KEYSTONE
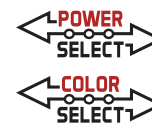SINCE 1945
LIGHT MADE EASY

XFIT

POWER SELECT
COLOR SELECT

KT-FLED140PS-R2X-UNV-8CSB-VDIM
HIGH POWER FLOODLIGHT

DESCRIPTION
High Power Floodlight | Power Select | Color Select | 120-277V | 80 CRI | Bronze Housing

APPLICATION
Ground, pole/tenon, or building mount applications (parking lots, auto dealerships, building facades, signs, recreational venues, general area lighting)

UL CERTIFIED
DLC LISTED PREMIUM
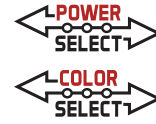TRUSTED WARRANTY NLB NATIONAL LIGHTING BUREAU
10 YEAR LIMITED WARRANTY

PRODUCT FEATURES
- Keystone Power Select technology (140/100W)
- Keystone Color Select technology (3000/4000/5000K)
- High power floodlight with innovative design based on established floodlight principles
- Die cast aluminum housing, with optional glare shield accessory (sold separately)
- Heavy duty, interchangeable slipfitter and trunnion mount options included
- Suitable for ground, pole/tenon, or building mount applications
- 3 pin twist lock photocell and shorting cap included with NEMA/ANSI C136.10 3 pin twist lock receptacle
- Precision-crafted optics lens with NEMA 7H x 6V, 6H x 6V, and 5H x 5V options available. See below chart for details.

- Keystone 0-10V dimming driver with 12V AUX power tap and 6kV surge protection
- Ambient operating temperature: -40°C/-40°F - 50°C/122°F
- UL and DLC listed, 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 Number	Selectable Wattage	Selectable CCT	Lumen Output	Efficacy	Input Voltage	CRI	Dimming	Mounting	Dist. Pattern	Photocell	Rated Life	Legacy Equivalent
KT-FLED140PS-R2B-UNV-8CSB-VDIM	140W	3000K	17500	125 lm/W	120 - 277V	>80	0-10V	Universal: 2 3/8" Slipfitter or Trunnion	7H x 6V	Included	50,000 Hours	400W MH
		4000K	20300	145 lm/W								
KT-FLED140PS-R2C-UNV-8CSB-VDIM		5000K	18900	135 lm/W					6H x 6V			
	100W	3000K	13500	135 lm/W								
KT-FLED140PS-R2D-UNV-8CSB-VDIM		4000K	15500	155 lm/W					5H x 5V			
		5000K	14500	145 lm/W								

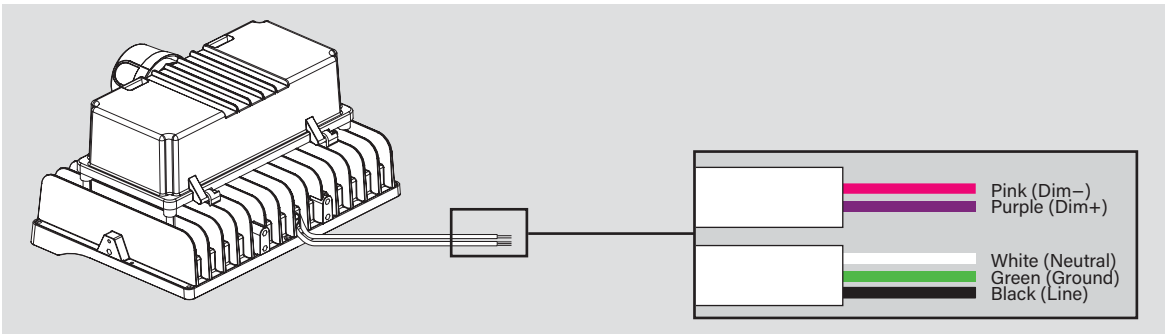*Note: fixtures with 6H x 6V or 5H x 5V optics are assembled to order. Lead times may apply.

