



XFIT



KT-FLEDXX-R1A-UNV-8CSB-VDIM-X

COMPACT GENERAL-PURPOSE LED FLOODLIGHT

DESCRIPTION

Compact General-Purpose LED Floodlight | 120-277V Input | Color Select Technology | Bronze or White Housing | Multiple Mounting Options

APPLICATION

Building or ground mount application for outdoor illumination (landscapes, display signage, loading docks, building façades, pathways, parking areas, and other general site lighting requirements)



10 YEAR
LIMITED WARRANTY

PRODUCT FEATURES

- Keystone Color Select technology (3000/4000/5000K)
- Uniform, wide flood design (NEMA 7H x 7V distribution pattern)
- Heavy-duty, die-cast aluminum housing featuring built-in glare visor and tempered glass lens
- Powered by Keystone 0-10V dim-to-off LED driver
- Built-in dusk-to-dawn photocell behind translucent 3/4" threaded plug with anti-yellowing agent
- $\pm 90^\circ$ adjustable knuckle and yoke mounts (15W - 60W), or slipfitter and trunnion mounts (75W - 100W) included in the box
- 18" pre-stripped input cable
- Ambient operating temperature: $-30^\circ\text{C}/-22^\circ\text{F}$ to $45^\circ\text{C}/113^\circ\text{F}$
- UL listed for wet locations, IP65
- 0-10V dimming, 10% min
- Power Factor: > 0.95
- THD: $< 20\%$
- LED chip lifetime: $L70 > 100,000$ hrs @ $25^\circ\text{C}/77^\circ\text{F}$ ambient fixture temp
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions
- Fixture impact rating IK06

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

KT-FLEDXX-R1A-UNV-8CSB-VDIM-X

COMPACT GENERAL-PURPOSE LED FLOODLIGHT

PERFORMANCE SPECIFICATIONS

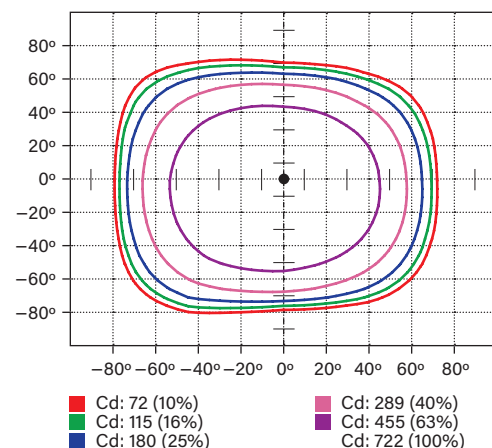
Catalog Number	Wattage	Selectable CCT*	Lumens	Efficacy	Input Voltage	Housing Color	Optics Type	CRI	Metal Halide Equivalent
KT-FLED15-R1A-UNV-8CSB-VDIM KT-FLED15-R1A-UNV-8CSB-VDIM-W	15W	3000K	1920 lm	128 lm/W	120-277V	Bronze	7H x 7V	>80	70W MH
		4000K	2175 lm	145 lm/W					
		5000K	2100 lm	140 lm/W					
KT-FLED35-R1A-UNV-8CSB-VDIM KT-FLED35-R1A-UNV-8CSB-VDIM-W	35W	3000K	4480 lm	128 lm/W	120-277V	Bronze	7H x 7V	>80	150-175W MH
		4000K	5075 lm	145 lm/W					
		5000K	4900 lm	140 lm/W					
KT-FLED60-R1A-UNV-8CSB-VDIM KT-FLED60-R1A-UNV-8CSB-VDIM-W	60W	3000K	7320 lm	122 lm/W	120-277V	Bronze	7H x 7V	>80	250W MH
		4000K	8580 lm	143 lm/W					
		5000K	8040 lm	134 lm/W					
KT-FLED75-R1A-UNV-8CSB-VDIM KT-FLED75-R1A-UNV-8CSB-VDIM-W	75W	3000K	9150 lm	122 lm/W	120-277V	Bronze	7H x 7V	>80	250-320W MH
		4000K	10725 lm	143 lm/W					
		5000K	10050 lm	134 lm/W					
KT-FLED100-R1A-UNV-8CSB-VDIM KT-FLED100-R1A-UNV-8CSB-VDIM-W	100W	3000K	12200 lm	122 lm/W	120-277V	Bronze	7H x 7V	>80	400W MH
		4000K	14300 lm	143 lm/W					
		5000K	13400 lm	134 lm/W					

* Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017

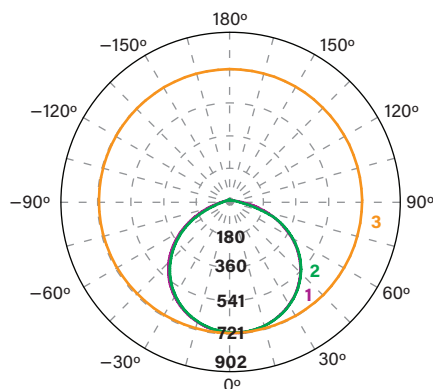
PHOTOMETRIC SPECIFICATIONS

KT-FLED15-R1A-UNV-8CSB-VDIM

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION



Average diffuse angle (50%): 114.0°

Unit: cd

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light	1,093.2 lm	51.1%
0°-30°	303.3 lm	14.1%
30°-60°	598 lm	27.8%
60°-80°	188.8 lm	8.8%
80°-90°	3.1 lm	0.1%
Back Light	1,059.8 lm	49.2%
0°-30°	297.9 lm	13.8%
30°-60°	572.8 lm	26.6%
60°-80°	184.7 lm	8.6%
80°-90°	4.4 lm	0.2%
Up Light	0.0 lm	0.0 %
90°-100°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%

