

KT-FLEDXXXPSXX-R2X-UNV-8CSB-VDIM-X

HIGH POWER FLOODLIGHT

DESCRIPTION

High Power Floodlight | Power Select | Color Select | 120-277V or 277-480V Input | 80 CRI | Bronze or White Housing

APPLICATION

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



10 YEAR
LIMITED WARRANTY



PRODUCT FEATURES

- Keystone Power Select technology (140/100W or 290/210W)
- Keystone Color Select technology (3000/4000/5000K)
- High power floodlight with innovative design based on established floodlight principles
- Suitable for ground, pole, or building mount applications
- Heavy-duty slipfitter and trunnion mount options included
- 3-pin twist-lock photocell and shorting cap included with NEMA/ANSI C136.10 3-pin twist-lock receptacle
- Precision-crafted optics lens for NEMA 7H x 6V beam spread (installed), 6H x 6V and 5H x 5V also available (sold separately)
- Die-cast aluminum housing, with optional glare shield accessory (sold separately)
- 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 Certified
- IP65 rated
- Power factor: > 0.95
- THD: < 20%
- L70 @ 100,000 hours @ 25°C/77°F ambient temperature
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions

**** TAA options available. See Ordering Information below**

PRODUCT IMAGES



KT-FLED140PSXX-R2X-UNV-8CSB-VDIM
with Slipfitter Mount



KT-FLED140PSXX-R2X-UNV-8CSB-VDIM
with Trunnion Mount



KT-FLED290PSXX-R2X-UNV-8CSB-VDIM
with Slipfitter Mount



KT-FLED290PSXX-R2X-UNV-8CSB-VDIM
with Trunnion Mount



KT-FLED140PSXX-R2X-UNV-8CSB-VDIM-W
with Slipfitter Mount



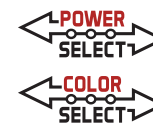
KT-FLED140PSXX-R2X-UNV-8CSB-VDIM-W
with Trunnion Mount



KT-FLED290PSXX-R2X-UNV-8CSB-VDIM-W
with Slipfitter Mount



KT-FLED290PSXX-R2X-UNV-8CSB-VDIM-W
with Trunnion Mount



KT-FLEDXXXPSXX-R2X-UNV-8CSB-VDIM-X

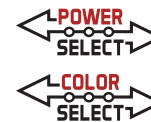
HIGH POWER FLOODLIGHT

PRODUCT SPECIFICATIONS

Catalog Number	Selectable Wattage	Selectable CCT	Lumen Output	Efficacy	Input Voltage	CRI	Dimming	Mounting	Dist Pattern	Rated Life	Legacy Equivalent
KT-FLED140PS-R2B-UNV-8CSB-VDIM KT-FLED140PS-R2B-UNV-8CSB-VDIM-W	140W	3000K	17500	125 lm/W	120-277V	>80	0-10V	Slipfitter installed Trunnion included	7H x 6V	50,000 Hours	400W MH
		4000K	20300	145 lm/W							
		5000K	18900	135 lm/W							
	100W	3000K	13500	135 lm/W							
		4000K	15500	155 lm/W							
		5000K	14500	145 lm/W							
KT-FLED140PS-R2C-UNV-8CSB-VDIM KT-FLED140PS-R2C-UNV-8CSB-VDIM-W	140W	3000K	17500	125 lm/W					6H x 6V		
		4000K	20300	145 lm/W							
		5000K	18900	135 lm/W							
	100W	3000K	13500	135 lm/W							
		4000K	15500	155 lm/W							
		5000K	14500	145 lm/W							
KT-FLED140PS-R2D-UNV-8CSB-VDIM KT-FLED140PS-R2D-UNV-8CSB-VDIM-W	140W	3000K	17500	125 lm/W					5H x 5V		
		4000K	20300	145 lm/W							
		5000K	18900	135 lm/W							
	100W	3000K	13500	135 lm/W							
		4000K	15500	155 lm/W							
		5000K	14500	145 lm/W							
KT-FLED140PSHV-R2B-UNV-8CSB-VDIM	140W	3000K	17500	125 lm/W	277-480V	>80	0-10V	Slipfitter installed Trunnion included	7H x 6V	50,000 Hours	400W MH
		4000K	20300	145 lm/W							
		5000K	18900	135 lm/W							
	100W	3000K	13500	135 lm/W							
		4000K	15500	155 lm/W							
		5000K	14500	145 lm/W							
KT-FLED140PSHV-R2C-UNV-8CSB-VDIM	140W	3000K	17500	125 lm/W					6H x 6V		
		4000K	20300	145 lm/W							
		5000K	18900	135 lm/W							
	100W	3000K	13500	135 lm/W							
		4000K	15500	155 lm/W							
		5000K	14500	145 lm/W							
KT-FLED140PSHV-R2D-UNV-8CSB-VDIM	140W	3000K	17500	125 lm/W					5H x 5V		
		4000K	20300	145 lm/W							
		5000K	18900	135 lm/W							
	100W	3000K	13500	135 lm/W							
		4000K	15500	155 lm/W							
		5000K	14500	145 lm/W							

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

(Product Specifications continue on next page)



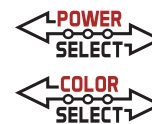
KT-FLEDXXXPSXX-R2X-UNV-8CSB-VDIM-X

HIGH POWER FLOODLIGHT

PRODUCT SPECIFICATIONS (CONTINUED)