KT-FLED140PS-R2X-UNV-8CSB-VDIM
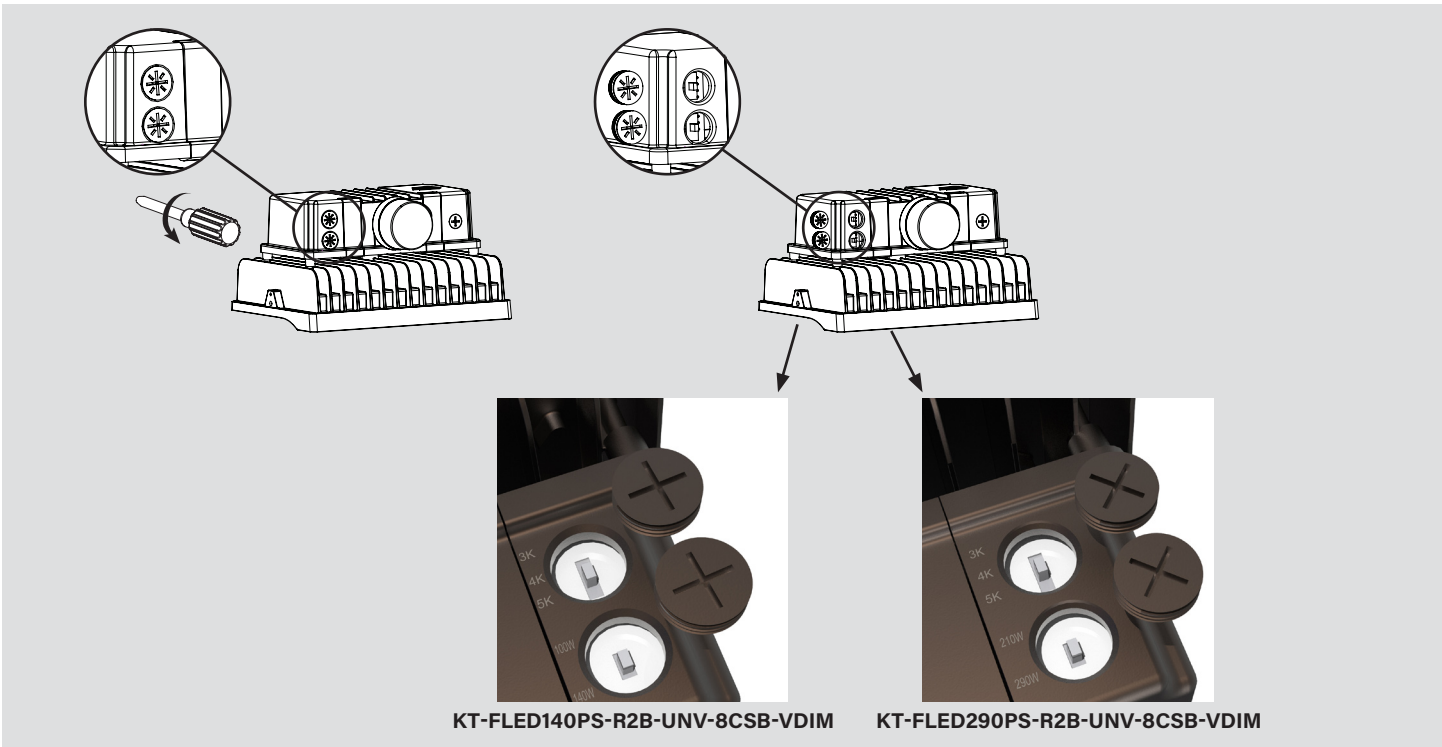## HIGH POWER FLOODLIGHT

WIRING DIAGRAM

GENERAL WIRING DIAGRAM

120–277V Input

Black (Line)
White (Neutral)
Green (Ground)

Driver

Purple (Dim+)
Pink (Dim−)

Dimming wires to 0–10V
IEC-compliant control

Pink (Dim−)
Purple (Dim+)

White (Neutral)
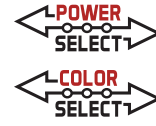Green (Ground)
Black (Line)
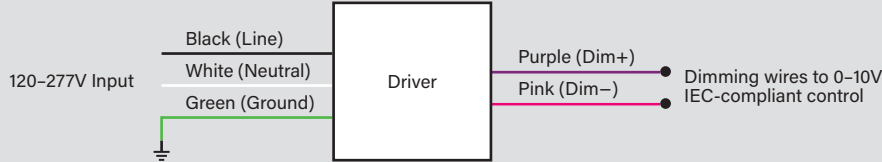
POWER AND COLOR SELECT INSTRUCTIONS

This fixture is equipped with field-adjustable selectable wattage and selectable CCT technology.

