



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

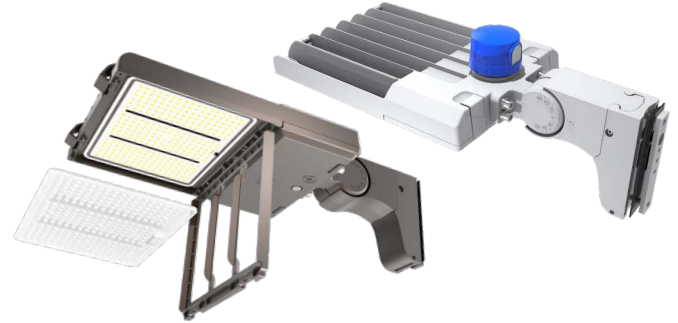
POLE MOUNTED LED AREA LIGHT PREMIUM PACKAGE

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



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 for dark sky friendly performance 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
- 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**	Legacy Equivalent
KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P-W	140W	3000K	17,950	128 lm/W	120-277V	0-10V	> 80	Type III Installed, Types IV and V Included	Yes	Bronze or White Available	400W MH
		4000K	20,780	148 lm/W							
		5000K	19,020	136 lm/W							
	100W	3000K	12,720	127 lm/W							
		4000K	14,750	148 lm/W							
		5000K	13,530	135 lm/W							
	70W	3000K	9,310	133 lm/W							
		4000K	10,740	153 lm/W							
		5000K	9,880	141 lm/W							
KT-ALED290PS-L2-OSB-PMA-8CSB-VDIM-P KT-ALED290PS-L2-OSB-PMA-8CSB-VDIM-P-W	290W	3000K	36,320	125 lm/W	120-277V	0-10V	> 80	Type II Available, Sold Separately	Yes	Bronze or White Available	1000W MH
		4000K	42,770	147 lm/W							
		5000K	38,700	133 lm/W							
	210W	3000K	27,300	130 lm/W							
		4000K	31,710	151 lm/W							
		5000K	28,980	138 lm/W							
	185W	3000K	22,970	124 lm/W							
		4000K	27,060	146 lm/W							
		5000K	24,440	132 lm/W							

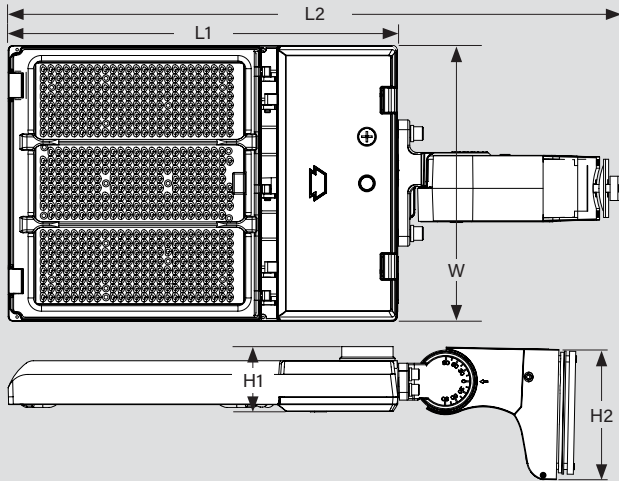
* For more information, see Accessories page below or contact Keystone with questions.
 ** Fixtures and mounts with alternate housing colors are available and made to order. Extended lead times apply. Please see catalog number breakdown for full ordering code details.

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

POLE MOUNTED LED AREA LIGHT PREMIUM PACKAGE

PHYSICAL SPECIFICATIONS

POLE-MOUNT LED AREA LIGHT FIXTURE



FIXTURE DIMENSIONS

Catalog Number	L1 (Length)	W (Width)	H1 (Height)
KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P-W	14.13"	9.61"	3.30"
KT-ALED290PS-L2-OSB-PMA-8CSB-VDIM-P KT-ALED290PS-L2-OSB-PMA-8CSB-VDIM-P-W	15.70"	11.18"	3.30"

