

KT-FLED290PSHV-R2X-UNV-8CSB-VDIM

HIGH POWER FLOODLIGHT

DESCRIPTION

High Power Floodlight | Power Select | Color Select | 277-480V | 80 CRI | Bronze Housing

APPLICATION

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



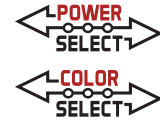
PRODUCT FEATURES

- Keystone Power Select technology (290/210W)
- 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-FLED290PSHV-R2B-UNV-8CSB-VDIM	290W	3000K	34800	120 lm/W	277 - 480V	>80	0-10V	Universal: 2 3/8" Slip Fitter or Trunnion	7H x 6V	Included	50,000 Hours	1000W MH
KT-FLED290PSHV-R2C-UNV-8CSB-VDIM		4000K	40600	140 lm/W					6H x 6V			
		5000K	37700	130 lm/W								
KT-FLED290PSHV-R2D-UNV-8CSB-VDIM	210W	3000K	27300	130 lm/W					5H x 5V			
		4000K	29400	140 lm/W								
		5000K	28350	135 lm/W								

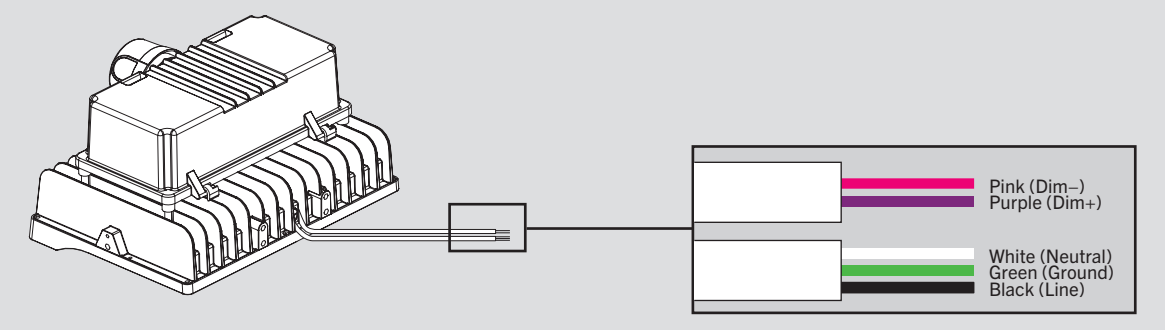
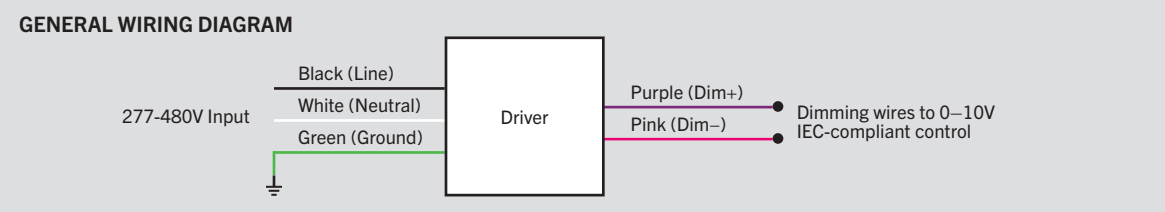
*Note: fixtures with 6H x 6V or 5H x 5V optics are assembled to order. Lead times may apply.



