

KT-ALED290PSHV-L1-4-NM-8CSB-VDIM

HIGH-VOLTAGE LED AREA LIGHT

DESCRIPTION

High-Voltage LED Area Light | Power Select |
Color Select | 277–480V Input | Bronze Housing

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

- Compact, low-profile design delivers high-performance illumination and improves application site aesthetics
- Heavy-duty, die-cast aluminum housing with ample heat sinking for enhanced thermal performance
- True U0 design for Dark Sky compliant performance eliminates undesirable sky glow
- Keystone Power Select technology (290/210/185W)
- Keystone Color Select technology (3000/4000/5000K)
- Integrated NEMA/ANSI C136.10 3-pin twist-lock receptacle with shorting cap, 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
- Integral latch design for hassle-free, hinged access to driver compartment
- Bi-level occupancy sensor accessory available
- Reversible glare shield available, suitable for backside (house-side) or frontside (street-side) shielding
- Powered by Keystone 0–10V dimming LED driver featuring 12V AUX power tap, 6kV surge protection
- Ambient operating temperature: –40°C/–40°F to 50°C/122°F
- UL Certified for wet locations, IP65
- 0–10V dimming, 10% min
- Power factor: >0.95
- THD: <20%
- LED chip lifetime: L70 >100,000 hrs @ 25°C/77°F ambient fixture temp
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions

ELECTRICAL SPECIFICATIONS

Catalog Number	Selectable Wattage	Selectable CCT	Lumens	Efficacy	Input Voltage	Dimming	CRI	Dist Type	Rated Life	Legacy Equivalent	Housing Color*
KT-ALED290PSHV-L1-4-NM-8CSB-VDIM	290W	3000K	34,800	120 lm/W	277–480V	0–10V	>80	IV	50,000 hrs	400–1,000W MH	Bronze
		4000K	39,150	135 lm/W							
		5000K	36,250	125 lm/W							
	210W	3000K	26,880	128 lm/W							
		4000K	30,030	143 lm/W							
		5000K	27,930	133 lm/W							
	185W	3000K	24,050	130 lm/W							
		4000K	26,825	145 lm/W							
		5000K	24,975	135 lm/W							

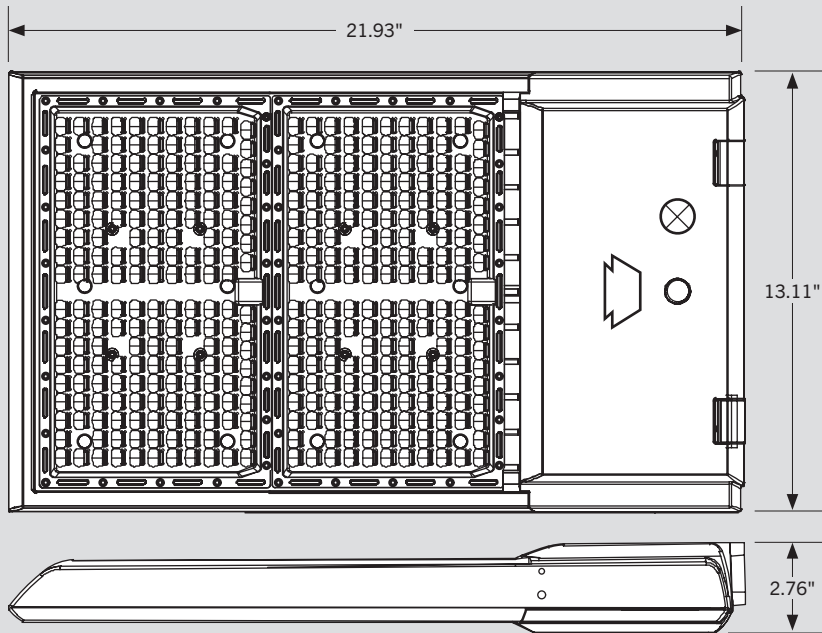
* Fixtures with Type 2 (II) and Type 4 (IV) optics are available and assembled to order. Lead times may apply. Please see catalog number breakdown for full ordering code details.