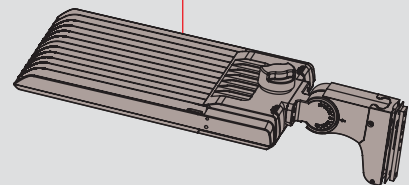
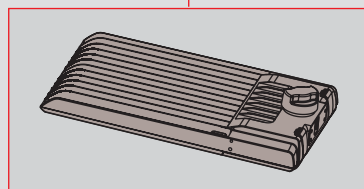
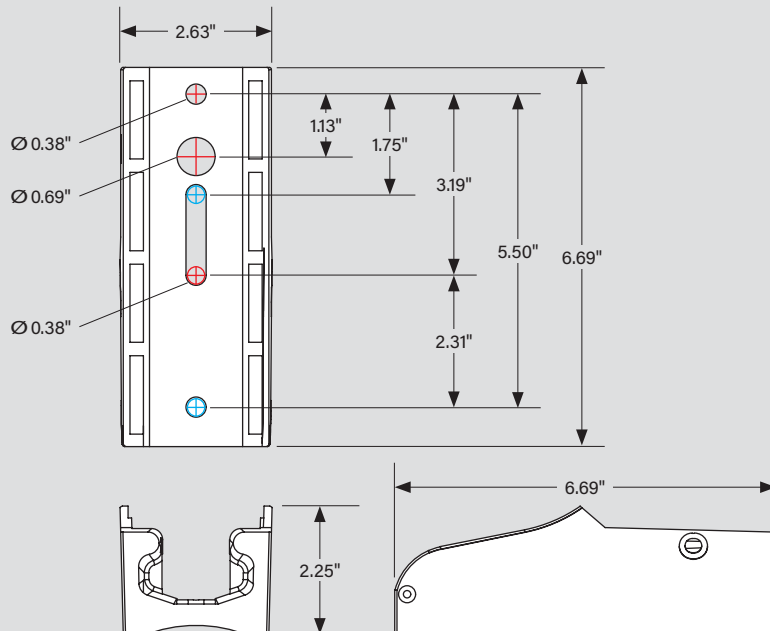
FIXTURE DIMENSIONS (WITH POLE MOUNT)

Catalog Number	L2 (Length)	H2 (Height)
KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P-W	14.13"	3.30"
KT-ALED290PS-L2-OSB-PMA-8CSB-VDIM-P KT-ALED290PS-L2-OSB-PMA-8CSB-VDIM-P-W	15.70"	3.30"

PACKAGING DIMENSIONS

Catalog Number	Carton Dimensions	Carton Weight
KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P-W	5.63" x 13.15" x 26.57"	16.53 lbs
KT-ALED290PS-L2-OSB-PMA-8CSB-VDIM-P KT-ALED290PS-L2-OSB-PMA-8CSB-VDIM-P-W	5.63" x 15.95" x 26.18"	17.53 lbs

ADJUSTABLE POLE MOUNT KIT DRILLING HOLES

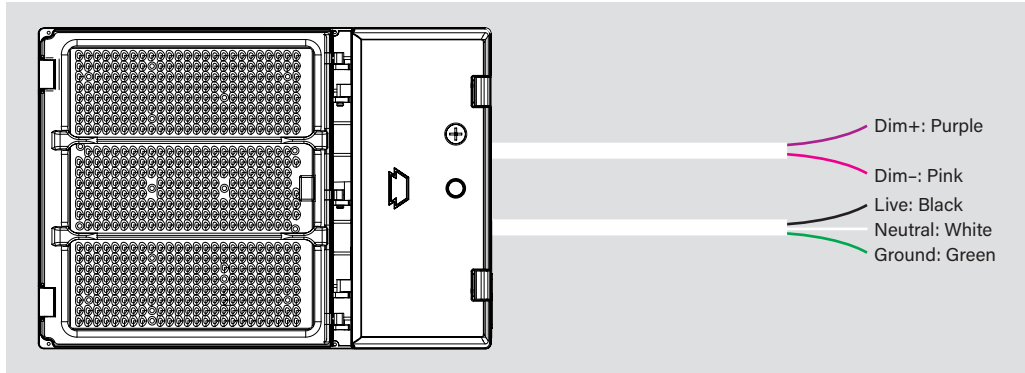




KT-ALEDXXXPS-X2-OSB-PMA-8CSB-VDIM-P-X

POLE MOUNTED LED AREA LIGHT PREMIUM PACKAGE

WIRING DIAGRAM

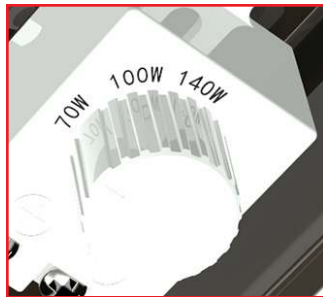


- This fixture comes pre-wired with a 7-pin twist-lock receptacle with shorting cap.
- Make input connections as needed and ensure connections are protected from exposure to the elements.
- **Input voltage rating: 120-277V**
- Ensure that input voltage on site matches the fixture you intend to install.

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

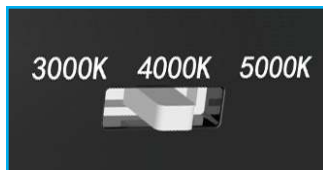
This fixture is equipped with field-adjustable Keystone Power Select and Color Select technology.

1. Ensure power is off to the fixture.
2. Open the driver compartment located on the underside of the fixture.
3. Adjust switches to desired settings.

