

KT-ALED140PSHV-M2-OSA-NM-8CSB-VDIM

HIGH-VOLTAGE LED AREA LIGHT

DESCRIPTION

140W Optic Swap LED Area Light | 277-480V Input
| Bronze Housing | Multiple Mounting, Optics, and Control options

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 (140/100/70W)
- Keystone Color Select technology (3000/4000/5000K)
- Innovative optic swap capability under door frame and latch design for quick lens change
- Two lenses in the box: Type III installed, Type V included
- Type II and Type IV lenses 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 compliant performance eliminates undesirable sky glow
- Integrated NEMA/ANSI C136.10 3-pin twist-lock receptacle with shorting cap and photocell, standard on all fixtures, simplifies ordering requirements for photo control needs
- Four contractor-friendly mounting options available (sold separately): slip fitter mount, adjustable pole mount for square and round poles, fixed pole mount for square and round poles, and trunnion mount
- 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

PRODUCT SPECIFICATIONS

Catalog No.	Wattage	CCT	Lumens	Efficacy	Input Voltage	Dimming	CRI	Distribution Pattern	Photocell Included	Housing Color	Legacy Equivalent
KT-ALED140PSHV-M2-OSA-NM-8CSB-VDIM	140W	3000K	17950	128 lm/W	277-480V	0-10V	>80	Type III Installed, Type V Included Types II and IV Available, Sold Separately	No	Bronze	400W MH
		4000K	20780	148 lm/W							
		5000K	19020	136 lm/W							
	100W	3000K	12720	127 lm/W							
		4000K	14750	148 lm/W							
		5000K	13530	135 lm/W							
	70W	3000K	9310	133 lm/W							
		4000K	10740	153 lm/W							
		5000K	9880	141 lm/W							

* Fixtures with Type 2 (II) and Type 4 (IV) optics are available and assembled to order. Lead times may apply. Please see catalog number breakdown for full ordering code details.

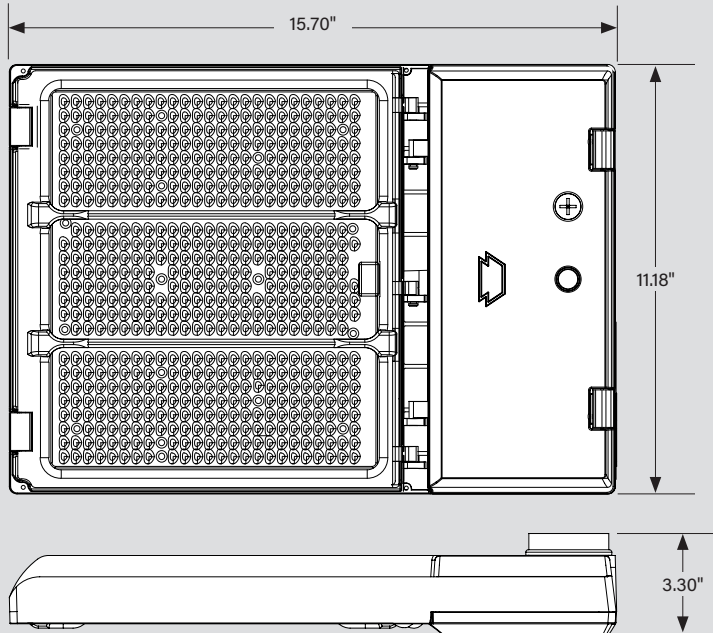
**Fixtures (and mounts) with alternate housing colors are available and made to order. Extended lead times apply. Please see catalog number breakdown for full ordering code details.