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PHYSICAL SPECIFICATIONS

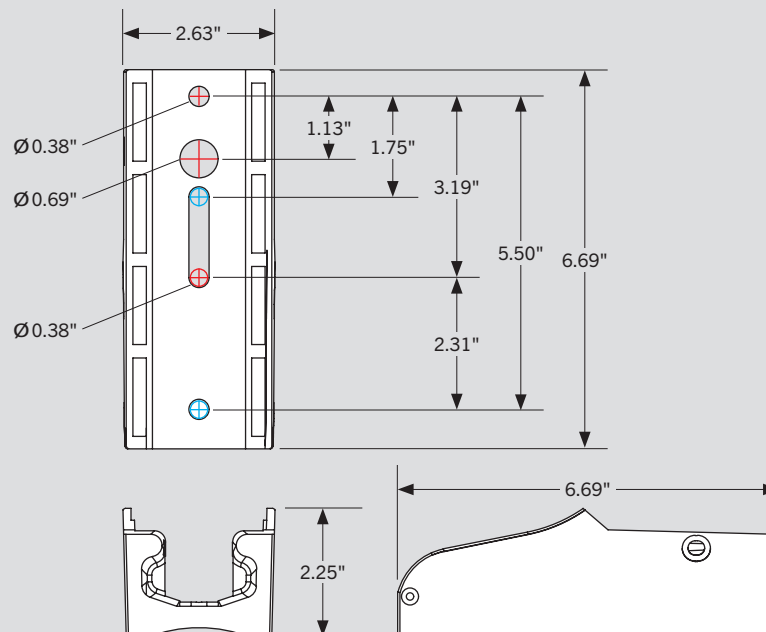
LED AREA LIGHT FIXTURE



PACKAGING

Carton Quantity	1 piece
Carton Dimensions	29.13"L x 15.47"W x 6.5"H
Carton Weight	15.83 lbs

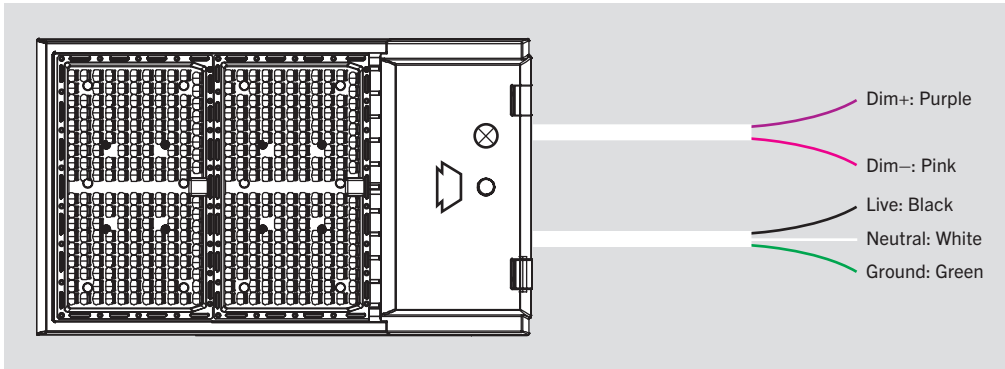
POLE MOUNT (ADJUSTABLE OR FIXED) DRILLING HOLES



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WIRING DIAGRAM

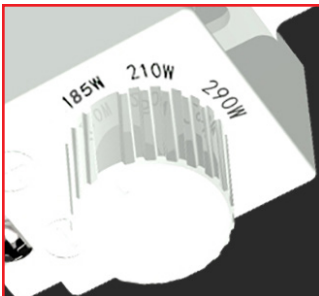


- Make input connections as needed and ensure connections are protected from exposure to the elements.
- Input voltage rating: 277–480V
- Ensure that input voltage on site matches the fixture you intend to install.

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

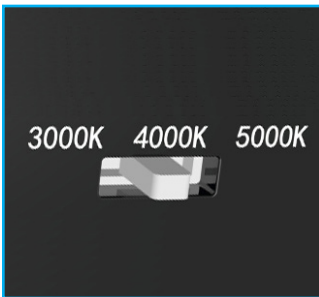
This fixture is equipped with field-adjustable Keystone Power Select and Color Select technology.