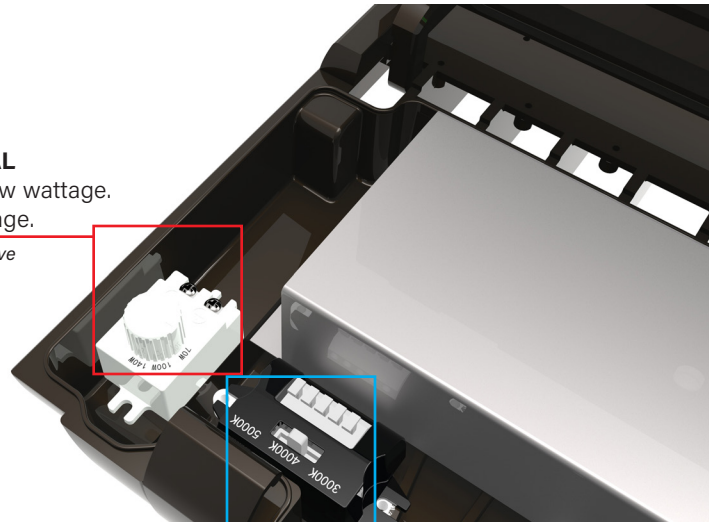


POWER SELECT ADJUSTMENT DIAL
Adjust between high, medium, and low wattage. Fixtures come preset to highest wattage.

Image for reference only. Different SKU's will have different wattages



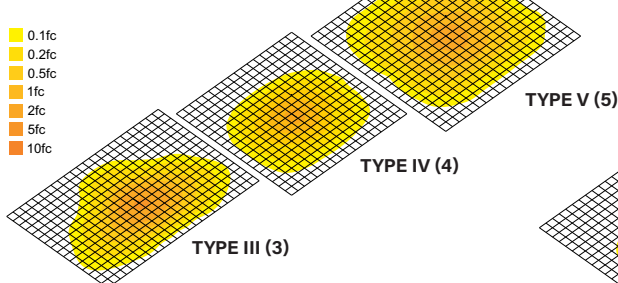
COLOR SELECT ADJUSTMENT SWITCH
Set switch to adjust CCT between 3000K, 4000K, and 5000K. Fixture comes preset at 5000K.