*B1 U2 G1

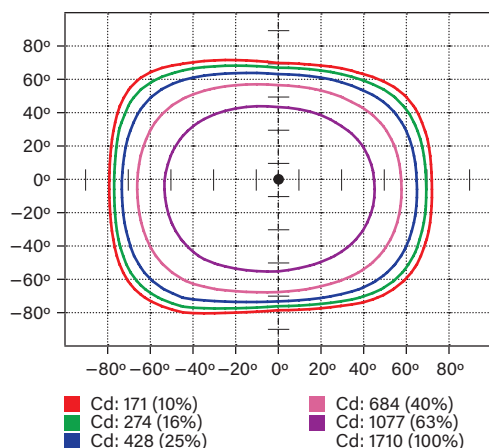
KT-FLEDXX-R1A-UNV-8CSB-VDIM-X

COMPACT GENERAL-PURPOSE LED FLOODLIGHT

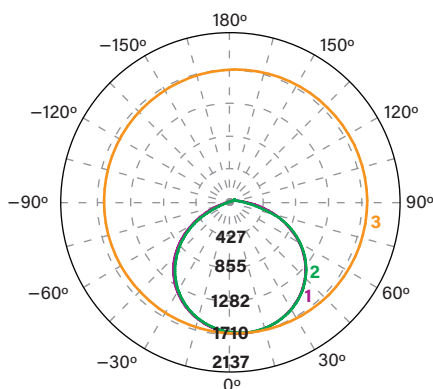
PHOTOMETRIC SPECIFICATIONS (CONTINUED)

KT-FLED35-R1A-UNV-8CSB-VDIM

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION



Average diffuse angle (50%): 114.3°

1 Violet C0 - C180

2 Green C90 - C270

3 Orange G3

Unit: cd

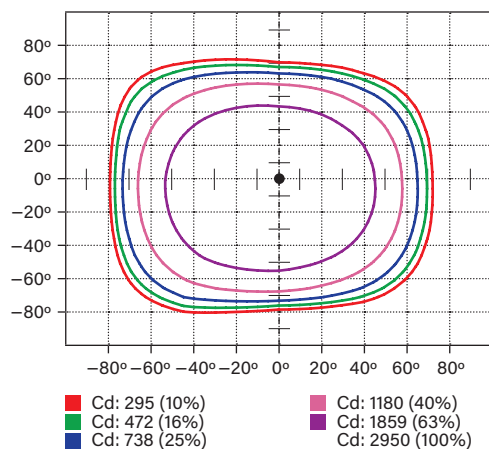
FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light	1,093.2 lm	51.1%
0°-30°	303.3 lm	14.1%
30°-60°	598 lm	27.8%
60°-80°	188.8 lm	8.8%
80°-90°	3.1 lm	0.1%
Back Light	1,059.8 lm	49.2%
0°-30°	297.9 lm	13.8%
30°-60°	572.8 lm	26.6%
60°-80°	184.7 lm	8.6%
80°-90°	4.4 lm	0.2%
Up Light	0.0 lm	0.0 %
90°-100°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%

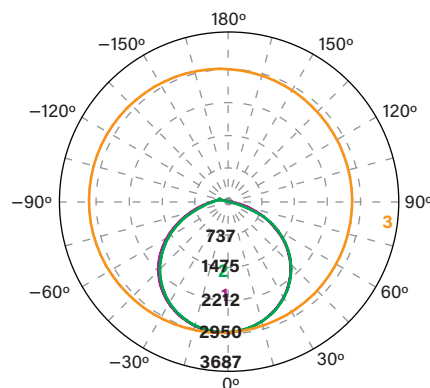
*B1 U0 G0

KT-FLED60-R1A-UNV-8CSB-VDIM

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION



Average diffuse angle (50%): 114.9°

1 Violet C0 - C180

2 Green C90 - C270

3 Orange G2

Unit: cd

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light	3,774.9 lm	49.6%
0°-30°	1,096.7 lm	14.4%
30°-60°	2,118 lm	27.8%
60°-80°	553.4 lm	7.3%
80°-90°	6.8 lm	0.1%
Back Light	3,830.7 lm	50.4%
0°-30°	1,084 lm	14.3%
30°-60°	2,087.7 lm	27.4%
60°-80°	645.2 lm	8.5%
80°-90°	13.8 lm	0.2%
Up Light	64 lm	0.7%
90°-100°	3 lm	0.0%
100°-180°	61 lm	0.7%