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



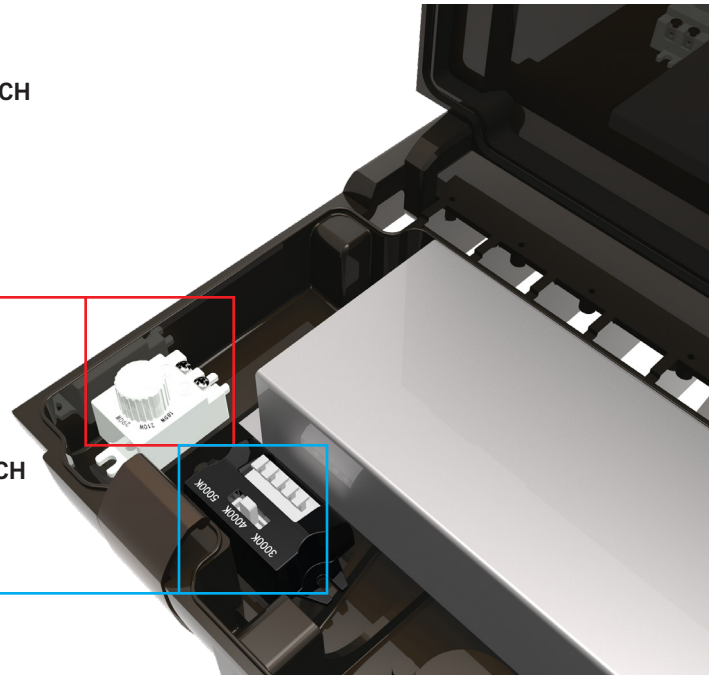
POWER SELECT ADJUSTMENT SWITCH

Set switch to adjust wattage between 290W, 210W, and 185W.
Fixture comes preset at 290W.



COLOR SELECT ADJUSTMENT SWITCH

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



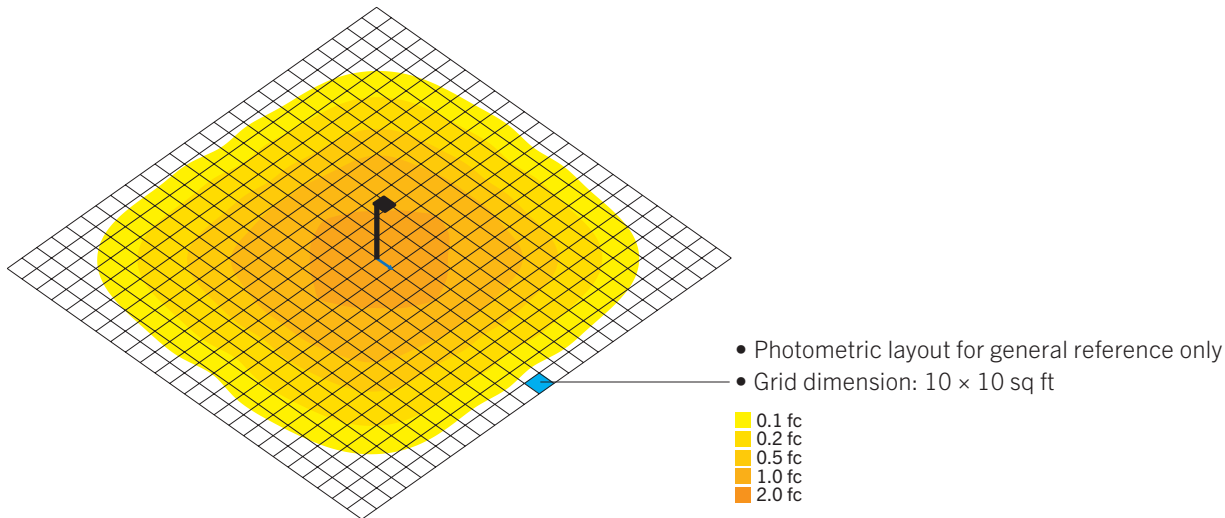
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HIGH-VOLTAGE LED AREA LIGHT