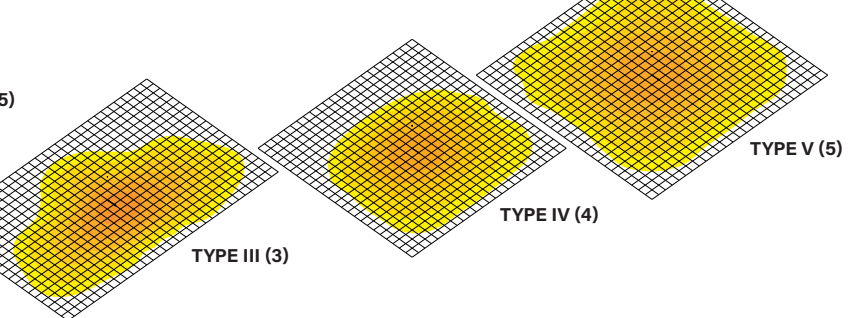
LIGHT DISTRIBUTION PATTERN

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

KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P
Pole mounted at 30 ft



KT-ALED290PS-L2-OSB-PMA-8CSB-VDIM-P
Pole mounted at 35 ft



- 0.1fc
- 0.2fc
- 0.5fc
- 1fc
- 2fc
- 5fc
- 10fc

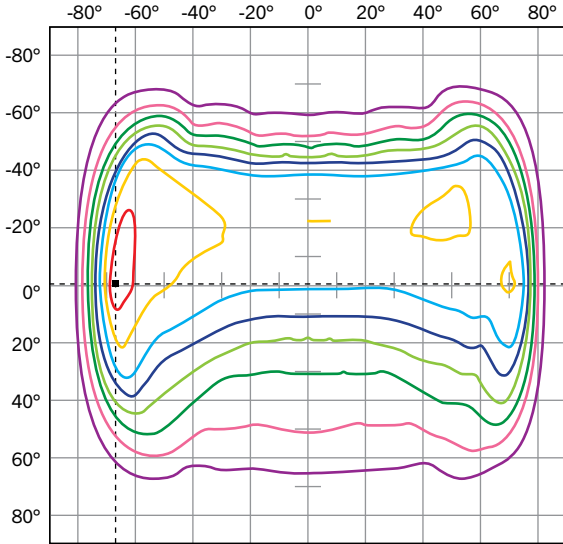


KT-ALEDXXXPS-X2-OSB-PMA-8CSB-VDIM-P-X

POLE MOUNTED LED AREA LIGHT PREMIUM PACKAGE

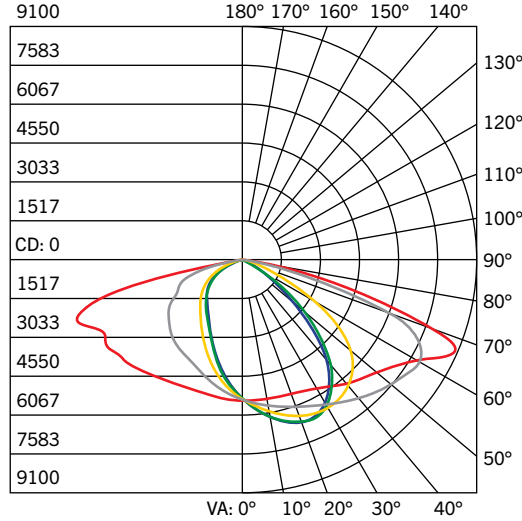
PHOTOMETRIC SPECIFICATIONS KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P (TYPE II [2])

ISOCANDELA PLOT



- Point of Max Cd: 9029.9
- Cd: 8051, 90%
- Cd: 6709, 75%
- Cd: 5367, 60%
- Cd: 4473, 50%
- Cd: 3578, 40%
- Cd: 2684, 30%
- Cd: 1789, 20%
- Cd: 895, 10%

POLAR CANDELA DISTRIBUTION



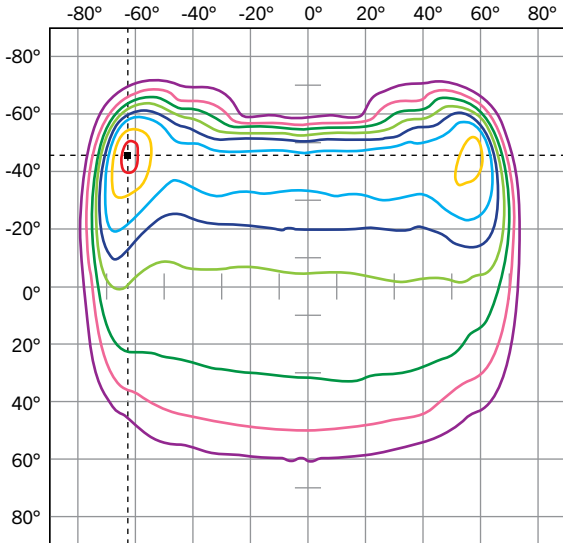
- : 0° H
- : 22.5° H
- : 67.5° H
- : 90° H
- : 45° H

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light		
0°-30°	2635.6	14.2%
30°-60°	6056.9	32.6%
60°-80°	2427.6	13.1%
80°-90°	86.6	0.5%
Back Light		
0°-30°	1792.1	9.6%
30°-60°	3633.2	19.5%
60°-80°	1887.1	10.2%
80°-90°	71.0	0.4%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	18590.1	100.0%
BUG Rating	B3-U0-G3	

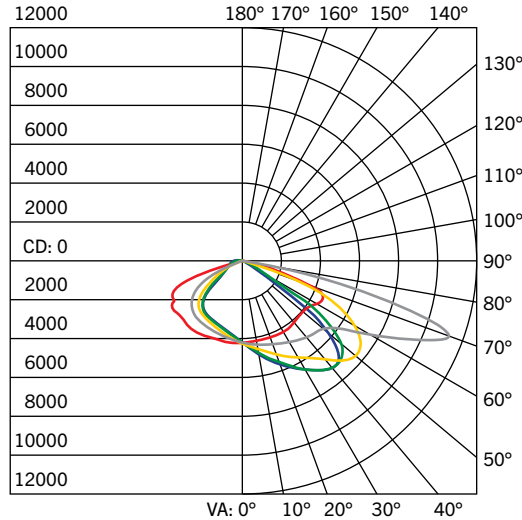
PHOTOMETRIC SPECIFICATIONS KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P (TYPE III [3])

ISOCANDELA PLOT



- Point of Max Cd: 11595.9
- Cd: 10278, 90%
- Cd: 8565, 75%
- Cd: 6852, 60%
- Cd: 5710, 50%
- Cd: 4568, 40%
- Cd: 3426, 30%
- Cd: 2284, 20%
- Cd: 1142, 10%

POLAR CANDELA DISTRIBUTION



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

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light		
0°-30°	2171.9	11.5%
30°-60°	6942.9	36.9%
60°-80°	3378.3	17.9%
80°-90°	65.9	0.4%
Back Light		
0°-30°	1621.8	8.6%
30°-60°	3565.3	18.9%
60°-80°	1049.9	5.6%
80°-90°	36.4	0.2%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	18832.4	100.0%
BUG Rating	B3-U0-G3	