*B3 U0 G1

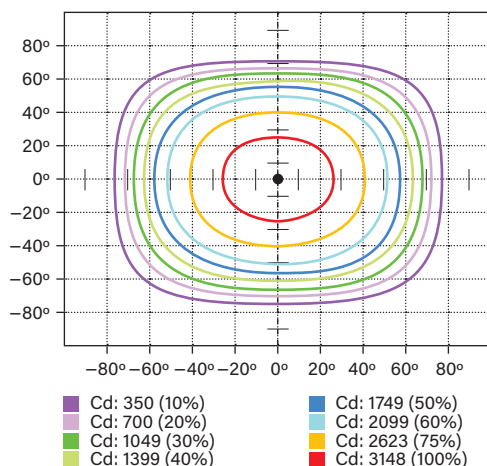
KT-FLEDXX-R1A-UNV-8CSB-VDIM-X

COMPACT GENERAL-PURPOSE LED FLOODLIGHT

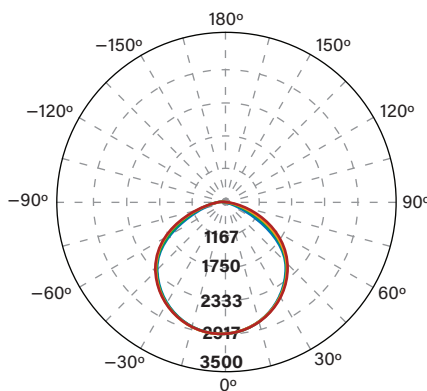
PHOTOMETRIC SPECIFICATIONS (CONTINUED)

KT-FLED75-R1A-UNV-8CSB-VDIM

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION



Average diffuse angle (50%): **114.2°**

1 Blue - 0° H

2 Red - 90° H

3 Green - 22.5° H

4 Orange - 45° H

5 Grey - 67.5° H

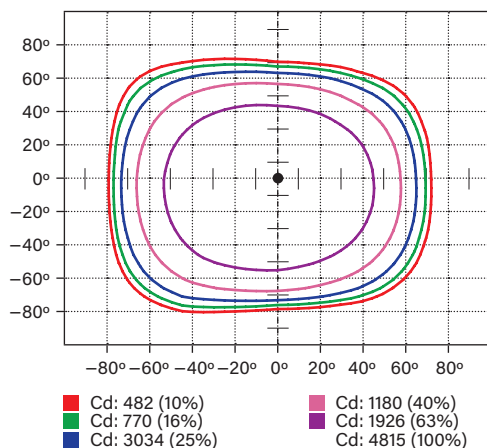
FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light	4,741 lm	49.6%
0°-30°	1,376.8 lm	14.4%
30°-60°	2,659.1 lm	27.8%
60°-80°	695.5 lm	7.3%
80°-90°	9.6 lm	0.1%
Back Light	4,812.9 lm	50.4%
0°-30°	1,365.9 lm	14.3%
30°-60°	2,643.9 lm	27.7%
60°-80°	787.6 lm	8.2%
80°-90°	15.5 lm	0.2%
Up Light	0 lm	0.0%
90°-100°	0 lm	0.0%
100°-180°	0 lm	0.0%

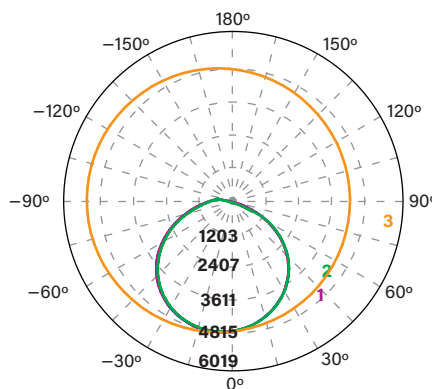
*B3 U0 G1

KT-FLED100-R1A-UNV-8CSB-VDIM

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION



Average diffuse angle (50%): **114.2°**

1 Violet C0 - C180

2 Green C90 - C270

3 Orange G2

Unit: cd

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light	6,042 lm	50%
0°-30°	1,750.6 lm	14.5%
30°-60°	3,379.9 lm	28.0%
60°-80°	893.8 lm	7.4%
80°-90°	17.7 lm	0.1%
Back Light	6,020.1 lm	49.9%
0°-30°	1,731.1 lm	14.4%
30°-60°	3,318.4 lm	27.5%
60°-80°	946.9 lm	7.9%
80°-90°	23.7 lm	0.1%
Up Light	0 lm	0.0%
90°-100°	0 lm	0.0%
100°-180°	0 lm	0.0%

