KEYSTONE
SINCE 1945
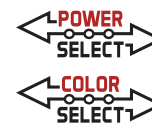LIGHT MADE EASY

XFIT

POWER SELECT
COLOR SELECT

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

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

APPLICATION
Ground, pole, 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 • 5 YEAR WARRANTY
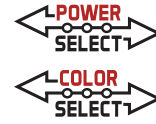
PRODUCT FEATURES
- Keystone Power Select technology (140/100W)
- Keystone Color Select technology (3000/4000/5000K)
- High power floodlight with innovative design based on established floodlight principles
- Die cast aluminum housing, with optional glare shield accessory (sold separately)
- Heavy duty, interchangeable slipfitter and trunnion mount options included
- Suitable for ground, pole, 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-W	140W	3000K	17500	125 lm/W	120 - 277V	>80	0-10V	Universal: 2 3/8" Slip Fitter or Trunnion	7H x 6V	Included	50,000 Hours	400W MH
		4000K	20300	145 lm/W								
KT-FLED140PS-R2C-UNV-8CSB-VDIM-W		5000K	18900	135 lm/W					6H x 6V			
	100W	3000K	13500	135 lm/W								
KT-FLED140PS-R2D-UNV-8CSB-VDIM-W		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.

KEYSTONE SINCE 1945 · LIGHT MADE EASY

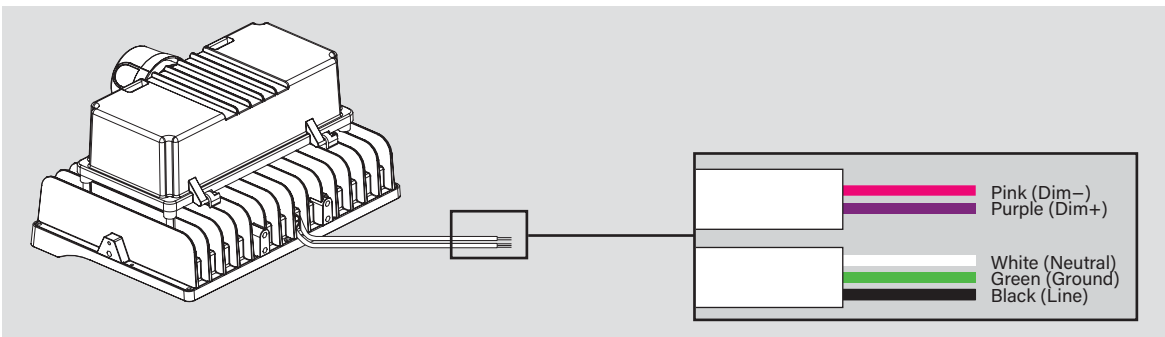**XFIT**

POWER SELECT
COLOR SELECT

KT-FLED140PS-R2X-UNV-8CSB-VDIM-W
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)
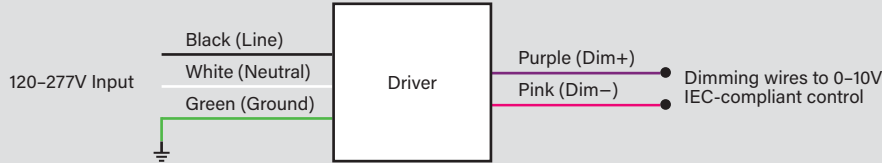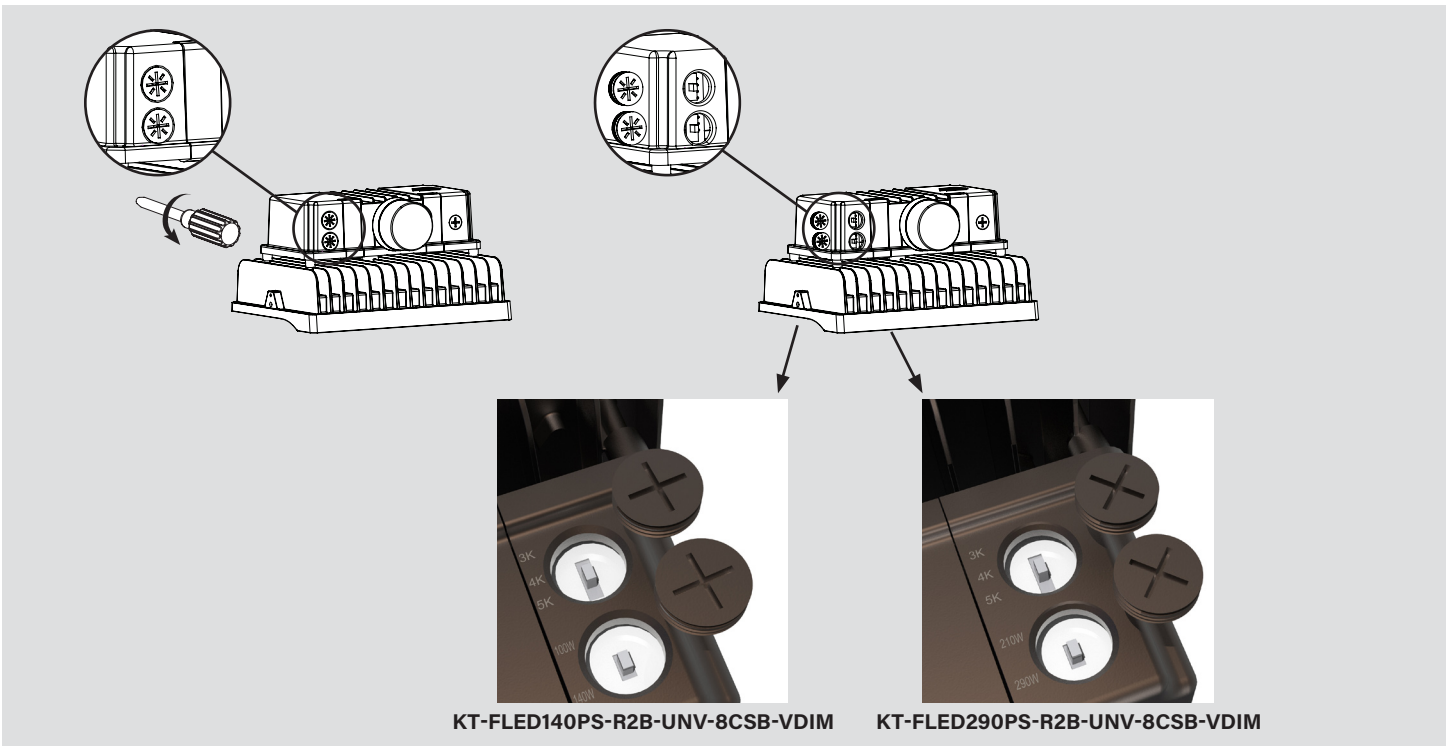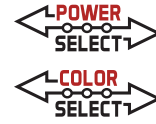
POWER AND COLOR SELECT INSTRUCTIONS

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.
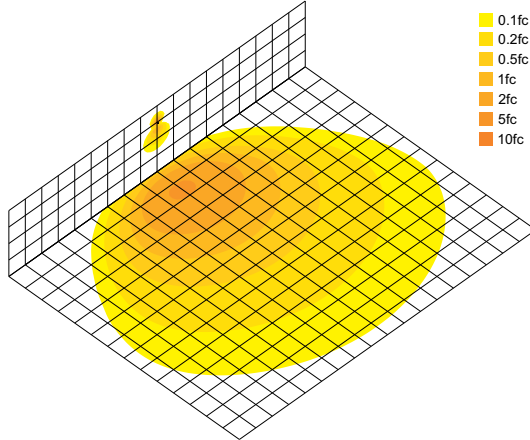5. Restore power to fixture.
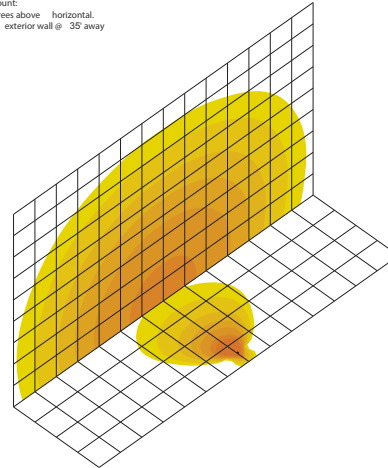