Catalog Number	Selectable Wattage	Selectable CCT	Lumen Output	Efficacy	Input Voltage	CRI	Dimming	Mounting	Dist Pattern	Rated Life	Legacy Equivalent
KT-FLED290PS-R2B-UNV-8CSB-VDIM KT-FLED290PS-R2B-UNV-8CSB-VDIM-W	290W	3000K	34800	120 lm/W	120-277V	>80	0-10V	Slipfitter installed Trunnion included	7H x 6V	50,000 Hours	1000W MH
		4000K	40600	140 lm/W							
		5000K	37700	130 lm/W							
	210W	3000K	27300	130 lm/W							
		4000K	29400	140 lm/W							
		5000K	28350	135 lm/W							
KT-FLED290PS-R2C-UNV-8CSB-VDIM KT-FLED290PS-R2C-UNV-8CSB-VDIM-W	290W	3000K	34800	120 lm/W					6H x 6V		
		4000K	40600	140 lm/W							
		5000K	37700	130 lm/W							
	210W	3000K	27300	130 lm/W							
		4000K	29400	140 lm/W							
		5000K	28350	135 lm/W							
KT-FLED290PS-R2D-UNV-8CSB-VDIM KT-FLED290PS-R2D-UNV-8CSB-VDIM-W	290W	3000K	34800	120 lm/W				5H x 5V			
		4000K	40600	140 lm/W							
		5000K	37700	130 lm/W							
	210W	3000K	27300	130 lm/W							
		4000K	29400	140 lm/W							
		5000K	28350	135 lm/W							
KT-FLED290PSHV-R2B-UNV-8CSB-VDIM	290W	3000K	34800	120 lm/W	277-480V	>80	0-10V	Slipfitter installed Trunnion included	7H x 6V	50,000 Hours	1000W MH
		4000K	40600	140 lm/W							
		5000K	37700	130 lm/W							
	210W	3000K	27300	130 lm/W							
		4000K	29400	140 lm/W							
		5000K	28350	135 lm/W							
KT-FLED290PSHV-R2C-UNV-8CSB-VDIM	290W	3000K	34800	120 lm/W					6H x 6V		
		4000K	40600	140 lm/W							
		5000K	37700	130 lm/W							
	210W	3000K	27300	130 lm/W							
		4000K	29400	140 lm/W							
		5000K	28350	135 lm/W							
KT-FLED290PSHV-R2D-UNV-8CSB-VDIM	290W	3000K	34800	120 lm/W				5H x 5V			
		4000K	40600	140 lm/W							
		5000K	37700	130 lm/W							
	210W	3000K	27300	130 lm/W							
		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.