LIGHT DISTRIBUTION PATTERN

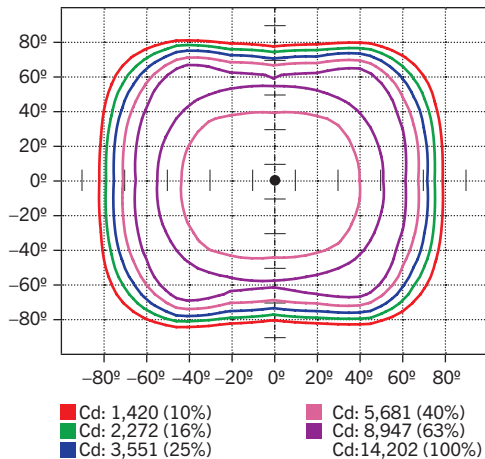
TYPE 5 (V)

Pole-mount view from above; Area light mounted at 35'

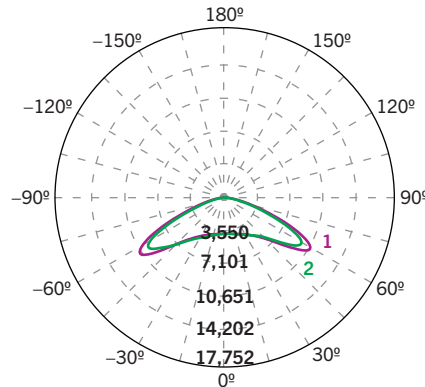


PHOTOMETRIC SPECIFICATIONS (TYPE 4 [IV])

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION



Average diffuse angle (50%): 137.7°

Unit: cd

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light	17,140 lm	50.6%
0°–30°	1,717 lm	5.1%
30°–60°	7,627 lm	22.5%
60°–80°	7,267 lm	21.4%
80°–90°	528 lm	1.6%
Back Light	16,749 lm	49.4%
0°–30°	1,766 lm	5.2%
30°–60°	8,276 lm	24.4%
60°–80°	6,425 lm	19.0%
80°–90°	282 lm	0.8%
Up Light	0 lm	0.0%
90°–100°	0 lm	0.0%
100°–180°	0 lm	0.0%

BUG* Rating

Asymmetrical Luminaire Types	
Type I, II, III, IV	B5 U0 G5
Quadrilateral Symmetrical Luminaire Types	
Type V, Area Light	B5 U0 G4

* Backlight, Uplight, Glare

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MOUNTING BRACKET OPTIONS (SOLD SEPARATELY)

SLIP FITTER MOUNT

Fits 2 3/8" tennon; Bronze

Catalog Number	UPC	Easy Code
KT-ALED-SF-1-KIT	843654131641	JRH-74



ADJUSTABLE POLE MOUNT

For round or square pole; Bronze

Catalog Number	UPC	Easy Code
KT-ALED-PMA-1-KIT	843654131634	DAQ-87



FIXED POLE MOUNT

For round or square pole; Bronze

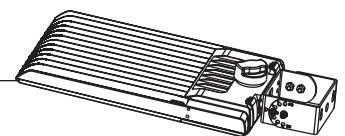
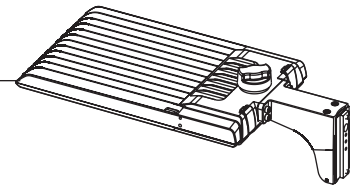
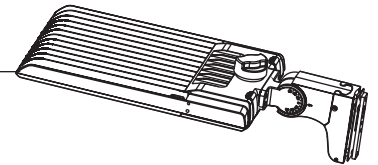
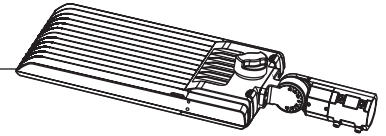
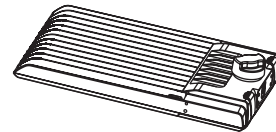
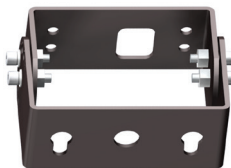
Catalog Number	UPC	Easy Code
KT-ALED-PM-1-KIT	843654131627	QVG-29