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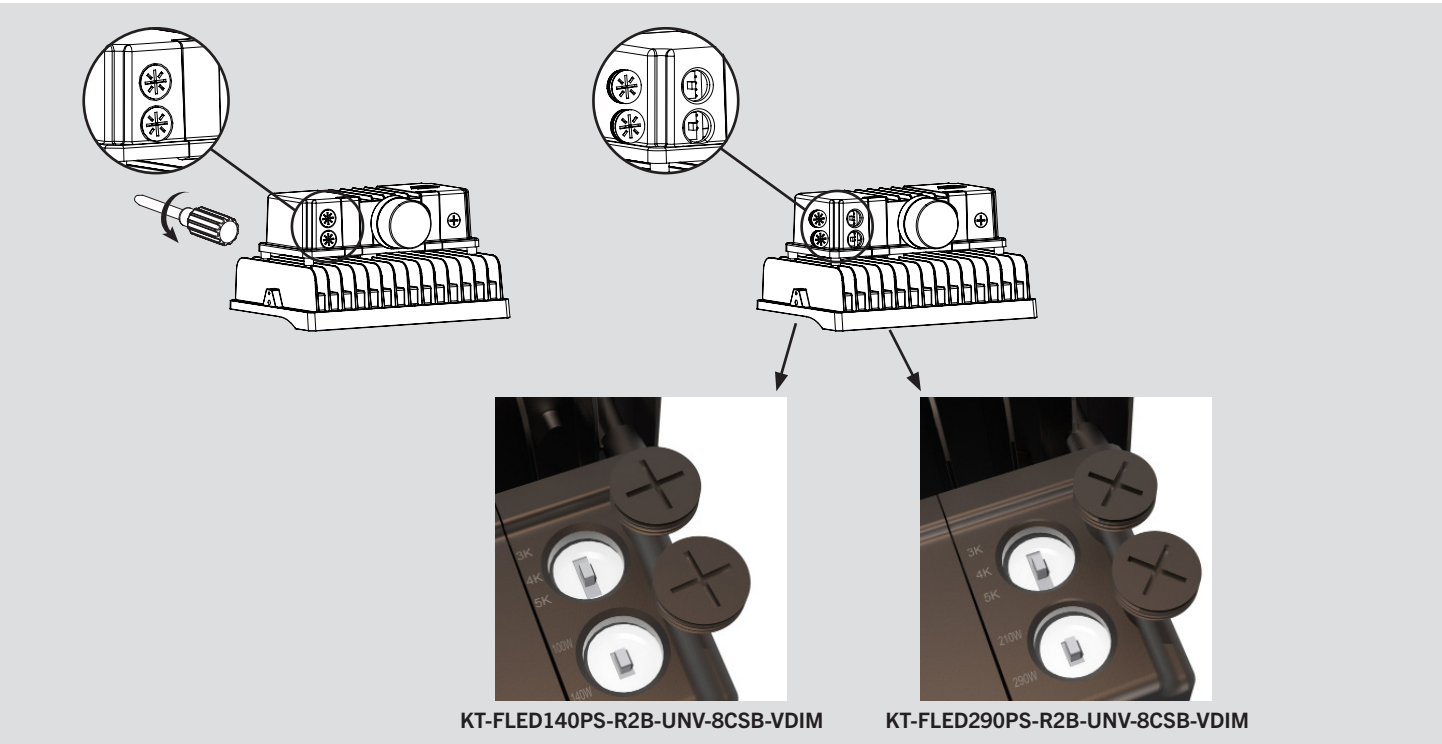
WIRING DIAGRAM



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.



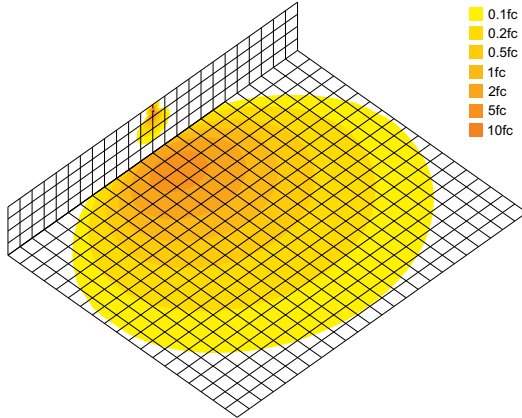


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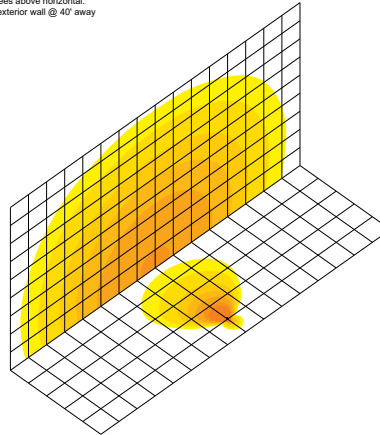
PHOTOMETRICS