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HIGH-VOLTAGE LED AREA LIGHT

PHYSICAL SPECIFICATIONS

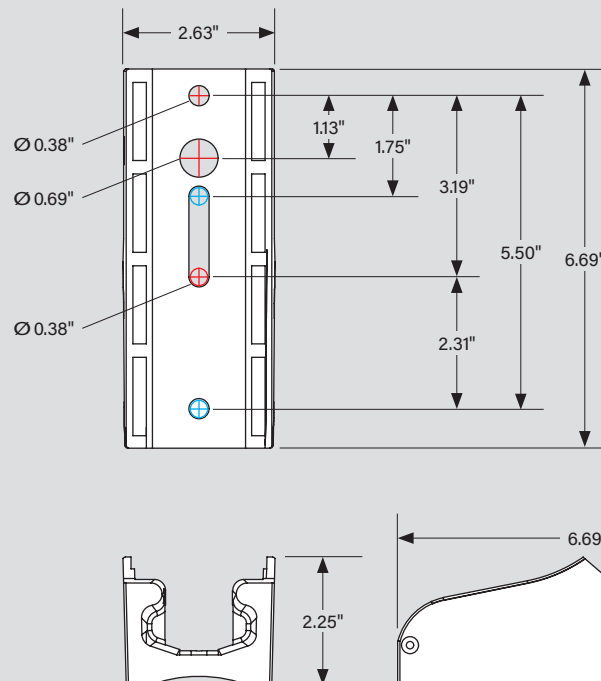
LED AREA LIGHT FIXTURE



PACKAGING

Carton Quantity	1 piece
Carton Dimensions	5.63"H x 13.15"W x 21.65"L
Carton Weight	12.35 lbs

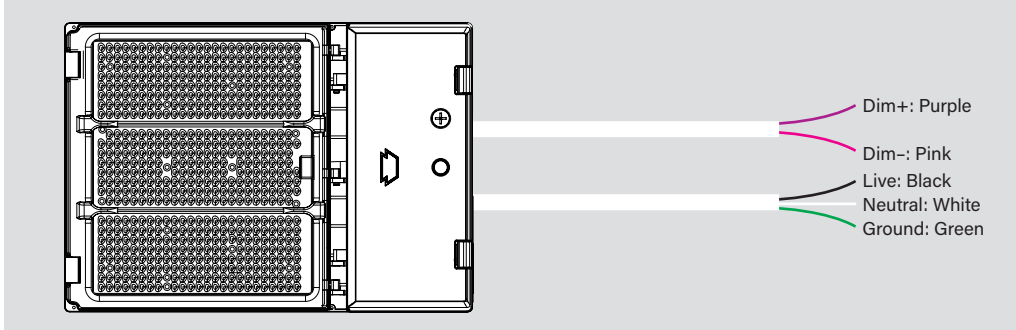
POLE MOUNT (ADJUSTABLE OR FIXED) DRILLING HOLES



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HIGH-VOLTAGE LED AREA LIGHT

WIRING DIAGRAM

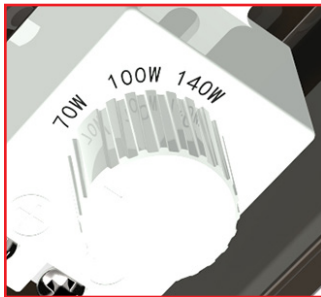


- Make input connections as needed and ensure connections are protected from exposure to the elements.
- **Input voltage rating: 277-480V**
- Ensure that input voltage on site matches the fixture you intend to install.

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

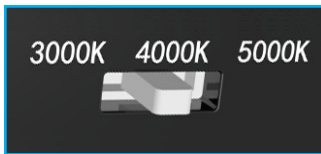
This fixture is equipped with field-adjustable Keystone Power Select and Color Select technology.

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.