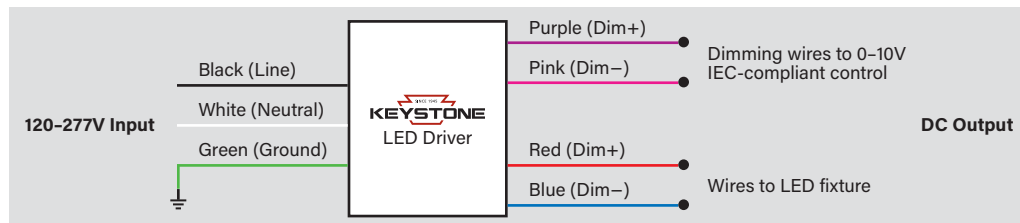


KT-FLEDXXXPSXX-R2X-UNV-8CSB-VDIM-X

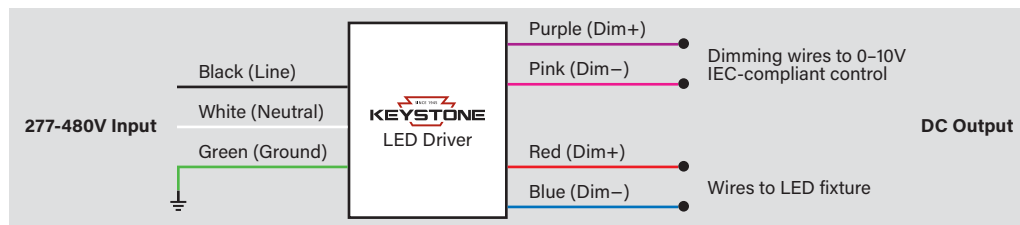
HIGH POWER FLOODLIGHT

GENERAL WIRING DIAGRAM

120-277V



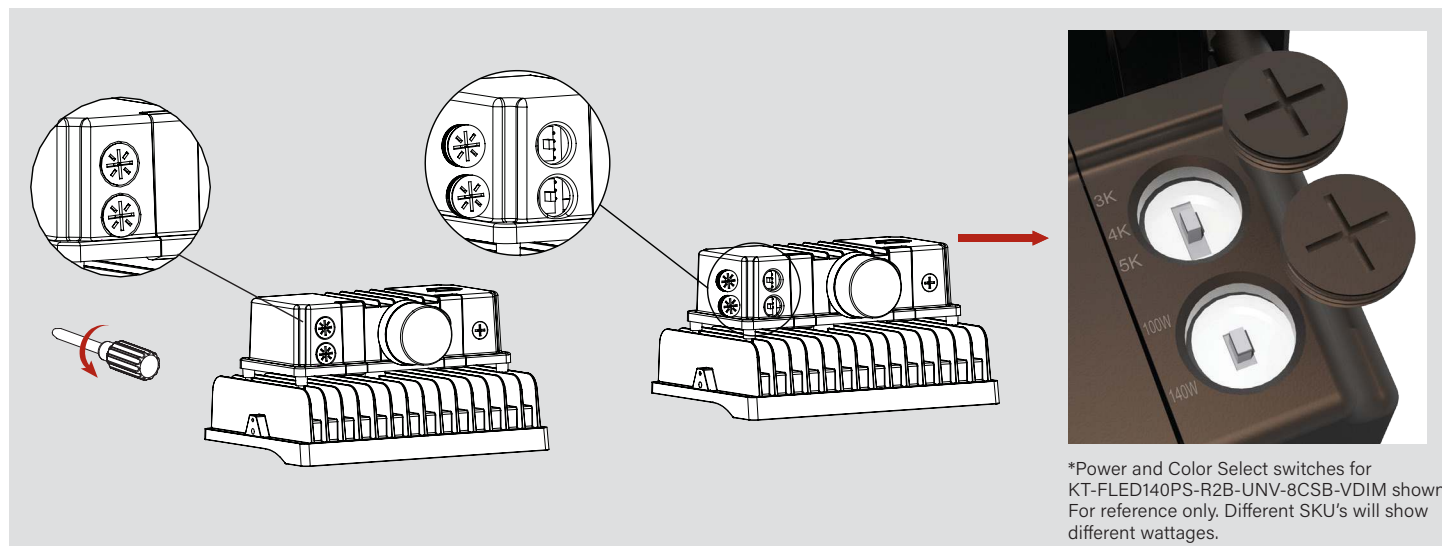
277-480V

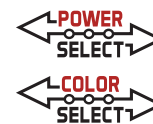


PERFORMANCE SPECIFICATIONS

POWER SELECT (WATTAGE) AND COLOR SELECT (CCT)

1. Ensure power is off to the fixture.
2. Unscrew gasketed cap from the back of the fixture as shown in the image below.
3. Adjust dip switches to desired settings. *Note: all fixtures are factory preset to highest wattage, 5000K.*
4. Screw on gasketed cap.
5. Restore power to fixture.



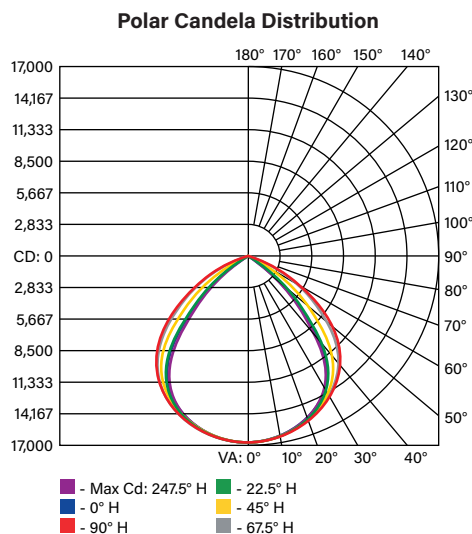
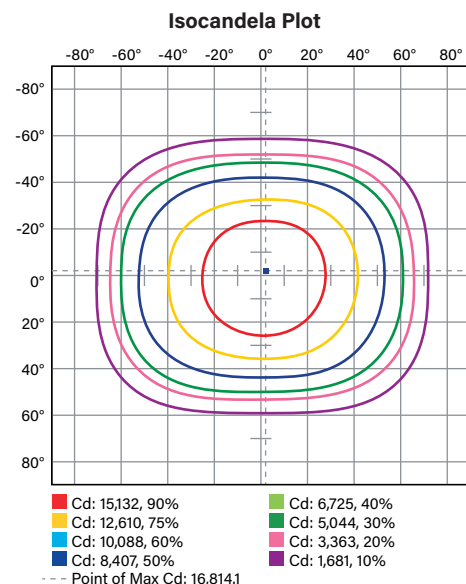


KT-FLEDXXXPSXX-R2X-UNV-8CSB-VDIM-X

HIGH POWER FLOODLIGHT

PHOTOMETRICS

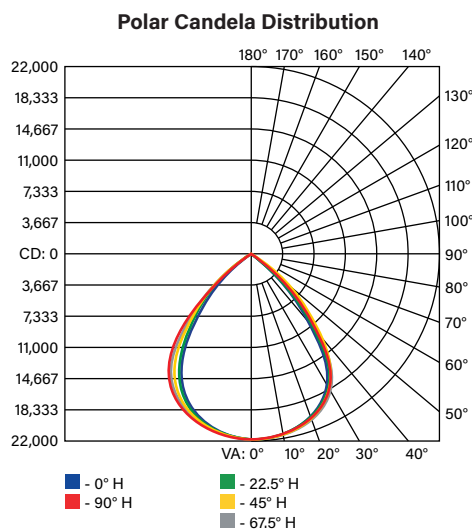
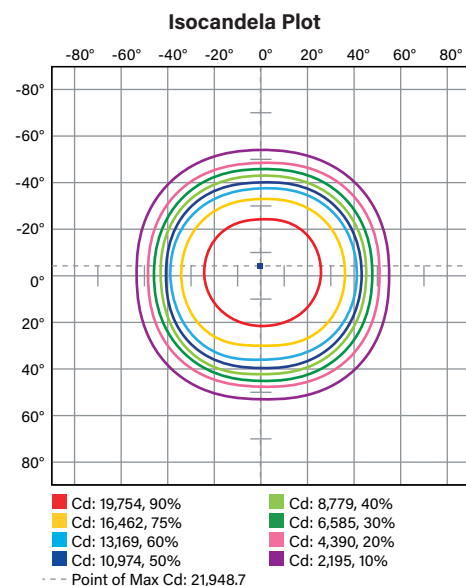
KT-FLED290PS-R2B-UNV-8SCB-VDIM-X (7H x 6V)