290W 5000K Building Mount: Building exterior mounted at 35', 30 degrees below horizon



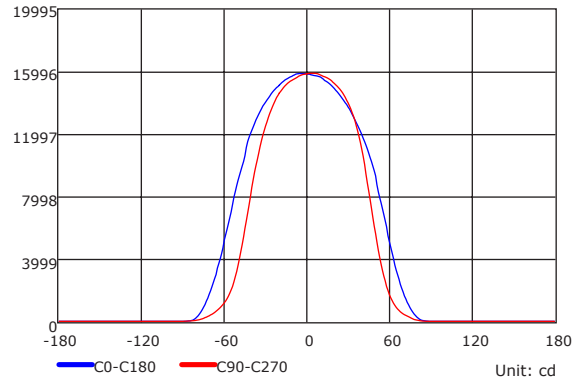
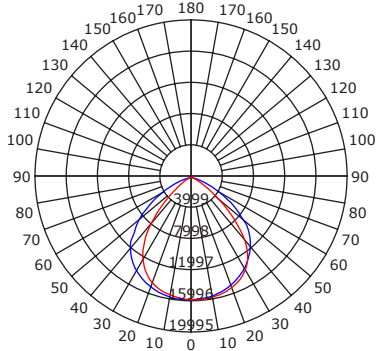
- 0.1fc
- 0.2fc
- 0.5fc
- 1fc
- 2fc
- 5fc
- 10fc

290W 5000K Ground Mount:
6' above ground, 10 degrees above horizontal.
Shining towards building exterior wall @ 40' away



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

Luminous Intensity Distribution Curve

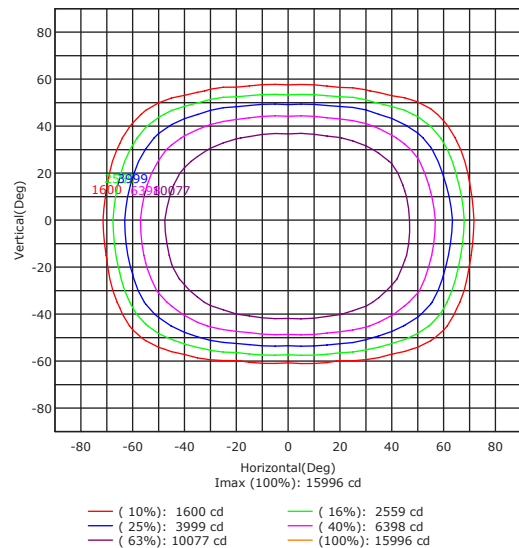


Illuminance at a Distance

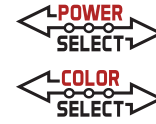
Dist(m)	Enadir(lx)	Dh/Dv	B(m)	S B(sq.m)	Eav B(lx)
1.0	15954.392	.66/1.89	4.13	17.06	515.49
2.03	988.605	.31/3.79	16.6	275.56	878.87
3.0	1772.717	.97/5.68	37.3	1388.09	390.61
4.0	997.15	10.63/7.57	66.4	4388.96	219.72
5.06	38.18	13.28/9.47	103.7	10754.41	140.62
6.0	443.18	15.94/11.36	149.3	22290.49	97.65
7.03	25.60	18.59/13.25	203.2	41291.84	71.74
8.0	249.29	21.25/15.15	265.4	70457.16	54.93
9.0	196.97	23.91/17.04	335.94	112838.81	34.0
10.0	159.54	26.56/18.94	414.73	171967.52	5.15