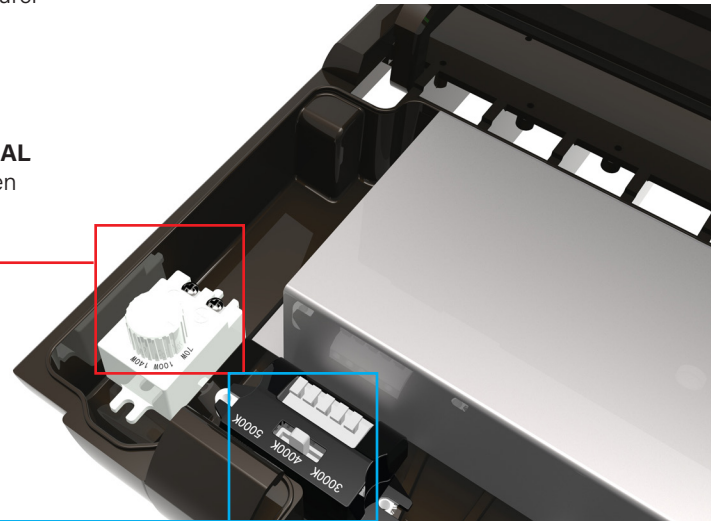
POWER SELECT ADJUSTMENT DIAL

Set switch to adjust wattage between 140W, 100W, and 70W.
Fixture comes preset at 140W.



COLOR SELECT ADJUSTMENT SWITCH

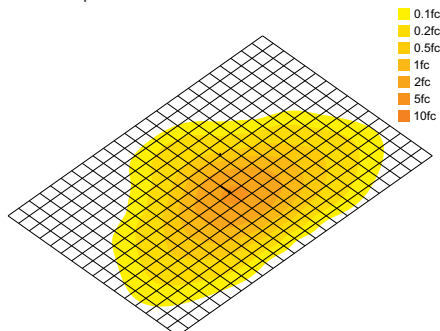
Set switch to adjust CCT between 3000K, 4000K, and 5000K.
Fixture comes preset at 5000K.



LIGHT DISTRIBUTION PATTERN

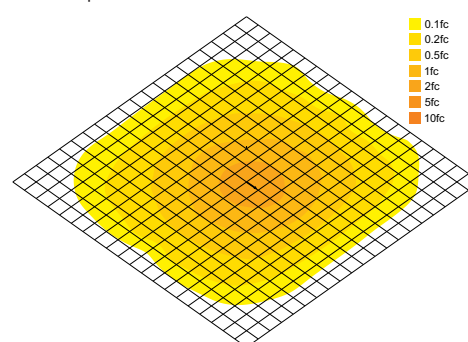
TYPE III (3)

Pole mount view from above. Area light mounted at 30 ft.
Each square is 10 ft x 10 ft



TYPE V (5)

Pole mount view from above. Area light mounted at 30 ft.
Each square is 10 ft x 10 ft

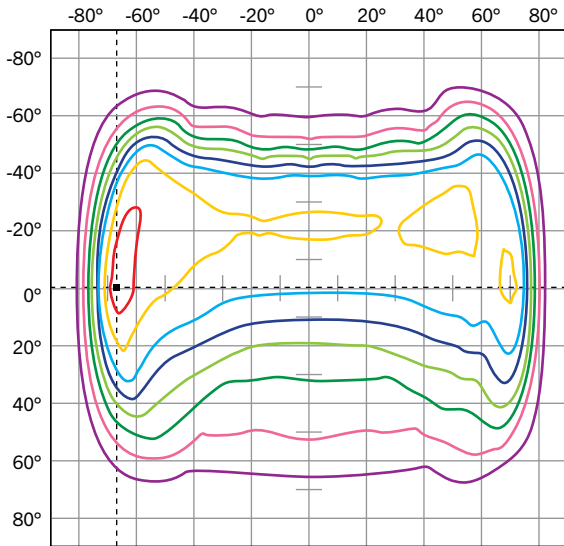


KT-ALED140PSHV-M2-OSA-NM-8CSB-VDIM

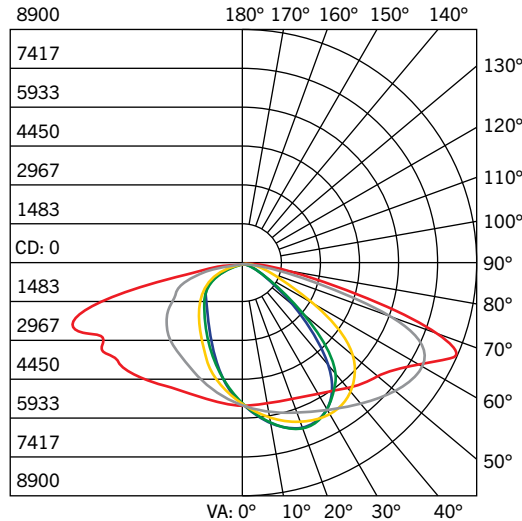
HIGH-VOLTAGE LED AREA LIGHT

PHOTOMETRIC SPECIFICATIONS (TYPE II [2])