Lum. Classification System (LCS)

LCS Zone	Lumens	% Lamp	% Luminaire
FL (0-30)	6589.6	18.6	18.6
FM (30-60)	9801.3	27.6	27.6
FH (60-80)	1134.7	3.2	3.2
FVH (80-90)	18.7	0.1	0.1
BL (0-30)	6608.5	18.6	18.6
BM (30-60)	10172.9	28.6	28.6
BH (60-80)	1167.3	3.3	3.3
BVH (80-90)	22.4	0.1	0.1
UL (90-100)	0.0	0.0	0.0
UH (100-180)	0.0	0.0	0.0
Total	35515.4	100.1	100.0
BUG Rating	B5-U0-G3		

KT-FLED290PS-R2C-UNV-8SCB-VDIM-X (6H x 6V)



Lum. Classification System (LCS)

LCS Zone	Lumens	% Lamp	% Luminaire
FL (0-30)	8604.2	24.2	24.2
FM (30-60)	9105.2	25.6	25.6
FH (60-80)	470.3	1.3	1.3
FVH (80-90)	11.7	0.0	0.0
BL (0-30)	8404.8	23.7	23.7
BM (30-60)	8444.5	23.8	23.8
BH (60-80)	481.0	1.4	1.4
BVH (80-90)	15.8	0.0	0.0
UL (90-100)	0.0	0.0	0.0
UH (100-180)	0.0	0.0	0.0
Total	35537.5	100.0	100.0
BUG Rating	B5-U0-G1		

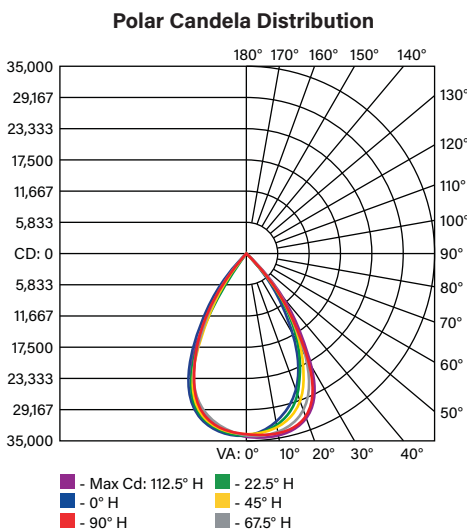
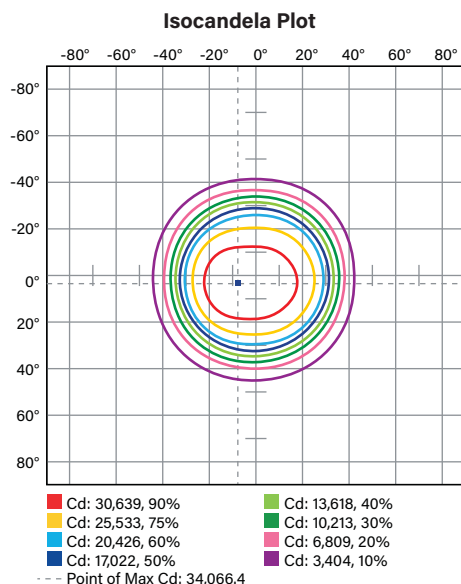
(Photometrics continue on next page)

KT-FLEDXXXPSXX-R2X-UNV-8CSB-VDIM-X

HIGH POWER FLOODLIGHT

PHOTOMETRICS (CONTINUED)

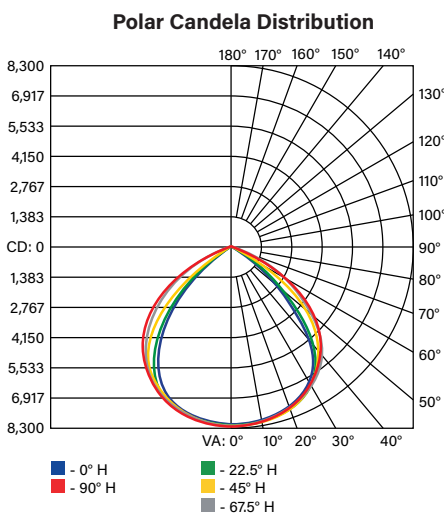
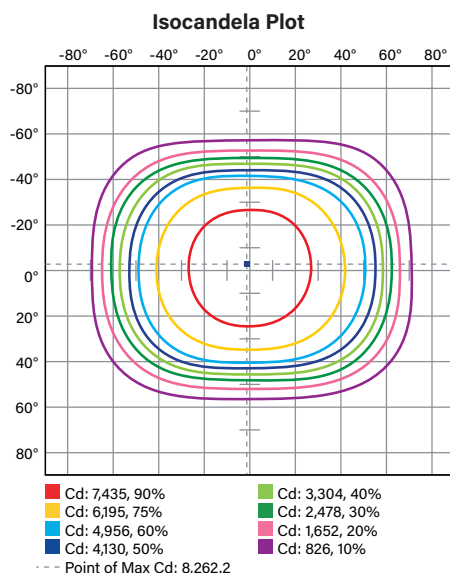
KT-FLED290PS-R2D-UNV-8SCB-VDIM-X (5H x 5V)