Dh Beam Angle(B): H106.0 V86.9 Field Angle(F): H142.8 V117.8

Isocandela (Rectangle)



- (10%): 1600 cd
- (25%): 3999 cd
- (63%): 10077 cd
- (16%): 2559 cd
- (40%): 6398 cd
- (100%): 15996 cd



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EPA SPECIFICATIONS

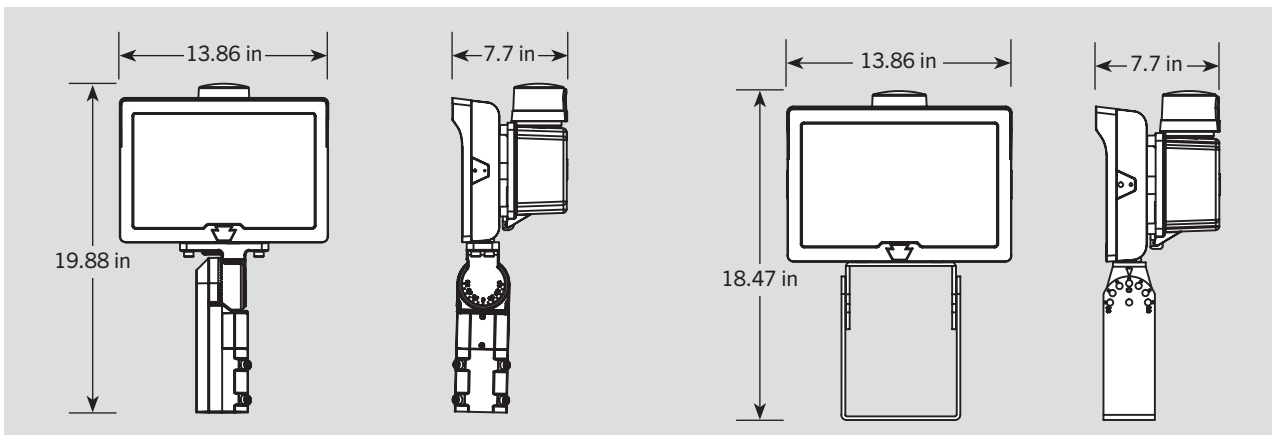
Small-Size Fixture Housing

- 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*ft² | View)

Mounting Application	Fixture Position	Housing Size	Single Fixture	2 Fixtures at 90°	2 Fixtures at 180°
					
Slip Fitter Mount 	45°	L (290W)	1.139 sq. ft.	1.831 sq. ft.	1.384 sq. ft.

PHYSICAL SPECIFICATIONS



EXPLODED VIEW





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ORDERING INFORMATION

Catalog Number	Easy Code	UPC
KT-FLED290PSHV-R2B-UNV-8CSB-VDIM	HNG-71	843654138671
KT-FLED290PSHV-R2C-UNV-8CSB-VDIM	NNB-24	843654145655
KT-FLED290PSHV-R2D-UNV-8CSB-VDIM	HKF-40	843654145686

ACCESSORIES (INCLUDED)

Catalog Number	DescriptionC	Color
KT-TLP-HV-3PN	NEMA-Type 3-Pin Photocell; 277-480V; 1800VA max	Yellow



ACCESSORIES (SOLD SEPARATELY)

Catalog Number	Description
KT-FLED-GS-R2-2-KIT	Glare shield for 290W Fixture



CATALOG NUMBER BREAKDOWN

KT-FLED290PSHV-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 High Voltage	6 Shape	7 Style	8 Distribution	9 Mounting	10	11	12 Color Select Designation	13
					R Rectangular	2 Series 2	B NEMA 7H x 6V Beam Spread	UNV Universal			B 3000/4000/5000K	
							C NEMA 6H x 6V Beam Spread					
							D NEMA 5H x 5V Beam Spread					