ISOCANDELA PLOT



POLAR CANDELA DISTRIBUTION

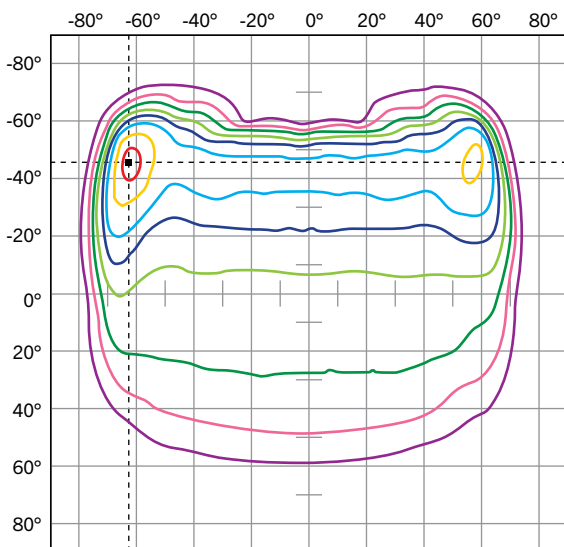


FLUX DISTRIBUTION

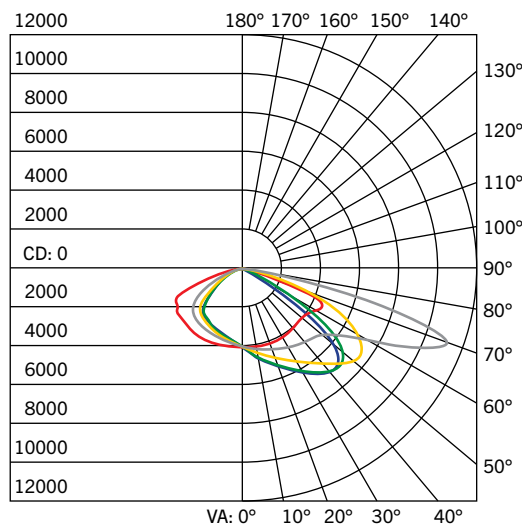
Zone	Lumens	% Luminaire
Forward Light		
0°-30°	2624.5	14.1%
30°-60°	6071.0	32.6%
60°-80°	2459.1	13.2%
80°-90°	92.2	0.5%
Back Light		
0°-30°	1782.1	9.6%
30°-60°	3617.1	19.5%
60°-80°	1875.3	10.1%
80°-90°	74.8	0.4%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	18596.1	100.0%
BUG Rating	B3-U0-G3	

PHOTOMETRIC SPECIFICATIONS (TYPE III [3])