KT-FLED140PS-R2B-UNV-8CSB-VDIM   KT-FLED290PS-R2B-UNV-8CSB-VDIM

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

PHOTOMETRICS

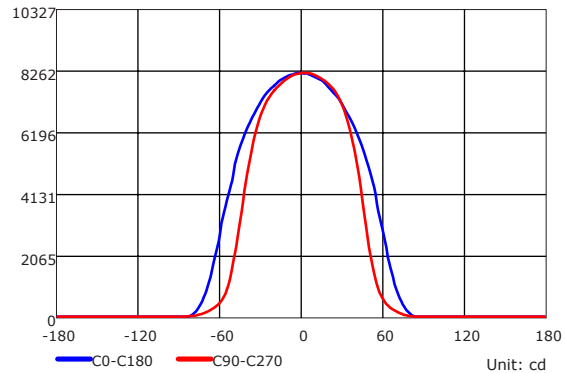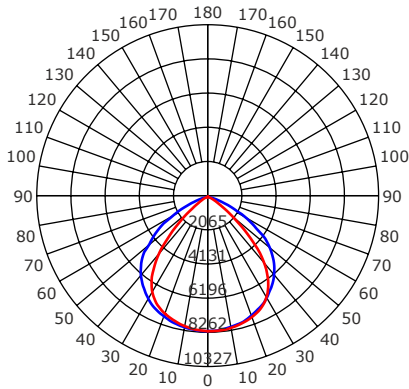140W 5000K Building Mount: Building exterior mounted at 30', 30 degrees below horizon

140W 5000K Ground Mount:
6" above ground. 10 degrees above horizontal.
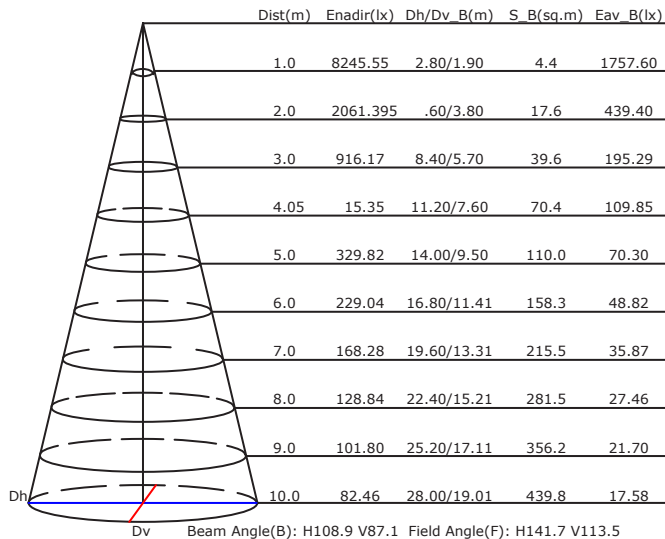Shining towards building exterior wall @ 35' away

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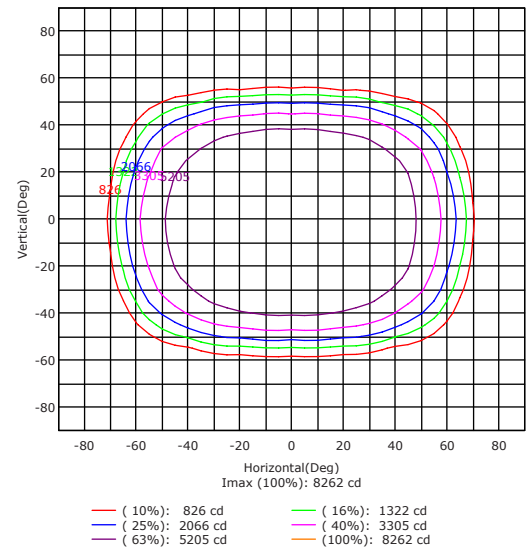- 0.1fc
- 0.2fc
- 0.5fc
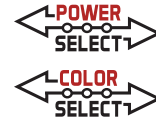- 1fc
- 2fc
- 5fc
- 10fc

