KEYSTONE
SINCE 1945
LIGHT MADE EASY®

POWER SELECT | **XFIT** | **PREMIUM PACKAGE**
LED AREA LIGHTS

KT-ALED140PS-M1-3-PMA-8XX-VDIM-P
POLE-MOUNT LED AREA LIGHT PREMIUM PACKAGE

DESCRIPTION

High-Performance Pole-Mount LED Area Light Premium Package **I** Power Select 140W / 100W / 70W all in one **I** 120–277V Input **I** 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)

RoHS Compliant | UL CERTIFIED | DLC QPL LISTED PREMIUM | 5 YEAR WARRANTY | TRUSTED WARRANTY NATIONAL LIGHTING BUREAU

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 allows fixture to be set to 140W, 100W, or 70W settings
- 3-pin twist-lock photocell included along with integrated NEMA/ANSI C136.41 7-pin-twist lock receptacle and shorting cap, covers control needs and variables
- Pre-installed, adjustable pole mount kit with type III fixture optics, ideal for multi-headed pole applications
- 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: –40ºC/–40ºF to 50ºC/122ºF
- UL Certified for wet locations, IP65
- 0–10V dimming, 10% min
- Power factor: >0.95
- THD: <20%
- LED chip lifetime: L70 >100,000 hrs @ 25Cº/77Fº ambient fixture temp
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions

ELECTRICAL SPECIFICATIONS

Catalog Number	Wattage	Lumens	Efficacy	Dimming	Color Temp	CRI	Dist Type	Input Voltage	Rated Life	Legacy Equivalent	Housing Color	Additional Features
KT-ALED140PS-M1-3-PMA-840-VDIM-P	140W 100W 70W	19,300 lm 14,300 lm 10,350 lm	138–148 lm/W	0–10V	4000K	>80	III	120–277V	50,000 hrs	175–400W	Bronze	Premium package featuring: • 140W, 100W, 70W Power Select fixture body • Adjustable pole mount kit • 3-pin twist-lock photocell (with 7-pin receptacle and shorting cap) and full-color box • 6kV built in + 10 kV external surge protection • 12V AUX tap
KT-ALED140PS-M1-3-PMA-850-VDIM-P		19,600 lm 14,500 lm 10,500 lm	140–150 lm/W		5000K							

KEYSTONE
SINCE 1945
LIGHT MADE EASY®

POWER SELECT **XFIT** | **PREMIUM PACKAGE**
LED AREA LIGHTS

KT-ALED140PS-M1-3-PMA-8XX-VDIM-P
POLE-MOUNT LED AREA LIGHT PREMIUM PACKAGE

PHYSICAL SPECIFICATIONS

13.11"
23.23"
6.65"
23.23"
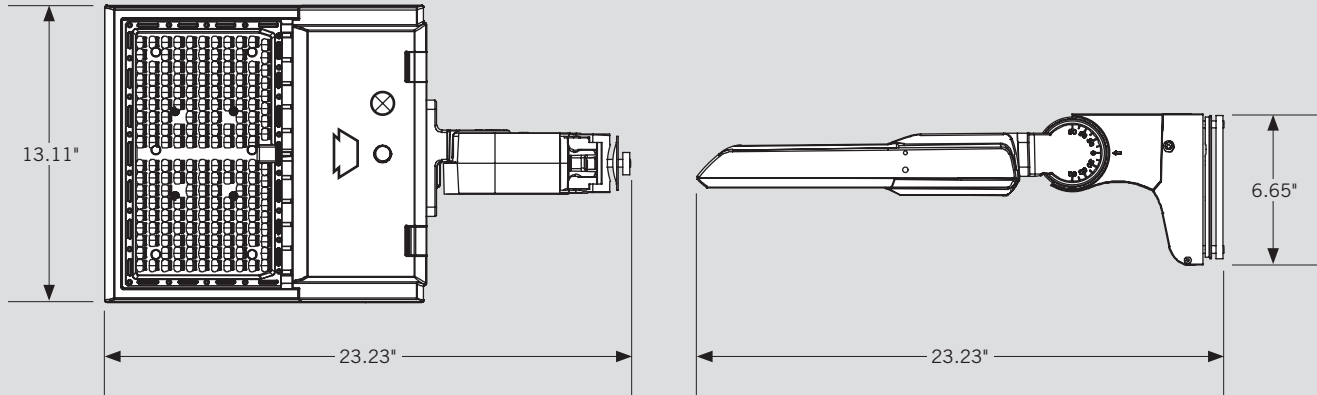
PACKAGING

Carton Quantity	1 piece
Carton Dimensions	6.1"H × 17"W × 24"L
Carton Weight	18 lbs