1. Ensure power is off to the fixture.
2. Unscrew the gasketed caps from the back of the fixture as shown in the images below.
3. Adjust dip switches to desired settings.
4. Screw on gasketed caps.
5. Restore power to fixture.

KT-FLED140PS-R2B-UNV-8CSB-VDIM   KT-FLED290PS-R2B-UNV-8CSB-VDIM

Keystone Technologies ▪ Philadelphia, PA ▪ Phone (800) 464-2680 ▪ **www.keystonetech.com**
Specifications subject to change. Last revised on 02.20.24

KEYSTONE LIGHT MADE EASY · SINCE 1945

XFIT

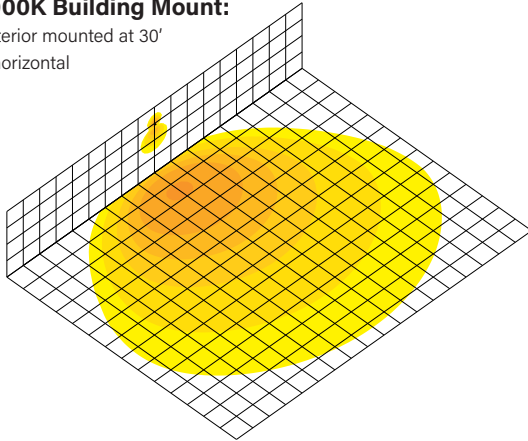POWER SELECT
COLOR SELECT

KT-FLED140PS-R2X-UNV-8CSB-VDIM
HIGH POWER FLOODLIGHT
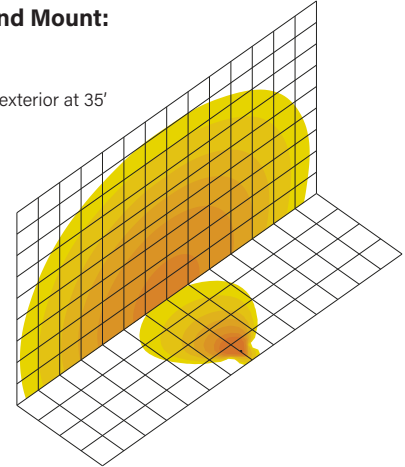
PHOTOMETRICS

140W 5000K Building Mount:
Building exterior mounted at 30′
30° below horizontal
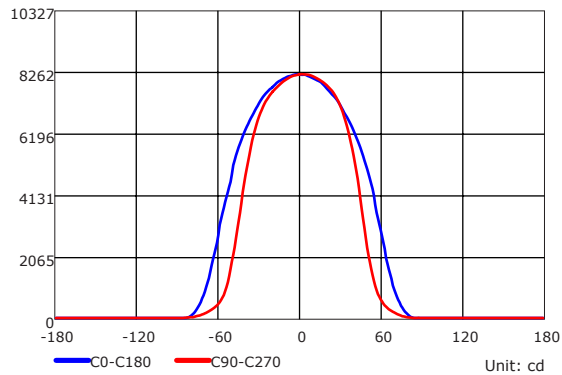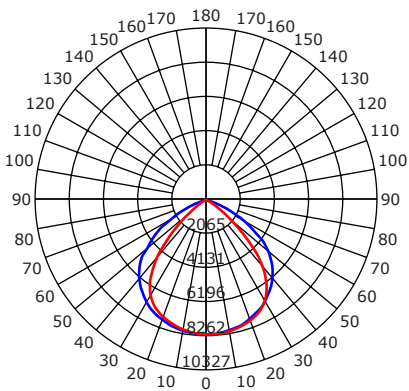
- 0.1fc
- 0.2fc
- 0.5fc
- 1fc
- 2fc
- 5fc
- 10fc

140W 5000K Ground Mount:
6′ above ground
10° above horizontal
Shining towards building exterior at 35′

