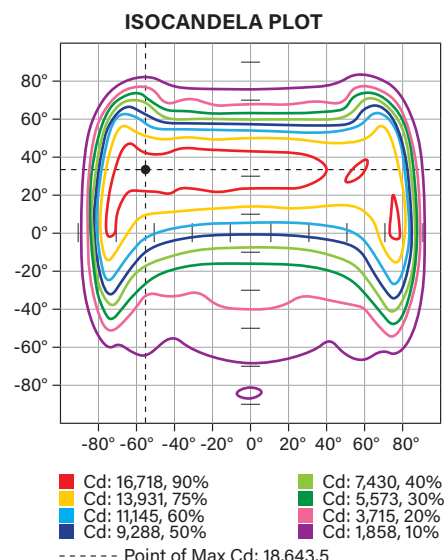
Type V, Area Light B4-U0-G3

* Backlight, Uplight, Glare

KT-ALEDXXXPS-X2-OSB-PMA-8CSB-VDIM-P-X/G2

POLE-MOUNTED LED AREA LIGHT PREMIUM PACKAGE

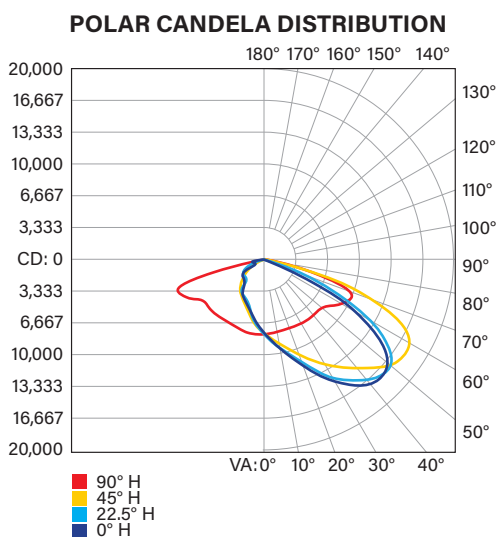
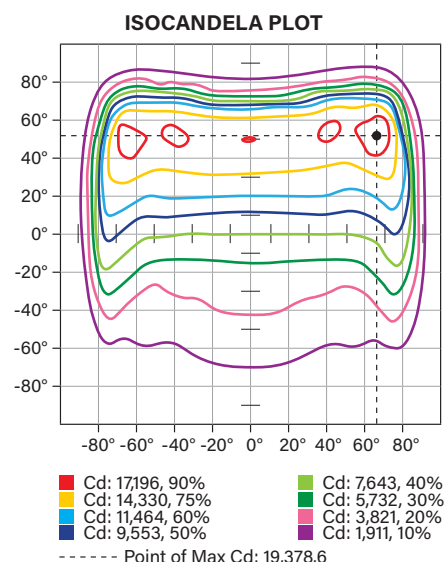
PHOTOMETRIC SPECIFICATIONS KT-ALED290PS-L2-OSB-PMA-8CSB-VDIM-P/G2 (TYPE II [2])



ZONAL LUMEN SUMMARY		
Zone	Lumens	% Luminaire
Forward Light	29,665.5 lm	72.9%
0°-30°	5,830.3 lm	14.3%
30°-60°	16,531.7 lm	40.6%
60°-80°	6,989.2 lm	17.2%
80°-90°	314.3 lm	0.8%
Back Light	11,087.3 lm	27.1%
0°-30°	2,646.2 lm	6.5%
30°-60°	4,990.5 lm	12.2%
60°-80°	3,185.8 lm	7.8%
80°-90°	264.8 lm	0.6%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%
BUG* Rating		
Asymmetrical Luminaire Types		
Type I, II, III, IV		B4-U0-G4
Quadrilateral Symmetrical Luminaire Types		
Type V, Area Light		B4-U0-G4

* Backlight, Uplight, Glare

PHOTOMETRIC SPECIFICATIONS KT-ALED290PS-L2-OSB-PMA-8CSB-VDIM-P/G2 (TYPE III [3])