WIRING DIAGRAM

Dim+: Purple
Dim−: Gray
Live: Black
Neutral: White
Ground: Green
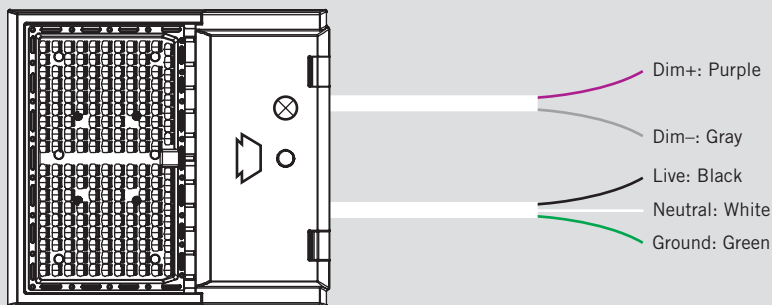
- This fixture comes pre-wired with a 7-pin twist-lock receptacle with shorting cap. Make input connections as needed and ensure connections are protected from exposure to the elements.
- Input voltage rating: 120–277V
- Ensure that input voltage on site matches the fixture you intend to install.
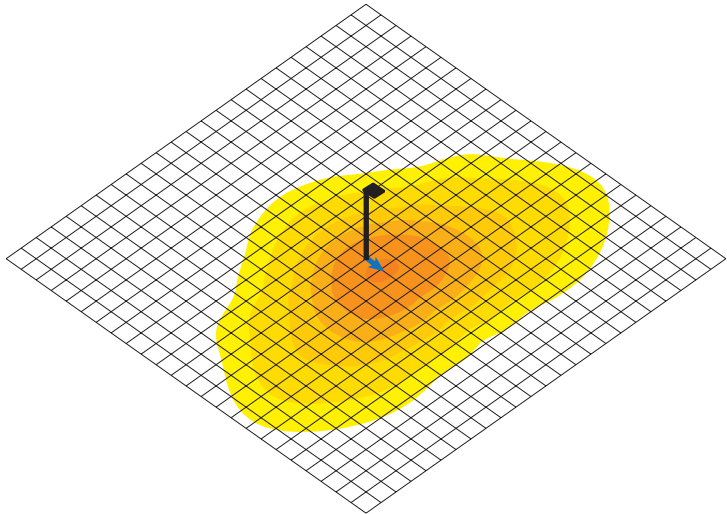
KEYSTONE
SINCE 1945
LIGHT MADE EASY

POWER SELECT | **XFIT** | **PREMIUM PACKAGE**
LED AREA LIGHTS

KT-ALED140PS-M1-3-PMA-8XX-VDIM-P
POLE-MOUNT LED AREA LIGHT PREMIUM PACKAGE

LIGHT DISTRIBUTION PATTERN (TYPE 3 [III])
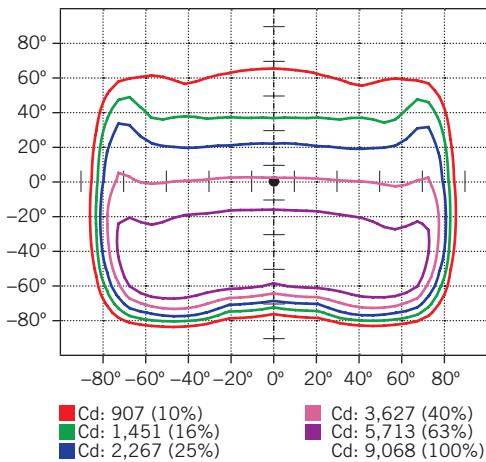
POLE-MOUNT

View from above; Area light mounted at 30'

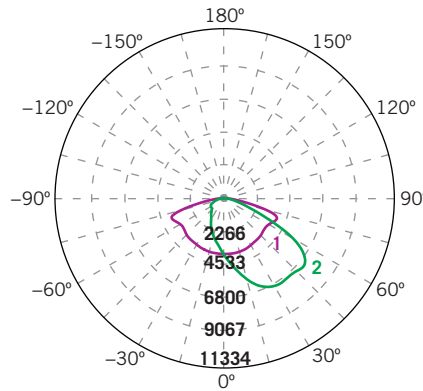- Photometric layout for general reference only
- Grid dimension: 10 × 10 sq ft

  0.1 fc
  0.2 fc
  0.5 fc
  1.0 fc
  2.0 fc
  5.0 fc

PHOTOMETRIC SPECIFICATIONS (TYPE 3 [III])

ISOCANDELA PLOT

Cd: 907 (10%)
Cd: 1,451 (16%)
Cd: 2,267 (25%)
Cd: 3,627 (40%)
Cd: 5,713 (63%)
Cd: 9,068 (100%)