*B3 U3 G2

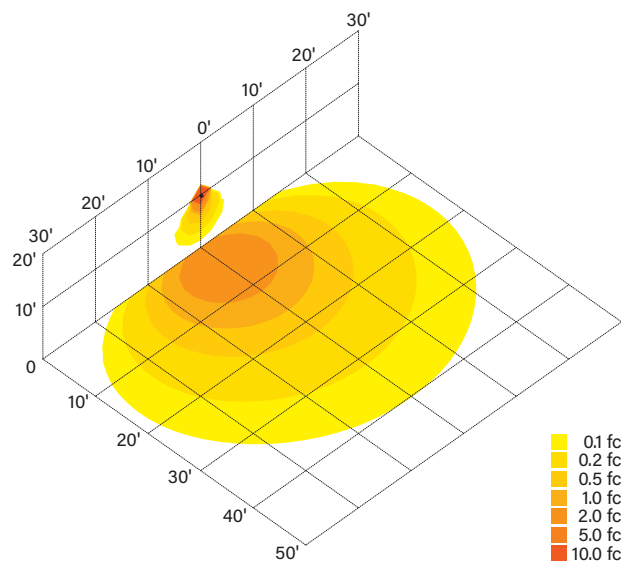
KT-FLEDXX-R1A-UNV-8CSB-VDIM-X

COMPACT GENERAL-PURPOSE LED FLOODLIGHT

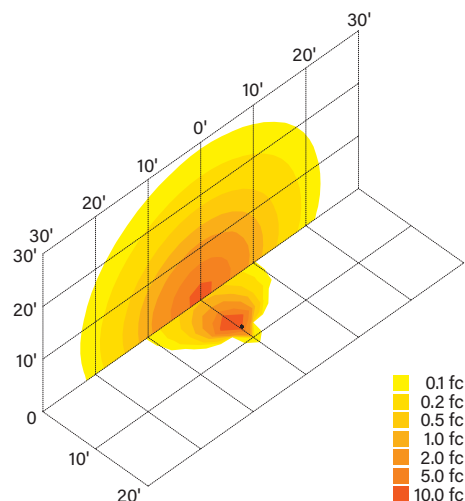
LIGHT DISTRIBUTION PATTERNS (ISOMETRIC VIEW FROM ABOVE)

KT-FLED15-R1A-UNV-8CSB-VDIM

Building exterior mounted at 10', 30° below horizontal

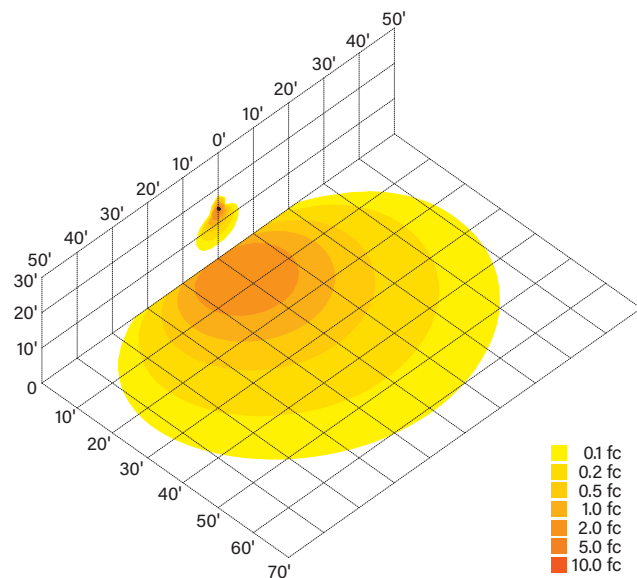


Ground mounted at 6" above ground,
10° above horizontal, shining towards building exterior wall at 8' away

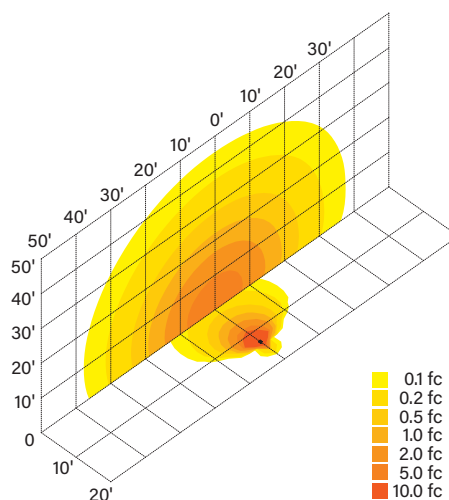


KT-FLED35-R1A-UNV-8CSB-VDIM

Building exterior mounted at 15', 30° below horizontal



Ground mounted at 6" above ground,
10° above horizontal, shining towards building exterior wall at 14' away