ISOCANDELA PLOT



POLAR CANDELA DISTRIBUTION



FLUX DISTRIBUTION

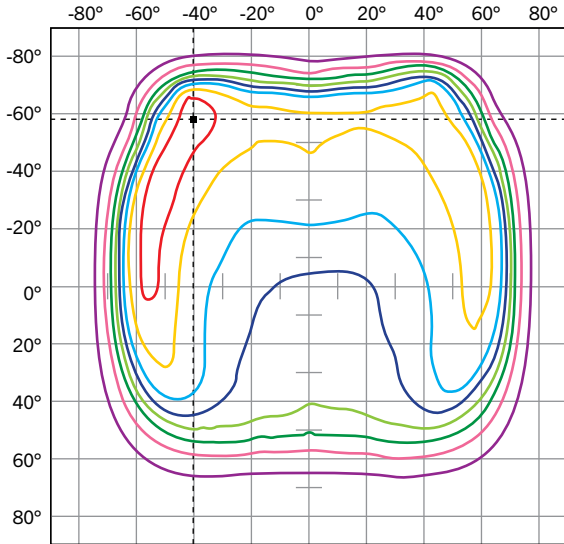
Zone	Lumens	% Luminaire
Forward Light		
0°-30°	2100.1	11.4%
30°-60°	6843.1	37.1%
60°-80°	3436.0	18.6%
80°-90°	74.8	0.4%
Back Light		
0°-30°	1580.5	8.6%
30°-60°	3424.5	18.6%
60°-80°	971.6	5.3%
80°-90°	27.5	0.1%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	18458.1	100.0%
BUG Rating	B3-U0-G2	

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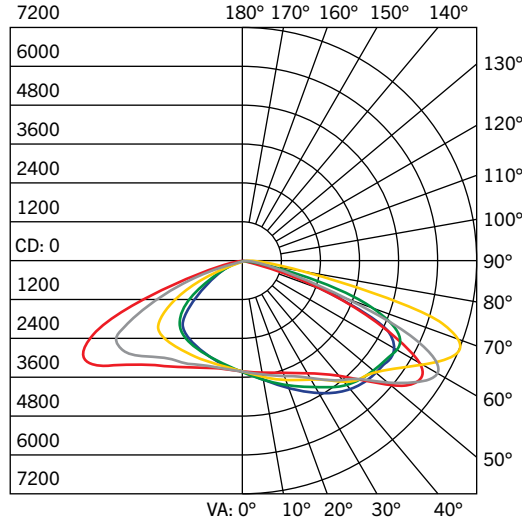
HIGH-VOLTAGE LED AREA LIGHT

PHOTOMETRIC SPECIFICATIONS (TYPE IV [4])

ISOCANDELA PLOT



POLAR CANDELA DISTRIBUTION

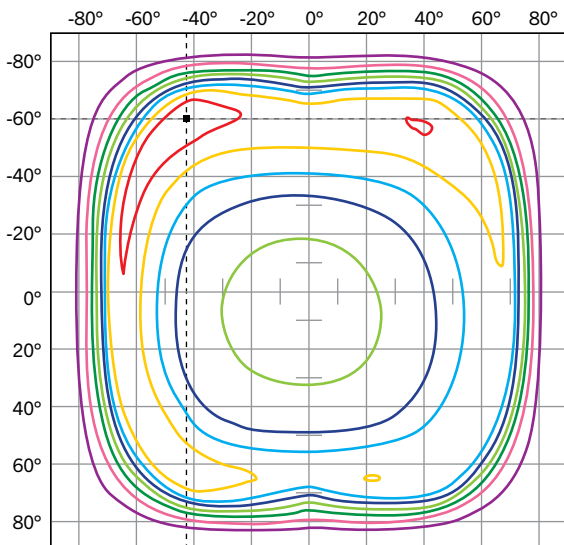


FLUX DISTRIBUTION

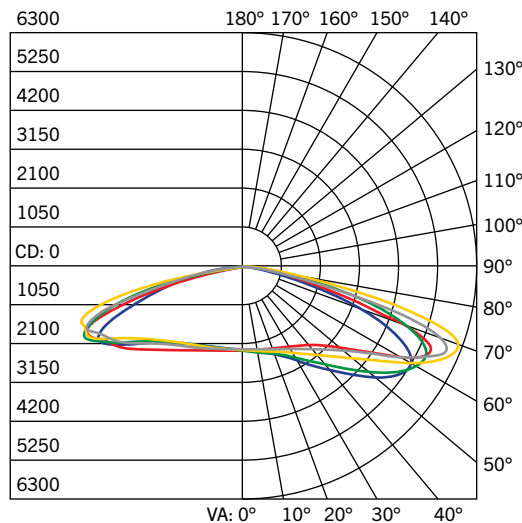
Zone	Lumens	% Luminaire
Forward Light		
0°-30°	1639.4	8.9%
30°-60°	5869.2	31.8%
60°-80°	3948.9	21.4%
80°-90°	156.8	0.9%
Back Light		
0°-30°	1412.6	7.7%
30°-60°	4050.9	22.0%
60°-80°	1321.3	7.2%
80°-90°	39.4	0.2%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	18438.5	100.0%
BUG Rating	B3-U0-G3	