Luminous Intensity Distribution Curve
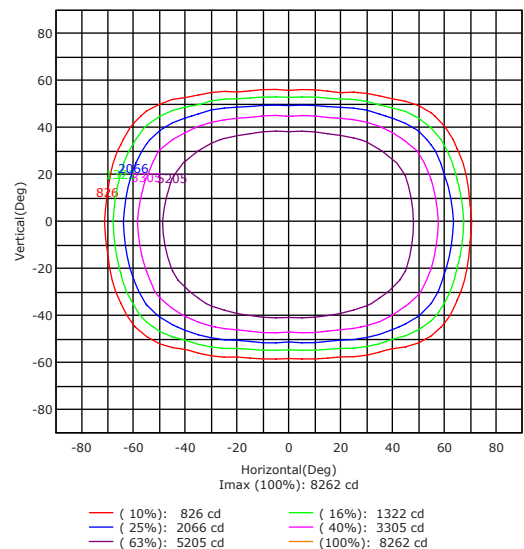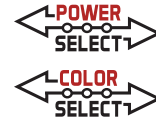

C0-C180   C90-C270   Unit: cd

Illuminance at a Distance

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	8245.55	2.80/1.90	4.4	1757.60
2.0	2061.395	.60/3.80	17.6	439.40
3.0	916.17	8.40/5.70	39.6	195.29
4.05	15.35	11.20/7.60	70.4	109.85
5.0	329.82	14.00/9.50	110.0	70.30
6.0	229.04	16.80/11.41	158.3	48.82
7.0	168.28	19.60/13.31	215.5	35.87
8.0	128.84	22.40/15.21	281.5	27.46
9.0	101.80	25.20/17.11	356.2	21.70
10.0	82.46	28.00/19.01	439.8	17.58

Dh
Dv   Beam Angle(B): H108.9 V87.1 Field Angle(F): H141.7 V113.5

Isocandela (Rectangle)

Horizontal(Deg)
Imax (100%): 8262 cd

(10%): 826 cd		(16%): 1322 cd	
(25%): 2066 cd		(40%): 3305 cd	
(63%): 5205 cd		(100%): 8262 cd	

KT-FLED140PS-R2X-UNV-8CSB-VDIM
HIGH POWER FLOODLIGHT

EPA SPECIFICATIONS

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
Mounting Application	Fixture Position	Housing Size			
Slipfitter Mount	45˚	S (140W)	1.089 sq. ft.	1.778 sq. ft.	1.377 sq. ft.

PHYSICAL SPECIFICATIONS

12.05 in | 6.72 in | 18.23 in | 12.05 in | 6.72 in | 16.85 in
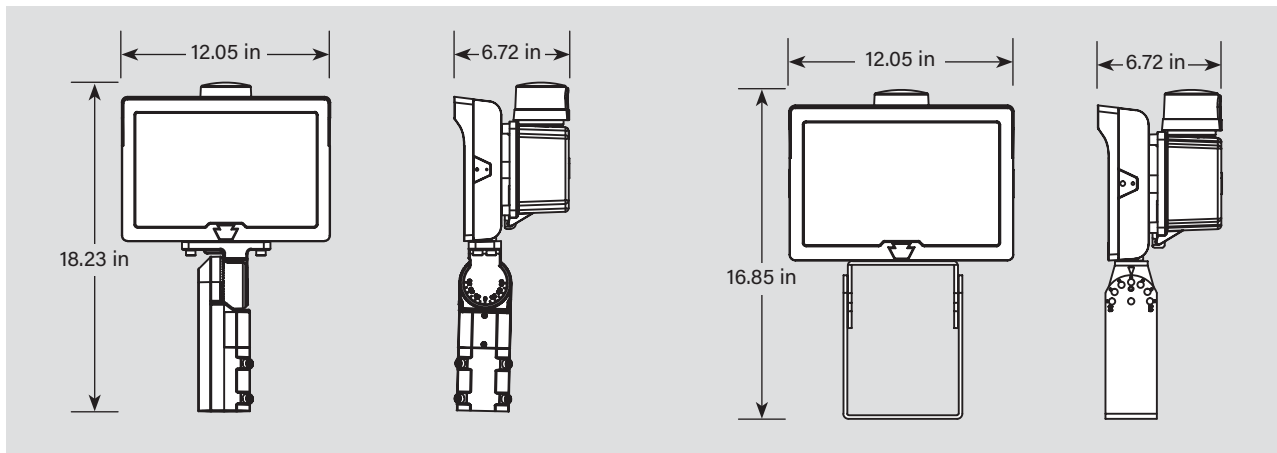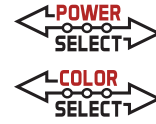
KT-FLED140PS-R2X-UNV-8CSB-VDIM
HIGH POWER FLOODLIGHT