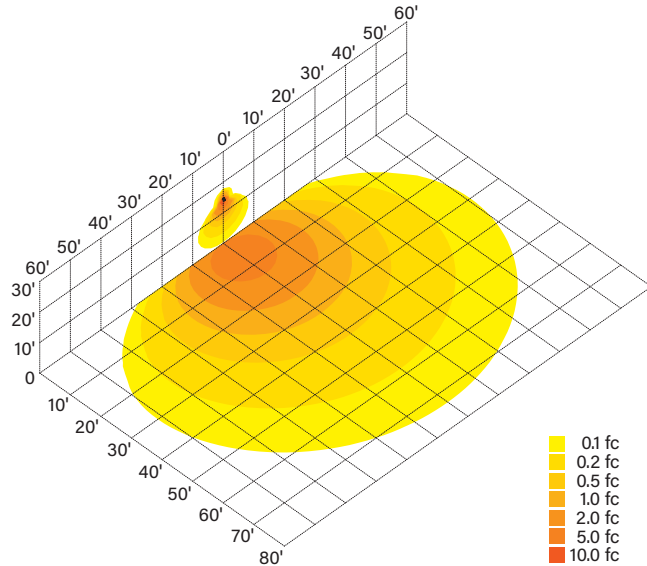
KT-FLEDXX-R1A-UNV-8CSB-VDIM-X

COMPACT GENERAL-PURPOSE LED FLOODLIGHT

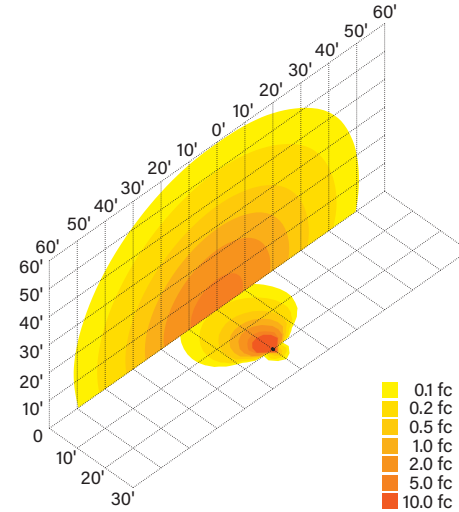
LIGHT DISTRIBUTION PATTERNS (ISOMETRIC VIEW FROM ABOVE)

KT-FLED60-R1A-UNV-8CSB-VDIM

Building exterior mounted at 15', 30° below horizontal

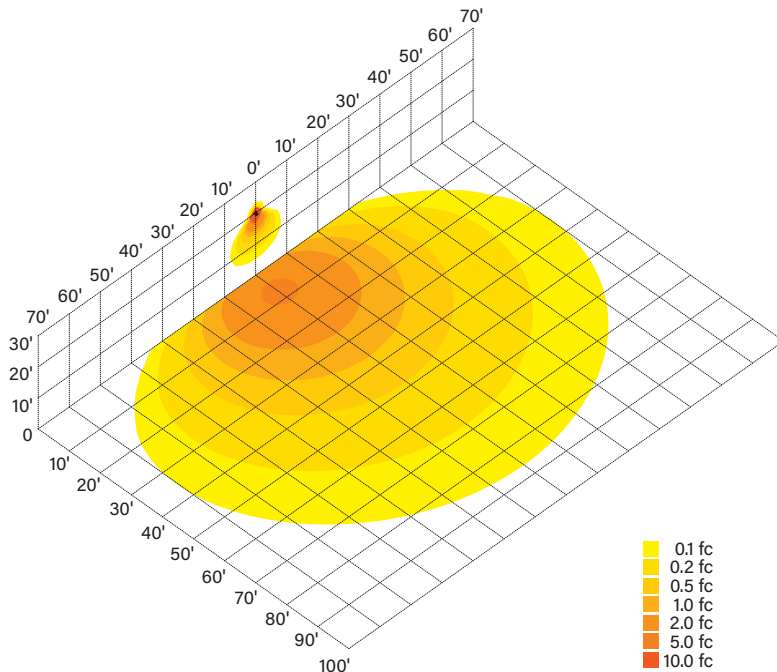


Ground mounted at 6" above ground,
10° above horizontal, shining towards building exterior wall at 20' away

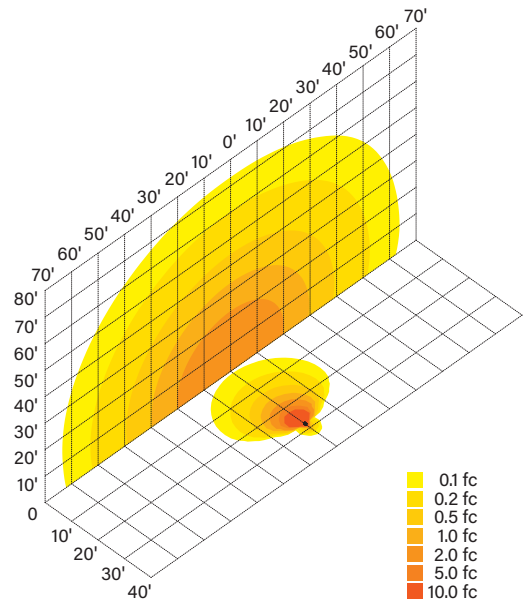


KT-FLED75-R1A-UNV-8CSB-VDIM

Building exterior mounted at 20', 30° below horizontal



Ground mounted at 6" above ground,
10° above horizontal, shining towards building exterior wall at 28' away