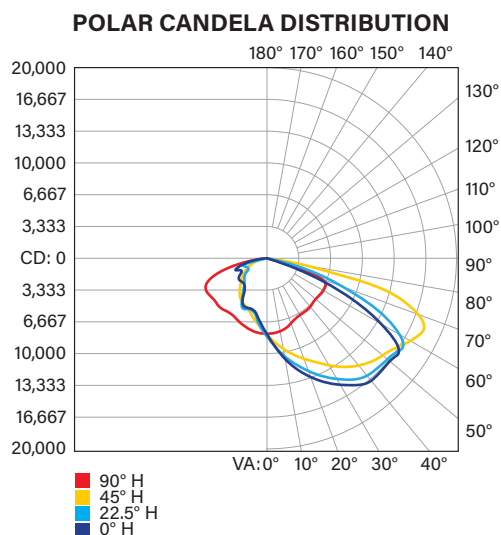
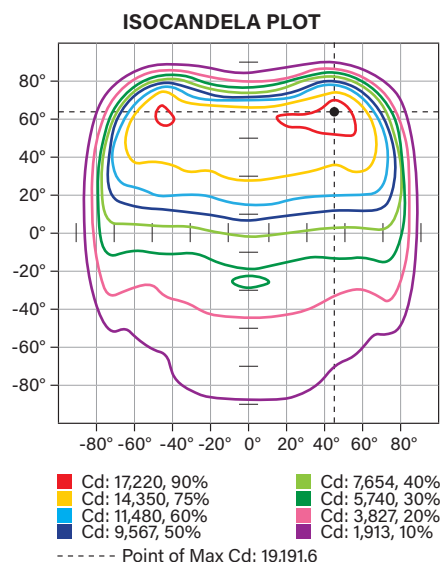
ZONAL LUMEN SUMMARY		
Zone	Lumens	% Luminaire
Forward Light	30,887.2 lm	76.5%
0°-30°	4,319.6 lm	10.7%
30°-60°	16,121.2 lm	39.9%
60°-80°	9,858.8 lm	24.4%
80°-90°	587.6 lm	1.5%
Back Light	9,506.8 lm	23.5%
0°-30°	2,465.6 lm	6.1%
30°-60°	4,499.1 lm	11.1%
60°-80°	2,330.9 lm	5.8%
80°-90°	211.2 lm	0.5%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%
BUG* Rating		
Asymmetrical Luminaire Types		
Type I, II, III, IV		B3-U0-G4
Quadrilateral Symmetrical Luminaire Types		
Type V, Area Light		B3-U0-G4

* Backlight, Uplight, Glare

KT-ALEDXXXPS-X2-OSB-PMA-8CSB-VDIM-P-X/G2

POLE-MOUNTED LED AREA LIGHT PREMIUM PACKAGE

PHOTOMETRIC SPECIFICATIONS KT-ALED290PS-L2-OSB-PMA-8CSB-VDIM-P/G2 (TYPE IV [4])

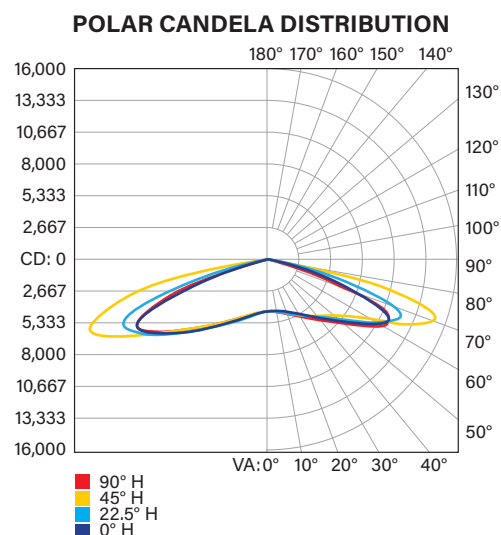
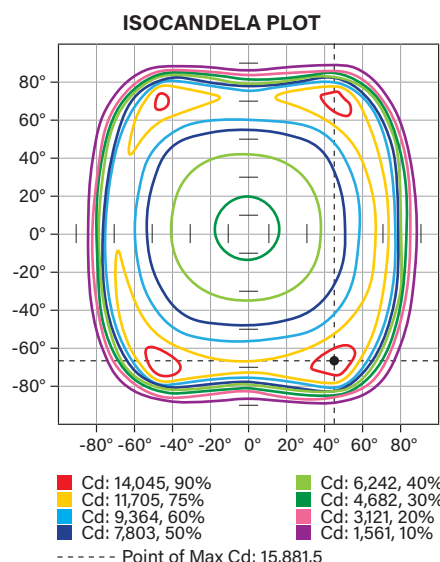


ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Forward Light	31,320.3 lm	75.8%
0°-30°	4,547.6 lm	11.0%
30°-60°	16,111.4 lm	39.0%
60°-80°	10,240.3 lm	24.8%
80°-90°	421.0 lm	1.0%
Back Light	10,007.6 lm	24.2%
0°-30°	2,564.7 lm	6.2%
30°-60°	4,739.8 lm	11.5%
60°-80°	2,480.9 lm	6.0%
80°-90°	222.2 lm	0.5%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%
BUG* Rating		
Asymmetrical Luminaire Types		
Type I, II, III, IV		B4-U0-G4
Quadrilateral Symmetrical Luminaire Types		
Type V, Area Light		B4-U0-G4

* Backlight, Uplight, Glare

PHOTOMETRIC SPECIFICATIONS KT-ALED290PS-L2-OSB-PMA-8CSB-VDIM-P/G2 (TYPE V [5])



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Forward Light	20,528.3 lm	76.3%
0°-30°	2,066.0 lm	10.8%
30°-60°	8,741.6 lm	40.3%
60°-80°	9,390.4 lm	24.1%
80°-90°	330.3 lm	1.1%
Back Light	21,682.2 lm	23.7%
0°-30°	2,175.0 lm	6.0%
30°-60°	9,714.8 lm	11.1%
60°-80°	9,522.1 lm	6.0%
80°-90°	270.3 lm	0.6%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%
BUG* Rating		
Asymmetrical Luminaire Types		
Type I, II, III, IV		B5-U0-G4
Quadrilateral Symmetrical Luminaire Types		
Type V, Area Light		B5-U0-G4

* Backlight, Uplight, Glare



KT-ALEDXXXPS-X2-OSB-PMA-8CSB-VDIM-P-X/G2

POLE-MOUNTED LED AREA LIGHT PREMIUM PACKAGE

EPA SPECIFICATIONS

MEDIUM AND LARGE-SIZE FIXTURE HOUSING

- Conditions: Horizontal winds only for calculations. Worst case total projected area used for calculations.
- All drag coefficients are set as worst case 1.2.
- For details on exact EPA calculations and assumptions, please contact productsupport@keystonetech.com

EPA Calcs (1.2*ft^2 | View)

		Single Fixture	2 Fixtures at 90°	2 Fixtures at 180°	3 Fixtures at 90°	3 Fixtures at 120°	4 Fixtures at 90°	2 Fixtures Side-by-Side	3 Fixtures Side-by-Side	4 Fixtures Side-by-Side
Mounting Application	Fixture Position									
	Adjustable Pole Mount									
	Horizontal (M)	0.50 sq. ft.	0.78 sq. ft.	1.01 sq. ft.	1.19 sq. ft.	1.28 sq. ft.	1.19 sq. ft.	0.74 sq. ft.	1.11 sq. ft.	1.48 sq. ft.
	Horizontal (L)	0.62 sq. ft.	0.90 sq. ft.	1.24 sq. ft.	1.42 sq. ft.	1.48 sq. ft.	1.42 sq. ft.	0.74 sq. ft.	1.11 sq. ft.	1.48 sq. ft.
	45° (M)	1.27 sq. ft.	1.73 sq. ft.	1.27 sq. ft.	2.20 sq. ft.	3.10 sq. ft.	2.20 sq. ft.	2.53 sq. ft.	3.80 sq. ft.	5.07 sq. ft.
	45° (L)	1.85 sq. ft.	2.43 sq. ft.	1.85 sq. ft.	3.01 sq. ft.	4.42 sq. ft.	3.01 sq. ft.	3.70 sq. ft.	5.55 sq. ft.	7.40 sq. ft.

KT-ALEDXXXPS-X2-OSB-PMA-8CSB-VDIM-P-X/G2

POLE-MOUNTED LED AREA LIGHT PREMIUM PACKAGE

ACCESSORIES (SOLD SEPARATELY)

SENSORS/CONTROLLERS

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

✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	/MW3	KTS-MW3-12V-PKO	12V Microwave Occupancy Sensor	843654130637	TRM-32
	/FC3**	KTSL-FC3-12V-PKO-PIR	Bluetooth mesh wireless screw-in LED controller for SmartLoop system Integrated daylight sensor PIR motion sensor	843654138862	OCW-60
	/FC4	KTSL-FC4-12V-PKO	Bluetooth mesh wireless screw-in low voltage fixture controller for SmartLoop system	843654149066	RUN-10



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

** When installing on Keystone area lights, use small thin gasket provided with the sensor to ensure proper electrical connection and a water-tight seal. Hand tighten only. (Do NOT use the larger thick gasket. Sensor will not make electrical contact with thick gasket.) PIR sensors may not always perform reliably in typical outdoor environments. Ensure sensors are used and commissioned with this in mind. Consult Keystone for further information on the matter. When using KTSL-FC3-12V-PKO-PIR in applications with photosensor control for dusk to dawn, use 3-pin twist-lock photocells (KT-TLP-UV-3P) for optimal functionality.