PHOTOMETRIC SPECIFICATIONS (TYPE V [5])

ISOCANDELA PLOT



POLAR CANDELA DISTRIBUTION



FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light		
0°-30°	1050.7	5.6%
30°-60°	4381.6	23.5%
60°-80°	4276.7	22.9%
80°-90°	226.4	1.2%
Back Light		
0°-30°	986.2	5.3%
30°-60°	3543.1	19.0%
60°-80°	3930.9	21.1%
80°-90°	239.9	1.3%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	18635.5	100.0%
BUG Rating	B4-U0-G3	

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HIGH-VOLTAGE LED AREA LIGHT

EPA SPECIFICATIONS

MEDIUM-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	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.
Adjustable Pole Mount										
	45°	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.
Slip Fitter Mount										
	Horizontal	0.48 sq. ft.	0.87 sq. ft.	0.97 sq. ft.	1.30 sq. ft.	1.37 sq. ft.	1.30 sq. ft.	0.86 sq. ft.	1.30 sq. ft.	1.73 sq. ft.
Slip Fitter Mount										
	45°	1.34 sq. ft.	1.80 sq. ft.	1.34 sq. ft.	2.28 sq. ft.	3.06 sq. ft.	2.28 sq. ft.	2.67 sq. ft.	4.01 sq. ft.	5.35 sq. ft.
Slip Fitter Mount										
	Vertical	1.76 sq. ft.	2.25 sq. ft.	1.76 sq. ft.	2.73 sq. ft.	2.94 sq. ft.	2.73 sq. ft.	3.53 sq. ft.	5.29 sq. ft.	7.06 sq. ft.

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HIGH-VOLTAGE LED AREA LIGHT

ACCESSORIES (SOLD SEPARATELY)

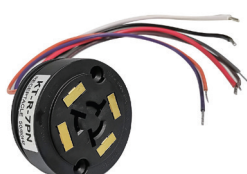
SENSORS

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

✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	/3PN	KT-TLP-HV-3PN	NEMA Type Twist-Lock 3-Pin Photocell 277-480V, 1800VA Max; Yellow Housing	843654131832	CGF-01
	/7PRS	KT-RSC-7PN	NEMA Type 7-Pin Receptacle and Shorting Cap	843654135205	BIZ-08
	/MW3	KTS-MW3-12V-PKO	12V Microwave Occupancy Sensor	843654130637	TRM-32
	/FC3	KTSL-FC3-12V-PKO-PIR	Bluetooth mesh wireless Smart Port LED controller for SmartLoop system with integrated daylight and 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



Twist-Lock Area Light Control
KT-TLP-HV-3PN



Twist-Lock Area Light Control
KT-RSC-7PN



Microwave Occupancy Sensor
KTS-MW3-12V-PKO



Smart Port LED Controller
KTSL-FC3-12V-PKO-PIR



Screw-In Fixture Controller
KTSL-FC4-12V-PKO

* 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
KTS-MW3-REMOTECONTROL	Remote Control for KTS-MW3-12V-XX Sensors, Sets/adjusts all sensor performance parameters	843654132020	XSR-61



Remote Control
KTS-MW3-REMOTECONTROL

LENSES

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

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KT-ALED-LENS-M2-2CS-KIT	Type II Optics Lens for Color Select, Medium Size Housing, Series 2 Area Lights	843654153933	ICD-51
KT-ALED-LENS-M2-4CS-KIT	Type IV Optics Lens for Color Select, Medium Size Housing, Series 2 Area Lights	843654153971	DZD-72