KT-FLEDXX-R1A-UNV-8CSB-VDIM-X

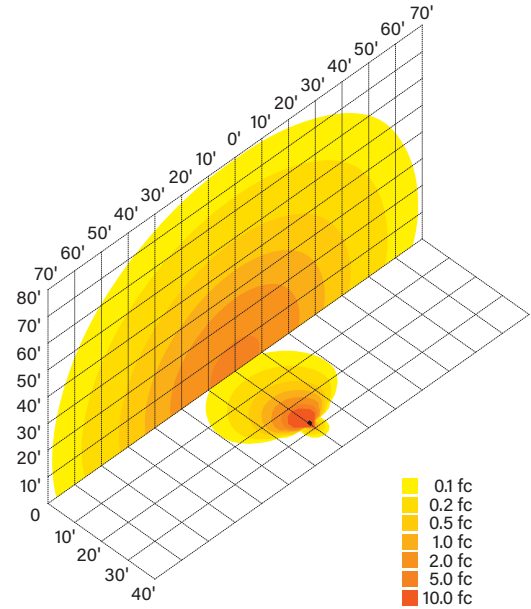
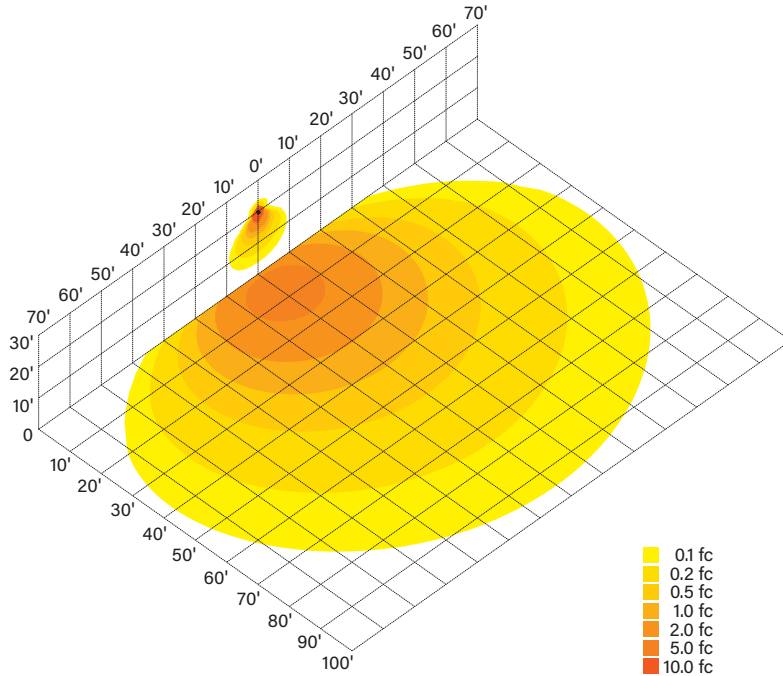
COMPACT GENERAL-PURPOSE LED FLOODLIGHT

LIGHT DISTRIBUTION PATTERNS (ISOMETRIC VIEW FROM ABOVE)

KT-FLED100-R1A-UNV-8CSB-VDIM

Building exterior mounted at 20', 30° below horizontal

Ground mounted at 6" above ground,
10° above horizontal, shining towards building exterior wall at 28' away

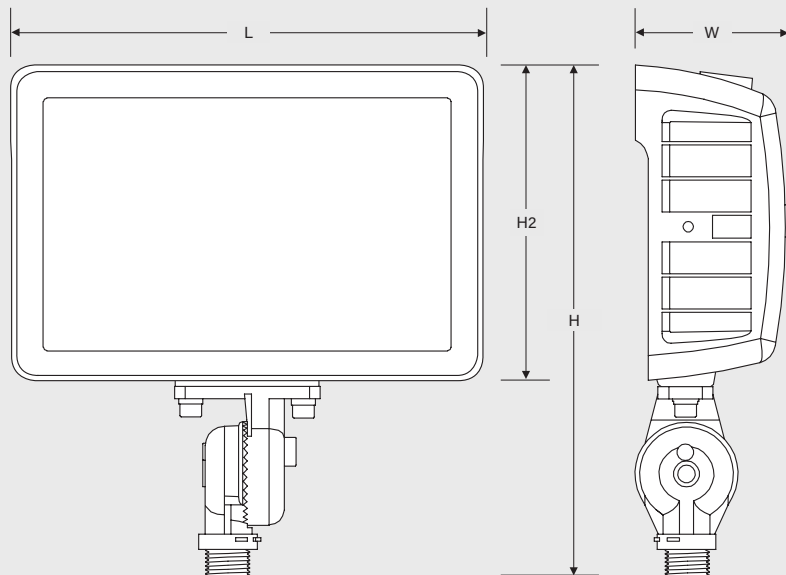


KT-FLEDXX-R1A-UNV-8CSB-VDIM-X

COMPACT GENERAL-PURPOSE LED FLOODLIGHT

PHYSICAL SPECIFICATIONS

KNUCKLE MOUNT

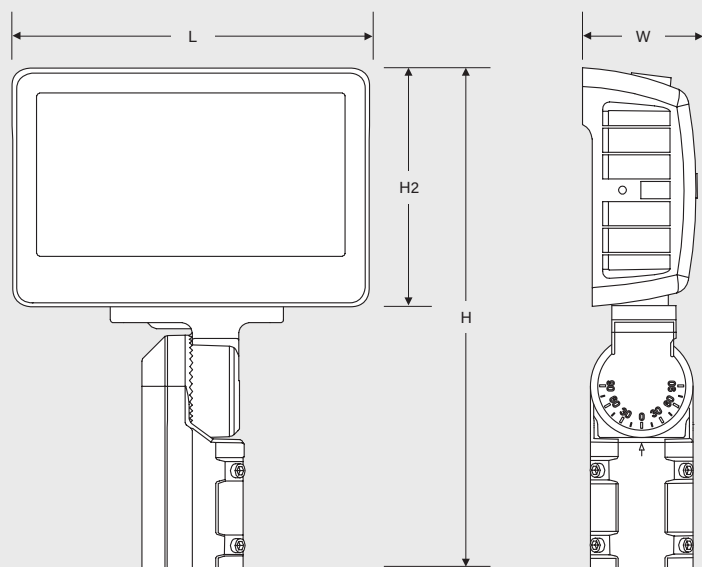


KT-FLED15-R1A-UNV-8CSB-VDIM			
L (Length)	6.22"	EPA	
H (Height)	8.35"	Mounted Vertical	0.25 sq/ft
H2 (Height 2)	4.76"	Mounted Horizontal	0.12 sq/ft
W (Width)	2.40"	Mounted 45°	0.26 sq/ft