Lum. Classification System (LCS)

LCS Zone	Lumens	% Lamp	% Luminaire
FL (0-30)	11333.1	32.1	32.1
FM (30-60)	5044.0	14.3	14.3
FH (60-80)	506.8	1.4	1.4
FVH (80-90)	10.3	0.0	0.0
BL (0-30)	12141.4	34.4	34.4
BM (30-60)	5781.1	16.4	16.4
BH (60-80)	495.5	1.4	1.4
BVH (80-90)	14.1	0.0	0.0
UL (90-100)	0.0	0.0	0.0
UH (100-180)	0.0	0.0	0.0
Total	35326.3	100.0	100.0
BUG Rating	B5-U0-G1		

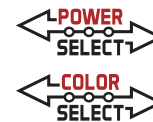
KT-FLED140PS-R2B-UNV-8CSB-VDIM-X (7H x 6V)



Lum. Classification System (LCS)

LCS Zone	Lumens	% Lamp	% Luminaire
FL (0-30)	3279.7	18.5	18.5
FM (30-60)	5274.8	29.7	29.7
FH (60-80)	557.4	3.1	3.1
FVH (80-90)	7.6	0.0	0.0
BL (0-30)	3229.3	18.2	18.2
BM (30-60)	4900.0	27.6	27.6
BH (60-80)	487.1	2.7	2.7
BVH (80-90)	7.9	0.0	0.0
UL (90-100)	0.0	0.0	0.0
UH (100-180)	0.0	0.0	0.0
Total	17743.8	99.8	100.0
BUG Rating	B4-U0-G1		

(Photometrics continue on next page)



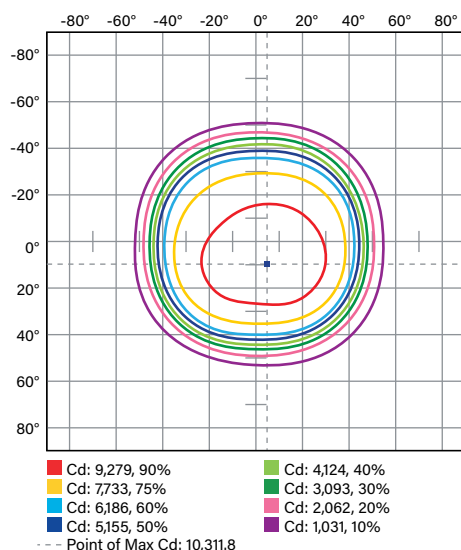
KT-FLEDXXXPSXX-R2X-UNV-8CSB-VDIM-X

HIGH POWER FLOODLIGHT

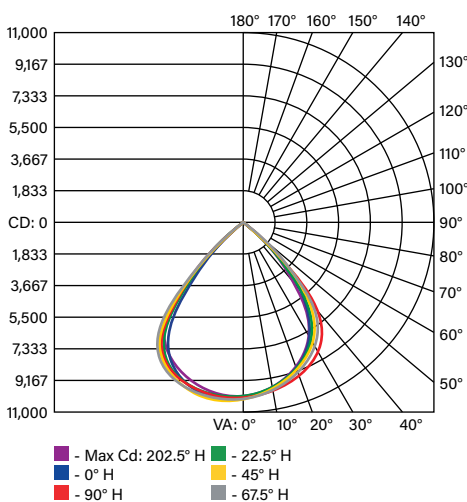
PHOTOMETRICS (CONTINUED)

KT-FLED140PS-R2C-UNV-8CSB-VDIM-X (6H x 6V)

Isocandela Plot



Polar Candela Distribution

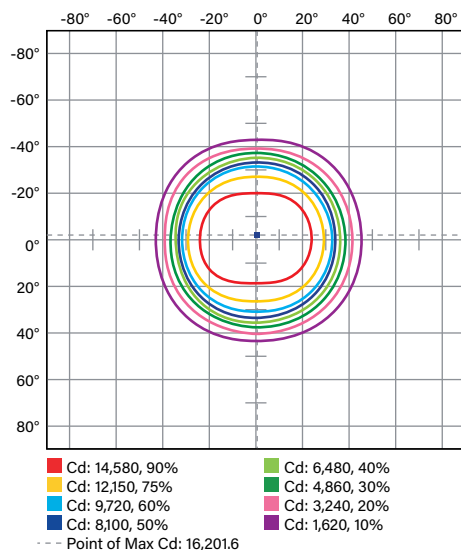


Lum. Classification System (LCS)

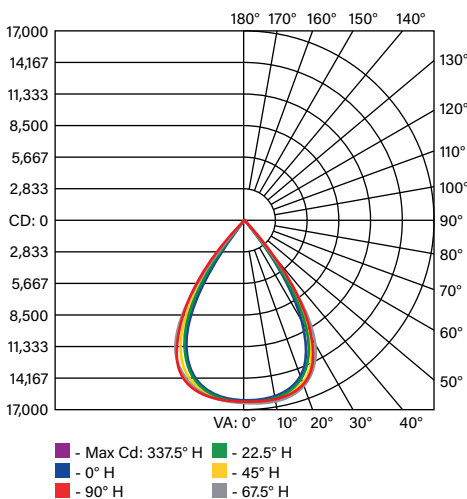
LCS Zone	Lumens	% Lamp	% Luminaire
FL (0-30)	3833.9	22.7	22.7
FM (30-60)	3955.9	23.4	23.4
FH (60-80)	197.8	1.2	1.2
FVH (80-90)	4.4	0.0	0.0
BL (0-30)	4113.5	24.4	24.4
BM (30-60)	4533.5	26.8	26.8
BH (60-80)	241.3	1.4	1.4
BVH (80-90)	5.8	0.0	0.0
UL (90-100)	0.0	0.0	0.0
UH (100-180)	0.0	0.0	0.0
Total	16886.1	99.9	100.0
BUG Rating	B4-U0-G1		