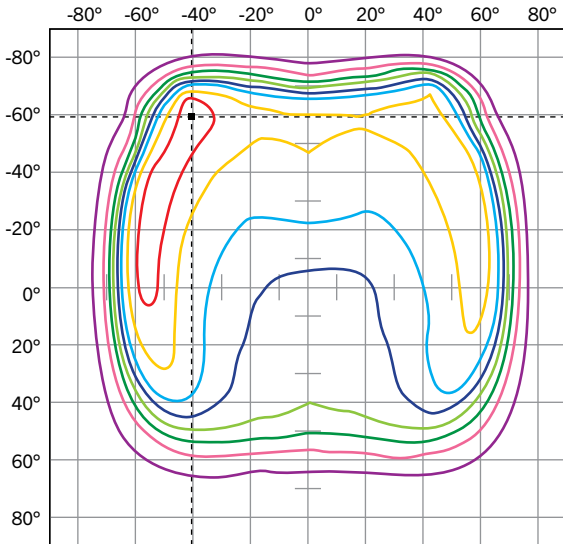


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POLE MOUNTED LED AREA LIGHT PREMIUM PACKAGE

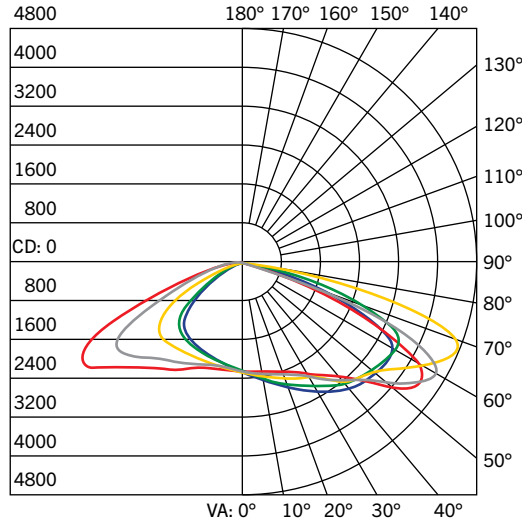
PHOTOMETRIC SPECIFICATIONS KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P (TYPE IV [4])

ISOCANDELA PLOT



- Point of Max Cd: 7219.1
- Cd: 6400, 90%
- Cd: 5333, 75%
- Cd: 4267, 60%
- Cd: 3556, 50%
- Cd: 2844, 40%
- Cd: 2133, 30%
- Cd: 1422, 20%
- Cd: 711, 10%

POLAR CANDELA DISTRIBUTION



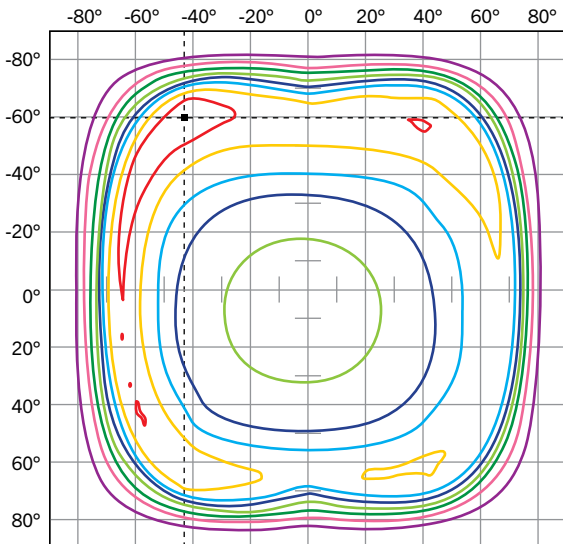
- : 0° H
- : 22.5° H
- : 67.5° H
- : 90° H
- : 45° H

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light		
0°-30°	1628.1	8.8%
30°-60°	5903.8	32.1%
60°-80°	3949.0	21.4%
80°-90°	152.1	0.8%
Back Light		
0°-30°	1411.5	7.7%
30°-60°	4065.2	22.1%
60°-80°	1269.2	6.9%
80°-90°	35.3	0.2%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	18414.2	100.0%
BUG Rating	B3-U0-G3	

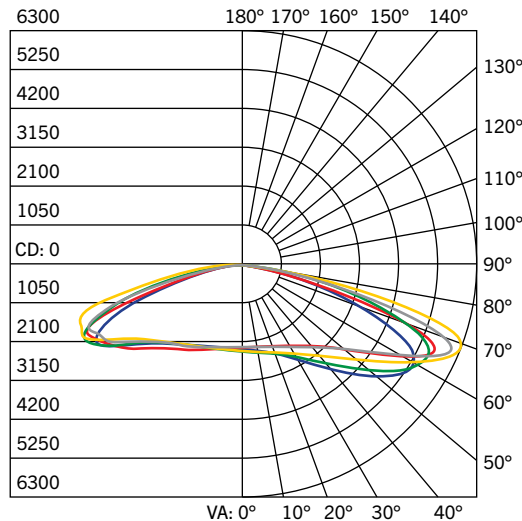
PHOTOMETRIC SPECIFICATIONS KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P (TYPE V [5])