ACCESSORIES

SENSORS

Field-Installable (Included)

| ✓	SUFFIX	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
		KT-TLP-UV-3PN	NEMA-Type 3-Pin Photocell; 120-277V; 1800VA Max	841654131825	NQT-46

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

CORD SETS

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

✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	/515P6	KT-CS-515P-6-18/3	Cord set; 125V NEMA 5-15P; straight blade plug; 6' SJTOW cable; 18/3 wire	843654140124	UKH-26
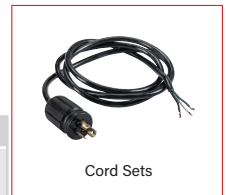
Cord Sets

* For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).
   ***Note:** For cord sets not listed here, please contact your Keystone sales rep.*

MOUNTS AND BRACKETS

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

✓	SUFFIX	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
		KT-FLED-GS-R2-1-KIT	Glare Shield | Used on 140W rectangular Series 2 floodlight | Bronze	843654138688	UBC-72

Glare Shield
KT-FLED-GS-R2-1-KIT

ORDERING INFORMATION

Catalog Number	UPC	Easy Code	DLC PRODUCT ID
KT-FLED140PS-R2B-UNV-8CSB-VDIM	843654138626	AME-92	PT0MP5M5
KT-FLED140PS-R2B-UNV-8CSB-VDIM /TAA	843654158693	XDX-75	PT0MP5M5
KT-FLED140PS-R2C-UNV-8CSB-VDIM	843654145570	BGQ-26	PSFKDM29
KT-FLED140PS-R2D-UNV-8CSB-VDIM	843654145600	PDF-24	PB2GWN9R

CATALOG NUMBER BREAKDOWN

KT-FLED140PS-R2X-UNV-8CSB-VDIM
1   2   3   4   5 6 7   8   9 10 11   12   13

1 Keystone Technologies
2 Floodlight LED
3 Max Wattage
4 Power Select
5 Shape
6 Style
7 Distribution
8 Mounting
9 80 CRI
10 Color Select
11 Color Select Designation
12 0-10V Dimming

5 Shape

R	Rectangular

6 Style

2	Series 2

7 Distribution

B	NEMA 7H x 6V Beam Spread
C	NEMA 6H x 6V Beam Spread
D	NEMA 5H x 5V Beam Spread

8 Mounting

UNV	Universal

11 Color Select Designation

B	3000/4000/5000K

13 TAA Compliant*

/TAA	Made in Mexico

* Note: KT-FLED140PS-R2B-UNV-8CSB-VDIM is the only item available for TAA
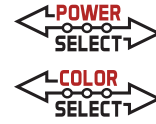
KT-FLED140PS-R2X-UNV-8CSB-VDIM
HIGH POWER FLOODLIGHT

ORDERING EXAMPLES

FIXTURE WITH SINGLE FACTORY-INSTALLED ACCESSORY
KT-FLED140PS-R2X-UNV-8CSB-VDIM /515P6

FIXTURE WITH NO FACTORY-INSTALLED ACCESSORIES
KT-FLED140PS-R2X-UNV-8CSB-VDIM

* 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.

KEYSTONE FIXTURE

CATALOG NUMBER
KT-FLED140PS-R2X-UNV-8CSB-VDIM

SENSORS

✓	SUFFIX	CATALOG NUMBER
✓	-	KT-TLP-UV-3PN

CORD SETS

✓	SUFFIX	CATALOG NUMBER
✓	/515P6	KT-CS-515P-6-18/3