KT-FLED140PS-R2D-UNV-8CSB-VDIM-X (5H x 5V)

Isocandela Plot



Polar Candela Distribution



Lum. Classification System (LCS)

LCS Zone	Lumens	% Lamp	% Luminaire
FL (0-30)	6138.9	33.2	33.2
FM (30-60)	3053.7	16.5	16.5
FH (60-80)	169.6	0.9	0.9
FVH (80-90)	1.6	0.0	0.0
BL (0-30)	6022.2	32.6	32.6
BM (30-60)	2912.5	15.8	15.8
BH (60-80)	174.1	0.9	0.9
BVH (80-90)	2.8	0.0	0.0
UL (90-100)	0.0	0.0	0.0
UH (100-180)	0.0	0.0	0.0
Total	18475.4	99.9	100.0
BUG Rating	B5-U0-G0		

KT-FLEDXXXPSXX-R2X-UNV-8CSB-VDIM-X

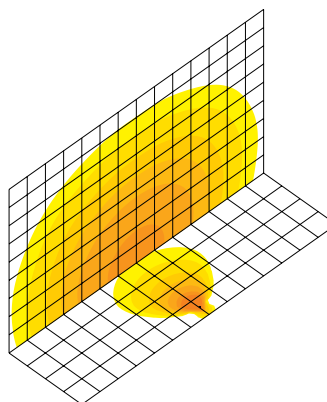
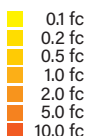
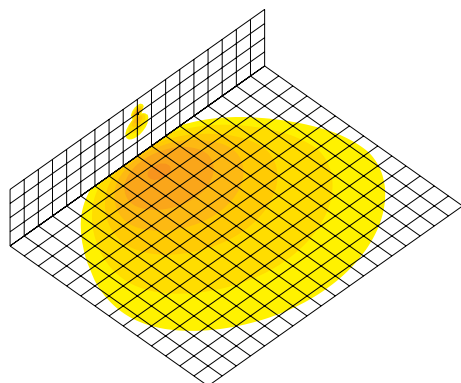
HIGH POWER FLOODLIGHT

LIGHT DISTRIBUTION PATTERNS: Isometric View from Above

KT-FLED140PS-R2B-UNV-8CSB-VDIM-X | KT-FLED140PSHV-R2B-UNV-8CSB-VDIM (7H x 6V)

Building exterior mounted at 30' | Aimed 30° below horizontal

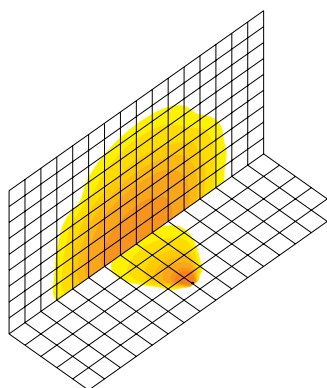
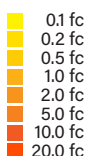
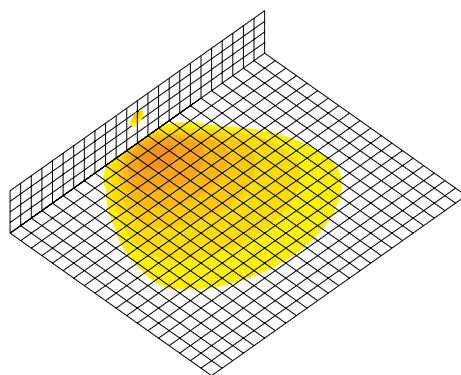
Ground mounted 6" above ground, 35' from building | Aimed 10° above horizontal



KT-FLED140PS-R2C-UNV-8CSB-VDIM-X | KT-FLED140PSHV-R2C-UNV-8CSB-VDIM (6H x 6V)

Building exterior mounted at 30' | Aimed 30° below horizontal

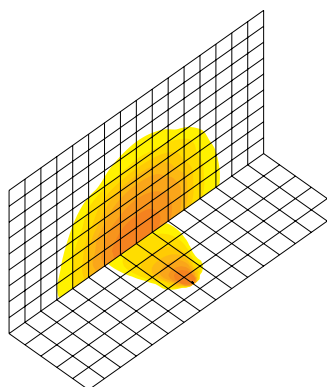
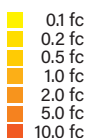
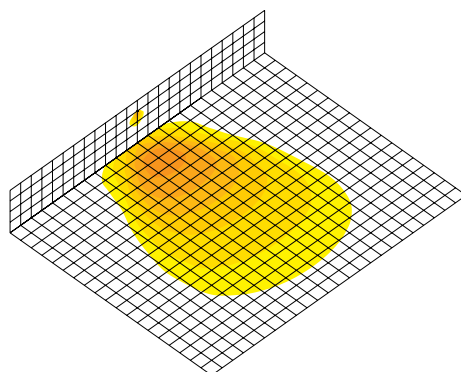
Ground mounted 6" above ground, 35' from building | Aimed 10° above horizontal