ISOCANDELA PLOT



- Point of Max Cd: 6268.6
- Cd: 5608, 90%
- Cd: 4673, 75%
- Cd: 3739, 60%
- Cd: 3116, 50%
- Cd: 2492, 40%
- Cd: 1869, 30%
- Cd: 1246, 20%
- Cd: 623, 10%

POLAR CANDELA DISTRIBUTION



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

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light		
0°-30°	1056.8	5.6%
30°-60°	4393.8	23.3%
60°-80°	4321.3	23.0%
80°-90°	233.7	1.2%
Back Light		
0°-30°	995.5	5.3%
30°-60°	3593.6	19.1%
60°-80°	3986.6	21.2%
80°-90°	238.8	1.3%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	18820.1	100.0%
BUG Rating	B4-U0-G3	

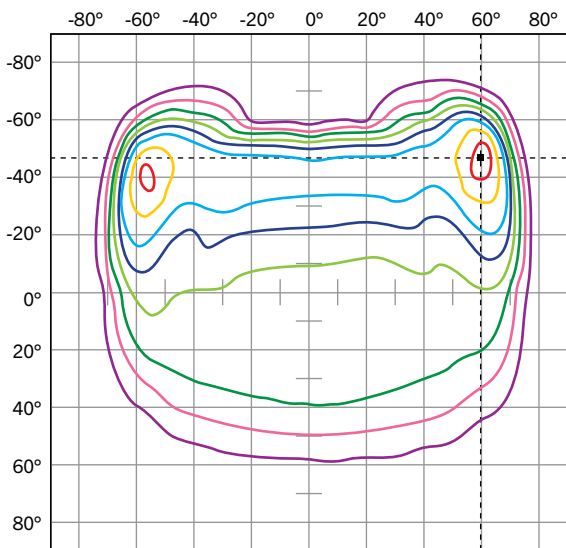


KT-ALEDXXXPS-X2-OSB-PMA-8CSB-VDIM-P-X

POLE MOUNTED LED AREA LIGHT PREMIUM PACKAGE

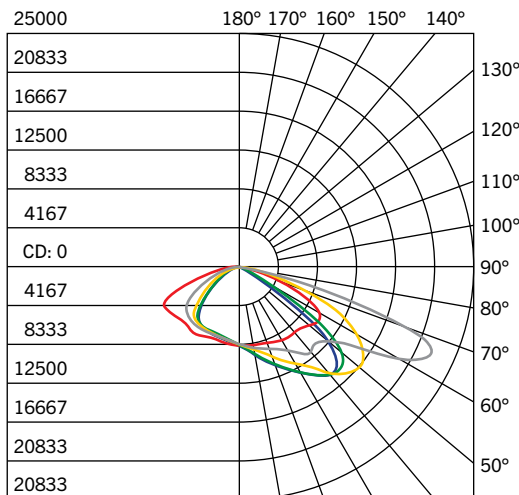
PHOTOMETRIC SPECIFICATIONS KT-ALED290PS-L2-OSB-PMA-8CSB-VDIM-P (TYPE II [2])

ISOCANDELA PLOT



- Point of Max Cd: 24472.5
- Cd: 21625, 90%
- Cd: 18020, 75%
- Cd: 14416, 60%
- Cd: 12014, 50%
- Cd: 9611, 40%
- Cd: 7208, 30%
- Cd: 4805, 20%
- Cd: 2403, 10%

POLAR CANDELA DISTRIBUTION



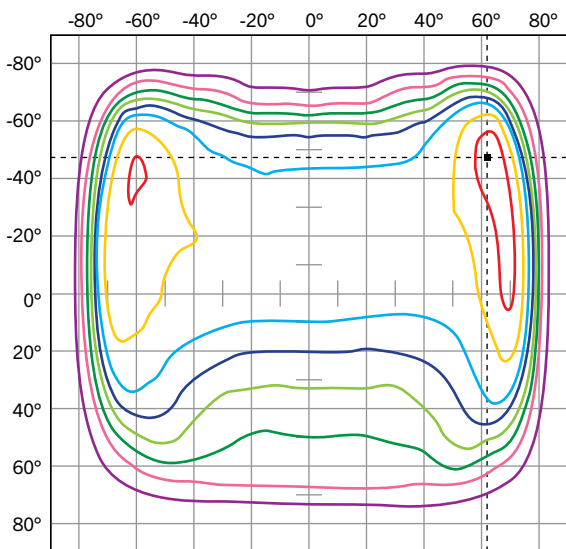
- Max Cd: 292.5° H
- : 0° H
- : 90° H
- : 22.5° H
- : 45° H
- : 67.5° H