KT-FLED35-R1A-UNV-8CSB-VDIM			
L (Length)	7.40"	EPA	
H (Height)	8.98"	Mounted Vertical	0.34 sq/ft
H2 (Height 2)	5.51"	Mounted Horizontal	0.17 sq/ft
W (Width)	2.75"	Mounted 45°	0.36 sq/ft

KT-FLED60-R1A-UNV-8CSB-VDIM			
L (Length)	8.58"	EPA	
H (Height)	9.49"	Mounted Vertical	0.42 sq/ft
H2 (Height 2)	5.91"	Mounted Horizontal	0.20 sq/ft
W (Width)	2.75"	Mounted 45°	0.44 sq/ft

SLIP FITTER MOUNT



KT-FLED75-R1A-UNV-8CSB-VDIM			
L (Length)	10.55"	EPA	
H (Height)	14.84"	Mounted Vertical	0.62 sq/ft
H2 (Height 2)	7.05"	Mounted Horizontal	0.30 sq/ft
W (Width)	3.38"	Mounted 45°	0.65 sq/ft

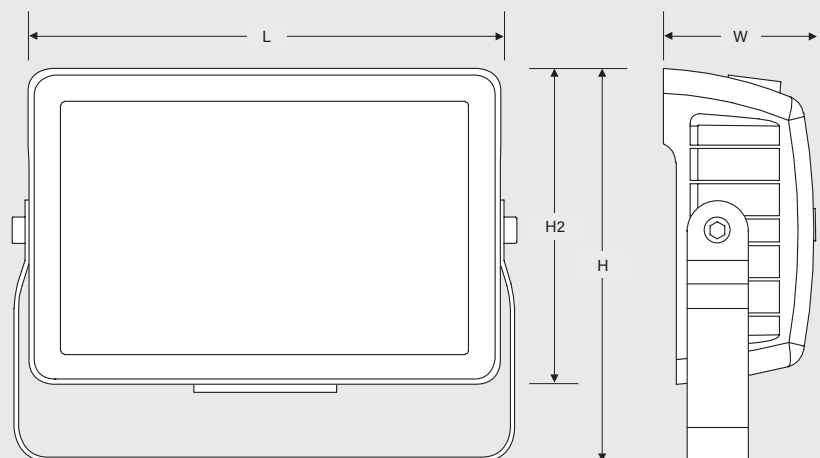
KT-FLED100-R1A-UNV-8CSB-VDIM			
L (Length)	10.55"	EPA	
H (Height)	14.84"	Mounted Vertical	0.62 sq/ft
H2 (Height 2)	7.05"	Mounted Horizontal	0.30 sq/ft
W (Width)	3.38"	Mounted 45°	0.65 sq/ft

KT-FLEDXX-R1A-UNV-8CSB-VDIM-X

COMPACT GENERAL-PURPOSE LED FLOODLIGHT

PHYSICAL SPECIFICATIONS (CONTINUED)

YOKE MOUNT



KT-FLED15-R1A-UNV-8CSB-VDIM

L (Length)	6.22"
H (Height)	6.22"
H2 (Height 2)	4.76"
W (Width)	2.40"

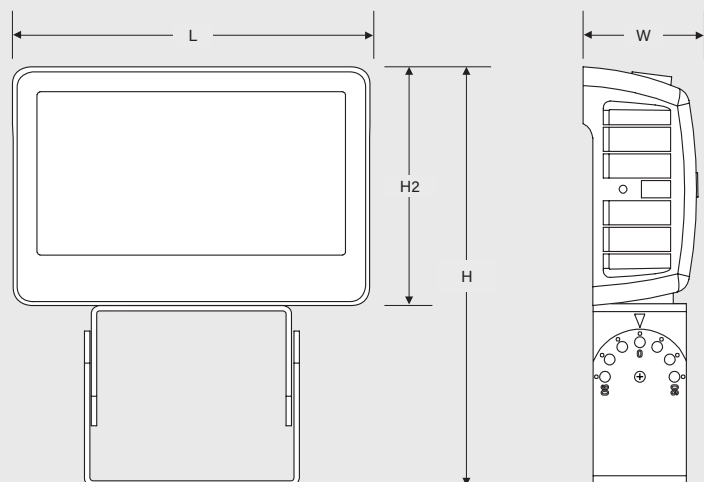
KT-FLED35-R1A-UNV-8CSB-VDIM

L (Length)	7.40"
H (Height)	6.97"
H2 (Height 2)	5.51"
W (Width)	2.75"

KT-FLED60-R1A-UNV-8CSB-VDIM

L (Length)	8.58"
H (Height)	7.13"
H2 (Height 2)	5.91"
W (Width)	2.75"