KT-FLED140PS-R2D-UNV-8CSB-VDIM-X | KT-FLED140PSHV-R2D-UNV-8CSB-VDIM (5H x 5V)

Building exterior mounted at 30' | Aimed 30° below horizontal

Ground mounted 6" above ground, 35' from building | Aimed 10° above horizontal



(Light Distribution Patterns continue on next page)

KT-FLEDXXXPSXX-R2X-UNV-8CSB-VDIM-X

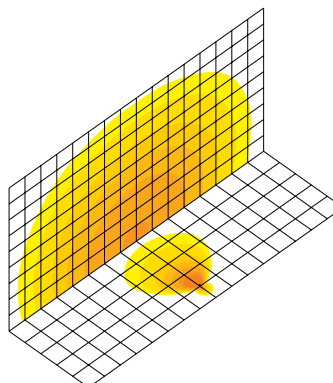
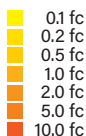
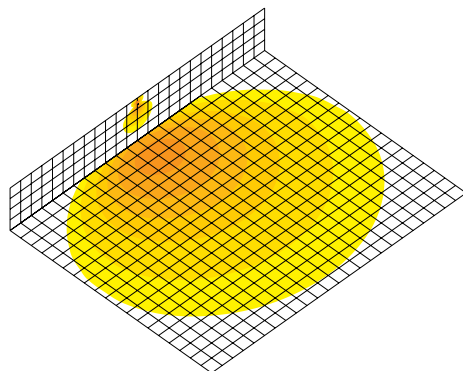
HIGH POWER FLOODLIGHT

LIGHT DISTRIBUTION PATTERNS: Isometric View from Above (CONTINUED)

KT-FLED290PS-R2B-UNV-8CSB-VDIM-X | KT-FLED290PSHV-R2B-UNV-8CSB-VDIM (7H x 6V)

Building exterior mounted at 35' | Aimed 30° below horizontal

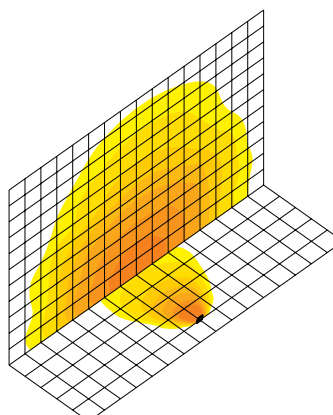
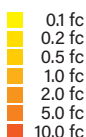
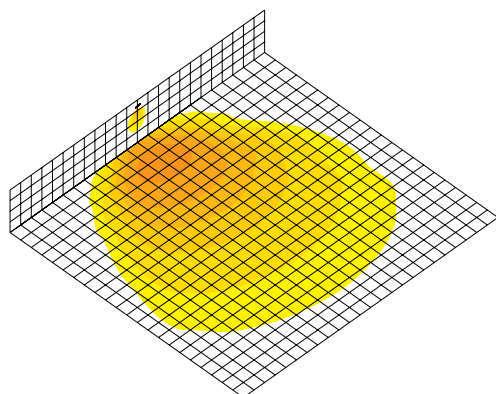
Ground mounted 6" above ground, 40' from building | Aimed 10° above horizontal



KT-FLED290PS-R2C-UNV-8CSB-VDIM-X | KT-FLED290PSHV-R2C-UNV-8CSB-VDIM (6H x 6V)

Building exterior mounted at 35' | Aimed 30° below horizontal

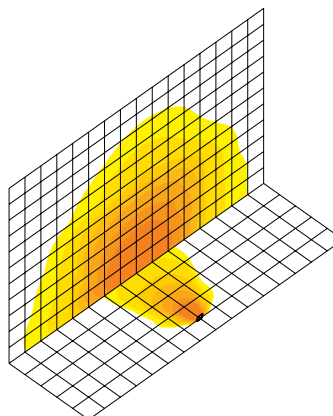
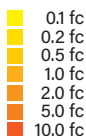
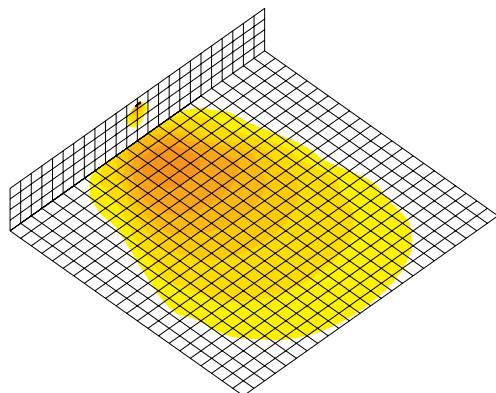
Ground mounted 6" above ground, 40' from building | Aimed 10° above horizontal

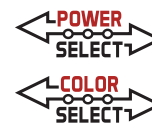


KT-FLED290PS-R2D-UNV-8CSB-VDIM-X | KT-FLED290PSHV-R2D-UNV-8CSB-VDIM (5H x 5V)