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

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	

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

EPA SPECIFICATIONS

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

PHYSICAL SPECIFICATIONS

13.86 in — 7.7 in — 19.88 in — 13.86 in — 18.47 in — 7.7 in — 6.38 in

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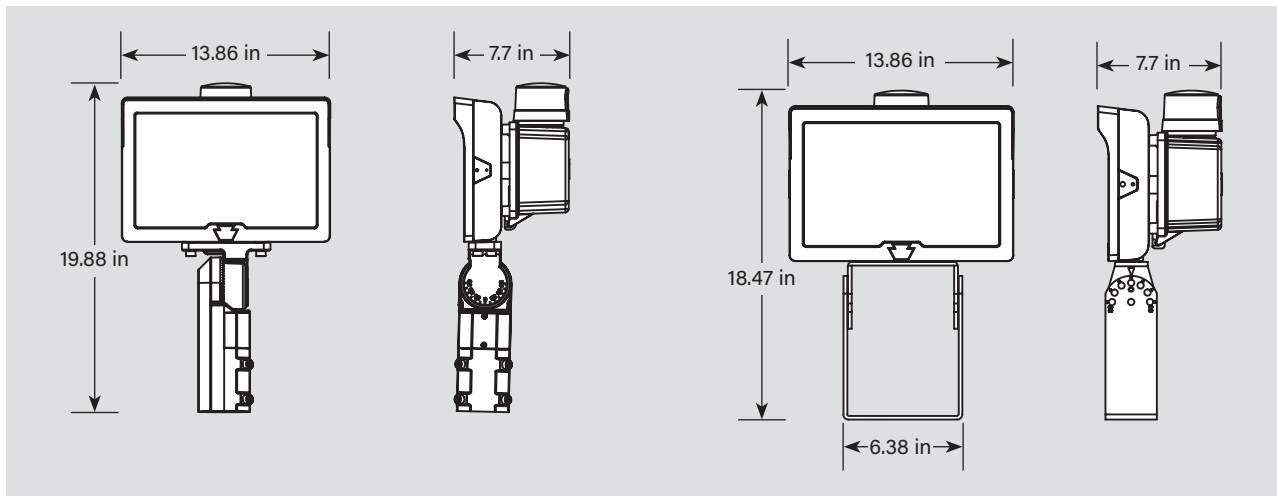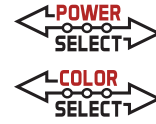
KT-FLED140PS-R2X-UNV-8CSB-VDIM-W
HIGH POWER FLOODLIGHT

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
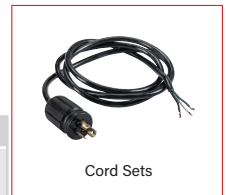
Cord Sets

* 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
	/515P6	KT-FLED-GS-R2-2-KIT-W	Glare shield for 290W Fixture, White	TBD	TBD

Glare Shield
KT-FLED-GS-R2-2-KIT

ORDERING INFORMATION

Catalog Number	UPC	Easy Code	DLC PRODUCT ID
KT-FLED140PS-R2B-UNV-8CSB-VDIM-W	843654138633	EDG-69	PT0MP5M5
KT-FLED140PS-R2C-UNV-8CSB-VDIM-W	843654145587	TSO-07	PSFKDM29
KT-FLED140PS-R2D-UNV-8CSB-VDIM-W	843654145617	SDI-41	PB2GWN9R

CATALOG NUMBER BREAKDOWN
KT-FLED140PS-R2X-UNV-8CSB-VDIM-W
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
13	Finish

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 Finish

W	White

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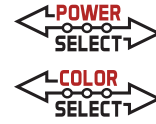
KT-FLED140PS-R2X-UNV-8CSB-VDIM-W
HIGH POWER FLOODLIGHT

ORDERING EXAMPLES

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

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

* 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-W		

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

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