LUMINOUS INTENSITY DISTRIBUTION

2266
4533
6800
9067
11334

Average diffuse angle (50%): **110.8°**
1 Violet C0–C180
2 Green C90–C270
Unit: cd

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light	15,114 lm	77.8%
0°–30°	2,165 lm	11.2%
30°–60°	7,491 lm	38.6%
60°–80°	5,044 lm	26.1%
80°–90°	414 lm	2.1%
Back Light	4,301 lm	22.2%
0°–30°	1,151 lm	5.9%
30°–60°	1,961 lm	10.1%
60°–80°	1,090 lm	5.6%
80°–90°	98 lm	0.5%
Up Light	0 lm	0.0%
90°–100°	0 lm	0.0%
100°–180°	0 lm	0.0%

BUG* Rating	
Asymmetrical Luminare Types	
Type I, II, III, IV	B3 U0 G3
Quadrilateral Symmetrical Luminare Types	
Type V, Area Light	B3 U0 G3

* **B**acklight, **U**plight, **G**lare

KEYSTONE
SINCE 1945
LIGHT MADE EASY

POWER SELECT | **XFIT** | **PREMIUM PACKAGE LED AREA LIGHTS**

KT-ALED140PS-M1-3-PMA-8XX-VDIM-P
POLE-MOUNT LED AREA LIGHT PREMIUM PACKAGE

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 90º	2 Fixtures at 180º	3 Fixtures at 90º	3 Fixtures at 120º	4 Fixtures at 90º	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	45º	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.

![Keystone Light Made Easy — SINCE 1945]

POWER SELECT **XFIT** | **PREMIUM PACKAGE**
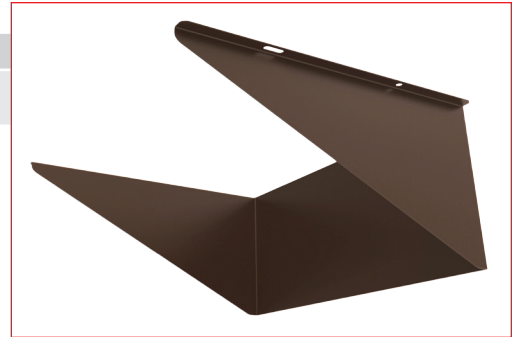**LED AREA LIGHTS**

KT-ALED140PS-M1-3-PMA-8XX-VDIM-P
POLE-MOUNT LED AREA LIGHT PREMIUM PACKAGE

ACCESSORIES (SOLD SEPARATELY)

GLARE SHIELD

Catalog Number	Description	UPC	Easy Code
KT-ALED-GS-M1-KIT	Reversible Glare Shield Kit; Medium (fits "M1" fixture bodies); Bronze Housing	843654131801	DHT-23

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

KEYSTONE SINCE 1945
LIGHT MADE EASY

POWER SELECT **XFIT** | **PREMIUM PACKAGE** **LED AREA LIGHTS**

KT-ALED140PS-M1-3-PMA-8XX-VDIM-P
POLE-MOUNT LED AREA LIGHT PREMIUM PACKAGE

ORDERING INFORMATION

ORDER CODE	PACK QTY.	UPC	Easy Code
KT-ALED140PS-M1-3-PMA-840-VDIM-P	1	843654132006	BXF-97
KT-ALED140PS-M1-3-PMA-850-VDIM-P	1	843654131306	KJN-48

CATALOG NUMBER BREAKDOWN

KT-ALED140PS-M1-3-PMA-8XX-VDIM-P
1   2   3   4   5   6   7   8   9   10   11   12   13   14

1 Keystone Technologies
2 Fixture Type
3 LED Technology
4 Wattage
5 Special Indicator
6 Size/Shape
7 Style/Design Designation
8 Distribution Type
9 Mounting
10 CRI
11 Color Temp
12 Dimming
13 Premium Package
14 Housing Color

2 Fixture Type

A	Area Light

5 Special Indicator

PS	Power Select Technology (120–277V)

6 Size/Shape

M	Medium Housing

7 Style/Design Designation

1	Series 1

8 Distribution Type

2	Type 2 (II)
3	Type 3 (III)
4	Type 4 (IV)
5	Type 5 (V)

9 Mounting

PMA	Adjustable Pole Mounting

10 CRI

8	>80

11 Color Temp

40	4000K
50	5000K

12 Dimming

VDIM	0–10V

13 Premium Package

PM	Full Color Box, Photocell Included, Mount Included

14 Housing Color

Blank	Bronze
B	Black
W	White