TRUNNION MOUNT

Bronze

Catalog Number	UPC	Easy Code
KT-ALED-TM-1-KIT	843654131658	GTH-37



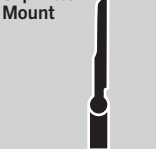
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EPA SPECIFICATIONS

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	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°	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.
Slip Fitter Mount 	Horizontal	0.60 sq. ft.	0.98 sq. ft.	1.20 sq. ft.	1.53 sq. ft.	1.57 sq. ft.	1.53 sq. ft.	0.86 sq. ft.	1.30 sq. ft.	1.73 sq. ft.
Slip Fitter Mount 	45°	1.92 sq. ft.	2.51 sq. ft.	1.92 sq. ft.	3.09 sq. ft.	4.39 sq. ft.	3.09 sq. ft.	3.84 sq. ft.	5.76 sq. ft.	7.68 sq. ft.
Slip Fitter Mount 	Vertical	2.59 sq. ft.	3.19 sq. ft.	2.59 sq. ft.	3.80 sq. ft.	4.07 sq. ft.	3.80 sq. ft.	5.18 sq. ft.	7.77 sq. ft.	10.35 sq. ft.

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ACCESSORIES (SOLD SEPARATELY)

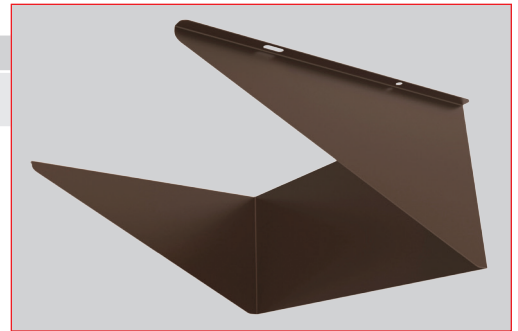
TWIST-LOCK AREA LIGHT CONTROL

Catalog Number	Description	UPC	Easy Code
KT-TLP-HV-3PN	NEMA Type Twist-Lock 3-Pin Photocell 277–480V, 1800VA Max; Yellow Housing	843654131832	CGF-01



GLARE SHIELD

Catalog Number	Description	UPC	Easy Code
KT-ALED-GS-L1-KIT	Reversible Glare Shield Kit; Large (fits "L1" fixture bodies); Bronze Housing	843654131818	LAI-36



MICROWAVE OCCUPANCY SENSOR

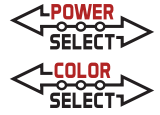
Catalog Number	Description	UPC	Easy Code
KTS-MW3-12V-PKO	12V Microwave Occupancy Sensor	843654130637	TRM-32



REMOTE CONTROL

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





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ORDERING INFORMATION

ORDER CODE	PACK QTY.	UPC	Easy Code
KT-ALED290PSHV-L1-4-NM-8CSB-VDIM	1	843654139050	CXX-90

CATALOG NUMBER BREAKDOWN

KT-ALED290PSHV-L1-4-NM-8CSB-VDIM

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

- 1 Keystone Technologies
- 2 Fixture Type
- 3 LED Technology
- 4 Max Wattage
- 5 Power Select
- 6 High-Voltage
- 7 Size/ Shape
- 8 Style/ Design Designation
- 9 Distribution Type
- 10 Mounting
- 11 80 CRI
- 12 Color Select
- 13 Color Select Designation
- 14 Dimming
- 15 Housing Color

2 Fixture Type

A Area Light

7 Size/ Shape

L Large

8 Style/ Design Designation

1 Series 1

9 Distribution Type

5 Type 5 (V)

10 Mounting

NM No Mounting

13 Color Select Designation

B 3000/4000/5000K

13 Dimming

VDIM 0-10V

15 Housing Color

(Blank) Bronze