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



Lenses
KT-ALED-LENS-M2-4CS-KIT

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

KT-ALED140PSHV-M2-OSA-NM-8CSB-VDIM

HIGH-VOLTAGE LED AREA LIGHT

ACCESSORIES (SOLD SEPARATELY)

MOUNTS AND BRACKETS

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

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KT-ALED-GS-M2-KIT	Reversible Glare Shield for Medium Size Housing, Series 2 Area Lights, Bronze	843654153797	HEM-55
KT-ALED-SF-1-KIT	Slip Fitter Mount, Fits 2 3/8" tenon; Bronze	843654131641	JRH-74
KT-ALED-PMA-1-KIT	Adjustable Pole Mount, For round or square pole; Bronze	843654131634	DAQ-87
KT-ALED-PM-1-KIT	Fixed Pole Mount, For round or square pole; Bronz	843654131627	QVG-29
KT-ALED-TM-1-KIT	Trunnion Mount, Bronze	843654131658	GTH-37

Glare Shield
KT-ALED-GS-M2-KIT



Slip Fitter Mount
KT-ALED-SF-1-KIT



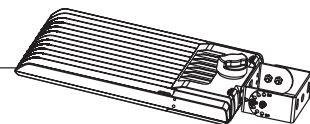
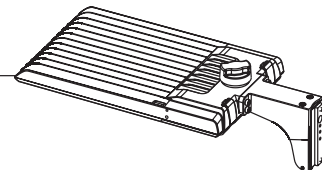
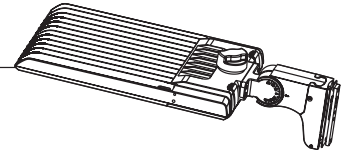
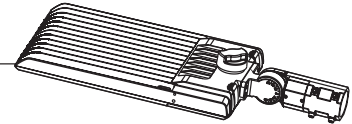
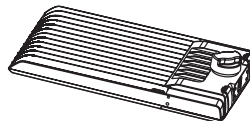
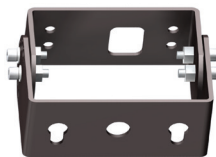
Adjustable Pole Mount
KT-ALED-PMA-1-KIT



Fixed Pole Mount
KT-ALED-PM-1-KIT



Trunnion Mount
KT-ALED-TM-1-KIT



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



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ORDERING INFORMATION

ORDER CODE	PACK QTY.	UPC	Easy Code	DLC PRODUCT ID
KT-ALED140PSHV-M2-OSA-NM-8CSB-VDIM	1	843654153063	KXU-46	S-IUPR34
				S-Y9ODQ1

CATALOG NUMBER BREAKDOWN

KT-ALED140PSHV-M2-OSA-NM-8CSB-VDIM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----

1 Keystone Technologies

2 Area Light

3 LED Technology

4 Max Wattage

5 Power Select

6 High-Voltage

7 Size / Shape

8 Style / Design Designation

9 Optic Swap

10 Optic Swap Designation

11 No Mounting

12 80 CRI

13 Color Select

14 Color Select Designation

15 0-10V Dimming

9 Optic Swap Designation

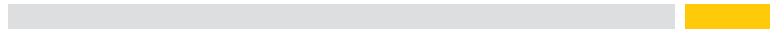
A

Type III lens installed, Type V lens included

ORDERING EXAMPLES

FIXTURE WITH SINGLE FACTORY-INSTALLED ACCESSORY

KT-ALED140PSHV-M2-OSA-NM-8CSB-VDIM /7PRS



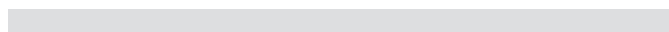
KEYSTONE FIXTURE

CATALOG NUMBER

KT-ALED140PSHV-M2-OSA-NM-8CSB-VDIM

FIXTURE WITH NO FACTORY-INSTALLED ACCESSORIES

KT-ALED140PSHV-M2-OSA-NM-8CSB-VDIM



SENSORS



SUFFIX

CATALOG NUMBER



/7PRS

KT-RSC-7PN

* 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.