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light		
0°-30°	4351.7	10.9%
30°-60°	14745.1	37.0%
60°-80°	7342.5	18.4%
80°-90°	181.0	0.5%
Back Light		
0°-30°	3433.4	8.6%
30°-60°	7633.2	19.2%
60°-80°	2037.6	5.1%
80°-90°	76.3	0.2%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	39800.8	100.0%
BUG Rating	B4-U0-G3	

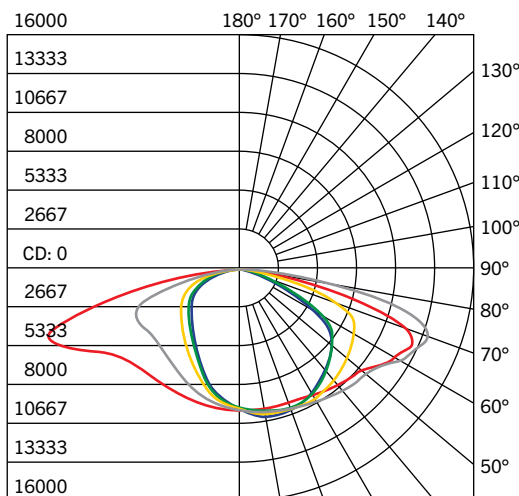
PHOTOMETRIC SPECIFICATIONS KT-ALED290PS-L2-OSB-PMA-8CSB-VDIM-P (TYPE III [3])

ISOCANDELA PLOT



- Point of Max Cd: 15289.9
- Cd: 13624, 90%
- Cd: 11368, 75%
- Cd: 9095, 60%
- Cd: 7579, 50%
- Cd: 6063, 40%
- Cd: 4547, 30%
- Cd: 3032, 20%
- Cd: 1516, 10%

POLAR CANDELA DISTRIBUTION



- Max Cd: 292.5° H
- : 0° H
- : 90° H
- : 22.5° H
- : 45° H
- : 67.5° H

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light		
0°-30°	4375.3	11.0%
30°-60°	11377.5	38.6%
60°-80°	7372.5	18.6%
80°-90°	503.8	1.3%
Back Light		
0°-30°	3570.4	9.0%
30°-60°	7690.4	19.4%
60°-80°	4636.1	11.7%
80°-90°	200.5	0.5%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	39726.5	100.0%
BUG Rating	B4-U0-G4	