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

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KTS-MW3-REMOTECONTROL	Remote control for KTS-MW3-12V-XX Sensors Sets and adjusts all sensor performance parameters	843654132020	XSR-61



(Accessories continued on next page)

KT-ALEDXXXPS-X2-OSB-PMA-8CSB-VDIM-P-X/G2

POLE-MOUNTED LED AREA LIGHT PREMIUM PACKAGE

ACCESSORIES (SOLD SEPARATELY) (continued)

MOUNTS/BRACKETS

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

CATALOG NUMBER	DESCRIPTION	HOUSING COLOR	UPC	EASY CODE
KT-ALED-GS-M2-KIT	Reversible glare shield Medium size	Bronze	843654153797	HEM-55
KT-ALED-GS-L2-KIT	Reversible glare shield Large size	Bronze	843654153810	RDW-18
KT-ALED-GS-M2-R-KIT	Right-side mounted glare shield Medium size	Bronze	843654163895	OYO-78
KT-ALED-GS-M2-L-KIT	Left-side mounted glare shield Medium size	Bronze	843654163901	GLB-48
KT-ALED-GS-L2-R-KIT	Right-side mounted glare shield Large size	Bronze	843654163871	KAV-10
KT-ALED-GS-L2-L-KIT	Left-side mounted glare shield Large size	Bronze	843654163888	PND-07
KT-ALED-GS-M2-KIT-W	Reversible glare shield Medium size	White	843654153803	GMR-48
KT-ALED-GS-M2-R-KIT-W	Right-side mounted glare shield Medium size	White	843654163956	ZNJ-03
KT-ALED-GS-M2-L-KIT-W	Left-side mounted glare shield Medium size	White	843654163963	PUC-94
KT-ALED-WM-1-KIT	Wall mount	Bronze	843654158952	QCV-37
KT-ALED-WM-1-KIT-W	Wall mount	White	843654158969	RBE-23



Reversible Glare Shield
KT-ALED-GS-M2-KIT



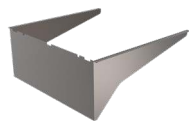
Left-Side Glare Shield
KT-ALED-GS-M2-L-KIT



Right-Side Glare Shield
KT-ALED-GS-M2-R-KIT



Wall Mount Kit
KT-ALED-WM-1-KIT



Reversible Glare Shield
KT-ALED-GS-L2-KIT



Left-Side Glare Shield
KT-ALED-GS-L2-L-KIT



Right-Side Glare Shield
KT-ALED-GS-L2-R-KIT



Reversible Glare Shield
KT-ALED-GS-M2-KIT-W



Left-Side Glare Shield
KT-ALED-GS-M2-L-KIT-W



Right-Side Glare Shield
KT-ALED-GS-M2-R-KIT-W



Wall Mount Kit
KT-ALED-WM-1-KIT

Note: Wall mount adaptor must be used with adjustable or fixed pole mounts

(Accessories continued on next page)

KT-ALEDXXXPS-X2-OSB-PMA-8CSB-VDIM-P-X/G2

POLE-MOUNTED LED AREA LIGHT PREMIUM PACKAGE

ACCESSORIES (SOLD SEPARATELY) (continued)

SURGE PROTECTORS

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

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KTSP-10KV-C	External surge protector Compact design	843654129204	BUU-26

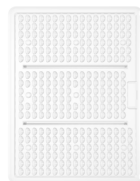


External surge protector
KTSP-10KV-C

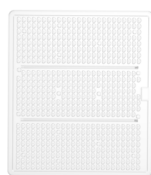
LENSES/REFLECTORS

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

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KT-ALED-LENS-M2-2-KIT	Type II optics lens Used on Series 2 area lights Medium size	843654153926	UDR-71
KT-ALED-LENS-M2-4-KIT	Type IV optics lens Used on Series 2 area lights Medium size	843654153964	PNA-91
KT-ALED-LENS-L2-2-KIT	Type II optics lens Used on Series 2 area lights Large size	843654153841	NFU-40
KT-ALED-LENS-L2-4-KIT	Type IV optics lens Used on Series 2 area lights Large size	843654153889	BSU-72



Lenses
KT-ALED-LENS-M2-2-KIT



Lenses
KT-ALED-LENS-L2-2-KIT