Building exterior mounted at 35' | Aimed 30° below horizontal

Ground mounted 6" above ground, 40' from building | Aimed 10° above horizontal



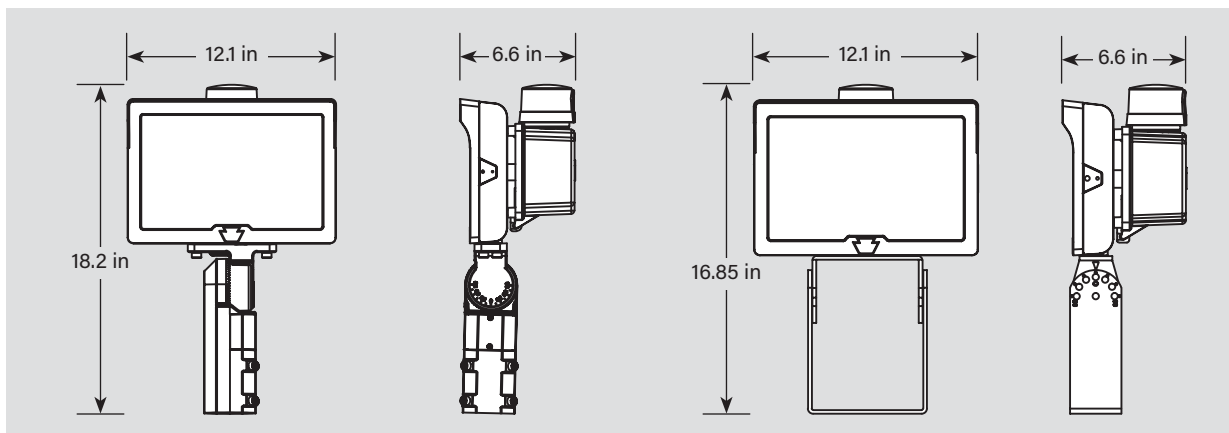


KT-FLEDXXXPSXX-R2X-UNV-8CSB-VDIM-X

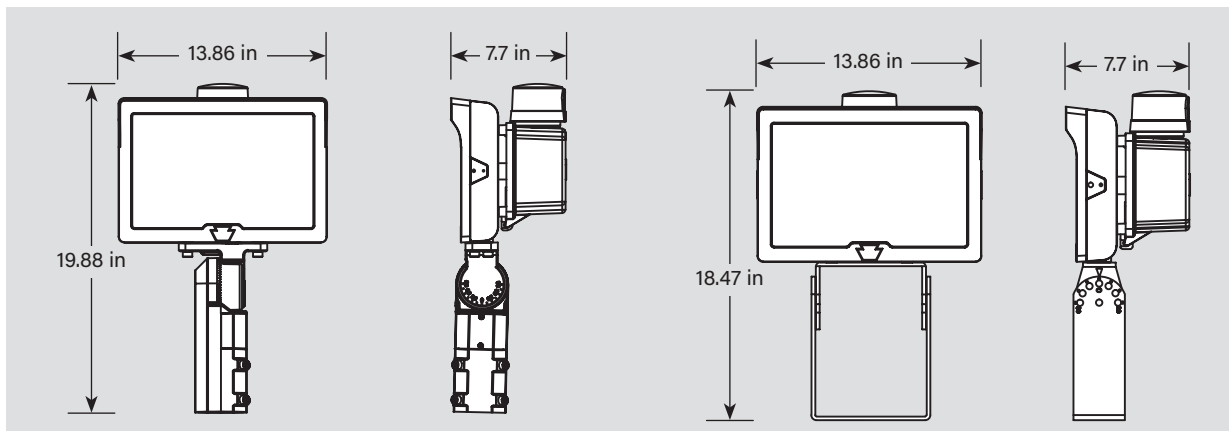
HIGH POWER FLOODLIGHT

PHYSICAL SPECIFICATIONS

KT-FLED140PSXX-R2X-UNV-8CSB-VDIM-X

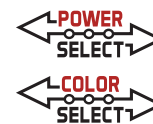


KT-FLED290PSXX-R2X-UNV-8CSB-VDIM-X



CARTON DIMENSIONS

Wattage	Size	Weight
KT-FLED140PSXX-R2X-UNV-8CSB-VDIM-X	19" x 16.5" x 8.66"	24.03 lbs
KT-FLED290PSXX-R2X-UNV-8CSB-VDIM-X	20.47" x 17.52" x 8.66"	29.76 lbs



KT-FLEDXXXPSXX-R2X-UNV-8CSB-VDIM-X

HIGH POWER FLOODLIGHT

ACCESSORIES

Factory-Installable only (for replacement purposes only)

✓	SUFFIX	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	—	KT-RSC-7PN	NEMA 7-pin receptacle and shorting cap	843654135205	BIZ-08



SENSORS

Field-Installable only (for replacement purposes only)

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KT-TLP-UV-3PN	NEMA-Type 3-Pin Twist-lock Photocell 120-277V 1800VA max Blue	843654131825	NQT-46
KT-TLP-HV-3PN	NEMA-Type 3-Pin Twist-lock Photocell 277-480V 1800VA max Yellow	843654131832	CGF-01



GUARDS AND SHIELDS

Field-Installable only (purchased separately)

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KT-FLED-GS-R2-1-KIT	Glare shield Bronze For use on 140W Series 2 Floodlight	843654138688	UBC-72
KT-FLED-GS-R2-1-KIT-W	Glare shield White For use on 140W Series 2 Floodlight	843654140513	VKD-34
KT-FLED-GS-R2-2-KIT	Glare shield Bronze For use on 290W Series 2 Floodlight	843654138695	VCZ-14
KT-FLED-GS-R2-2-KIT-W	Glare shield White For use on 290W Series 2 Floodlight	843654140520	NZK-92