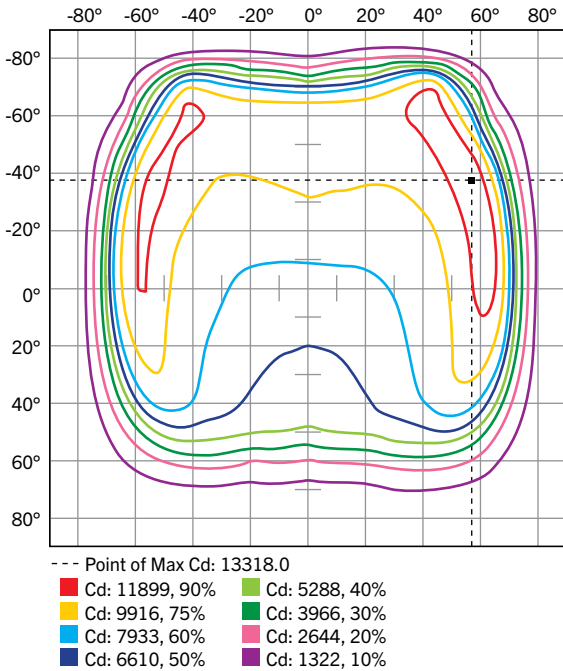


KT-ALEDXXXPS-X2-OSB-PMA-8CSB-VDIM-P-X

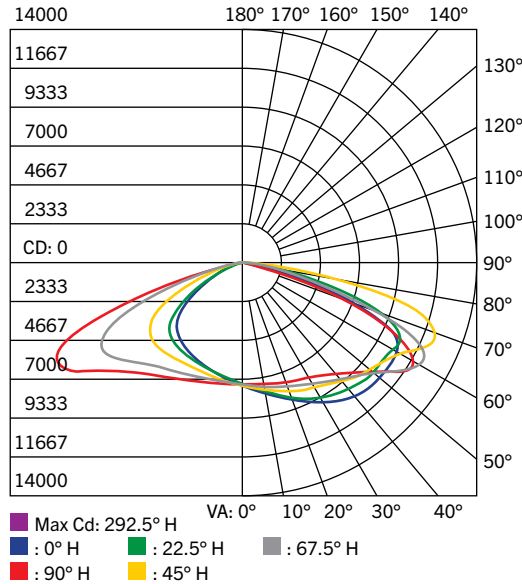
POLE MOUNTED LED AREA LIGHT PREMIUM PACKAGE

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

ISOCANDELA PLOT



POLAR CANDELA DISTRIBUTION

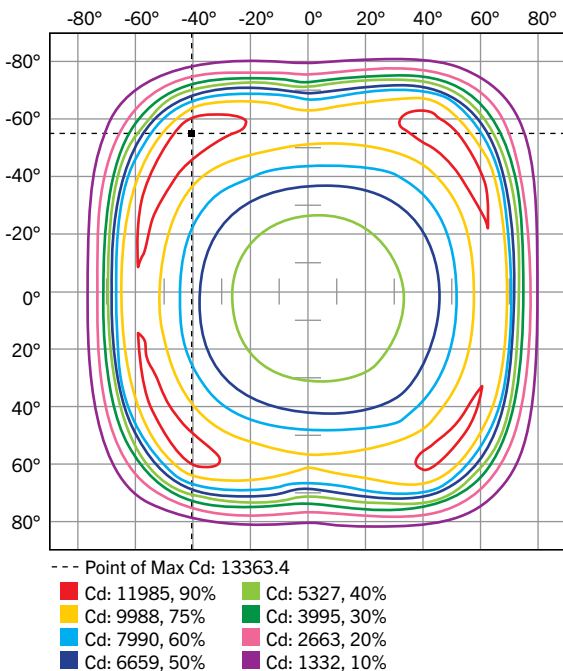


FLUX DISTRIBUTION

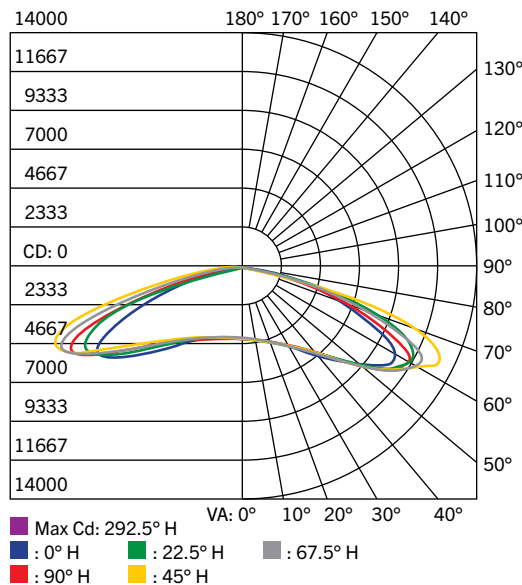
Zone	Lumens	% Luminaire
Forward Light		
0°-30°	3496.9	8.9%
30°-60°	11626.4	29.8%
60°-80°	8787.4	22.5%
80°-90°	518.0	1.3%
Back Light		
0°-30°	2971.1	7.6%
30°-60°	8241.1	21.1%
60°-80°	3333.1	8.5%
80°-90°	101.3	0.3%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	39075.3	100.0%
BUG Rating	B4-U0-G4	

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

ISOCANDELA PLOT



POLAR CANDELA DISTRIBUTION



FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light		
0°-30°	2080.9	5.3%
30°-60°	9547.3	24.1%
60°-80°	8307.2	21.0%
80°-90°	338.0	0.9%
Back Light		
0°-30°	2030.2	5.1%
30°-60°	8965.1	22.7%
60°-80°	7959.9	20.1%
80°-90°	313.0	0.8%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	39538.6	100.0%
BUG Rating	B5-U0-G4	



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

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.
Adjustable Pole Mount 	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

POLE MOUNTED LED AREA LIGHT PREMIUM PACKAGE

ACCESSORIES (SOLD SEPARATELY)

SENSORS

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)

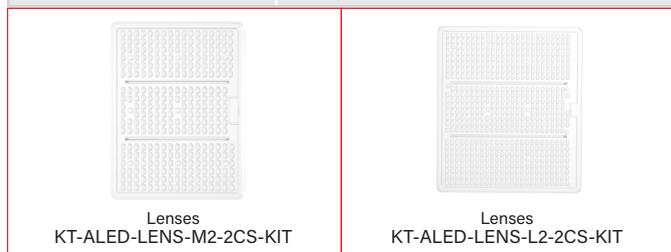
CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KTS-MW3-REMOTECONTROL	Remote control for KTS-MW3-12V-XX Sensors Sets and adjusts all sensor performance parameters	843654132020	XSR-61



LENSES

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

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KT-ALED-LENS-M2-2CS-KIT	Type II optics lens Used on Series 2 area lights Medium size Color Select	843654153933	ICD-51
KT-ALED-LENS-L2-2CS-KIT	Type II optics lens Used on Series 2 area lights Large size Color Select	843654153858	HXC-12



(Accessories continued on next page)