TRUNNION MOUNT



KT-FLED75-R1A-UNV-8CSB-VDIM

L (Length)	10.55"
H (Height)	12.36"
H2 (Height 2)	7.05"
W (Width)	3.38"

KT-FLED100-R1A-UNV-8CSB-VDIM

L (Length)	10.55"
H (Height)	12.36"
H2 (Height 2)	7.05"
W (Width)	3.38"



XFIT

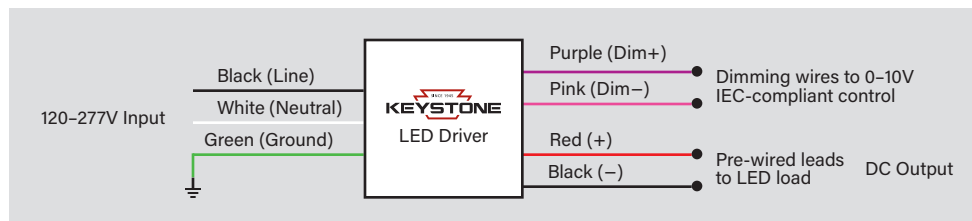


KT-FLEDXX-R1A-UNV-8CSB-VDIM-X

COMPACT GENERAL-PURPOSE LED FLOODLIGHT

GENERAL SETUP INSTRUCTIONS

GENERAL WIRING DIAGRAM



Caution: Before installing, make certain that AC power to the fixture is off.

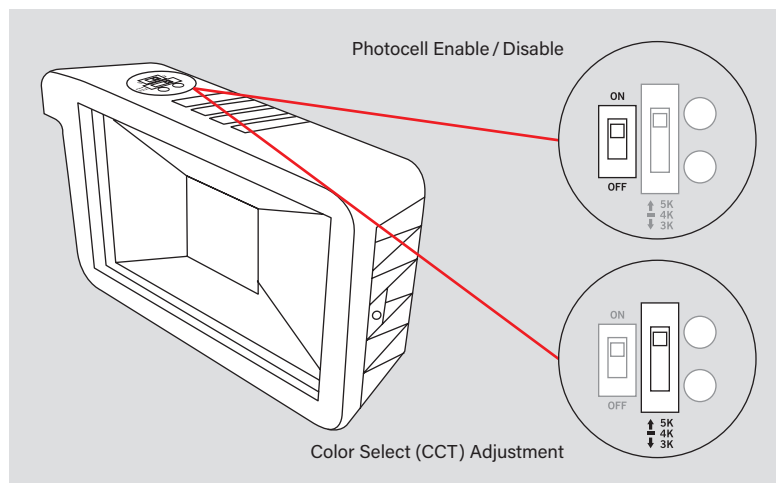
Caution: The electrical rating of this product is 120-277V. Installer must confirm that there is 120-277V at the fixture before installation.

PHOTOCELL ENABLE / DISABLE

This fixture is equipped with a dusk-to-dawn photocell behind the translucent knock-out (KO) cover. Adjust the dip switch to enable (ON) or disable (OFF) the photocell function (see illustrations to the right). Fixture comes pre-set with photocell enabled unless otherwise noted.

COLOR SELECT (CCT) ADJUSTMENT

This fixture is equipped with Color Select technology. There is an adjustable dip switch behind the translucent knock-out (KO) cover to change CCT between 5000K, 4000K, and 3000K (see illustrations to the right). Fixture comes preset at 5000K unless otherwise noted.



KT-FLEDXX-R1A-UNV-8CSB-VDIM-X

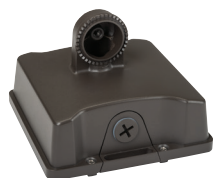
COMPACT GENERAL-PURPOSE LED FLOODLIGHT

ACCESSORIES (continued)

MOUNTS AND BRACKETS

Field-Installable (field-installable options must be purchased separately)

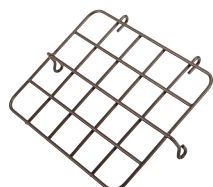
✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	N/A	KT-FLED-SM-1-KIT	Surface Mount / Wall Mount Kit for Series 1 Floodlights. Fits 15W thru 60W fixtures. Includes Mounting Hardware. Standard Bronze Housing	843654129167	HZJ-35
	N/A	KT-FLED-SM-1-KIT-W	Surface Mount / Wall Mount Kit for Series 1 Floodlights. Fits 15W thru 60W fixtures. Includes Mounting Hardware. Standard White Housing	843654140551	JNW-56
	N/A	KT-FLED-RC-4	Round Cover Plate for mounting Floodlights on 4" Round boxes. Includes Mounting Hardware. Standard Bronze Color	843654129181	IOI-49
	N/A	KT-FLED-RC-4-W	Round Cover Plate for mounting Floodlights on 4" Round boxes. Includes Mounting Hardware. Standard White Color	843654129174	UER-55
	N/A	KT-FLED-SF-1-KIT	Slip Fitter Mount Adaptor for 15W, 35W, and 60W Rectangular Series 1 LED Floodlight. Bronze	843654153308	TZP-68
	N/A	KT-FLED-SF-1-KIT-W	Slip Fitter Mount Adaptor for 15W, 35W, and 60W Rectangular Series 1 LED Floodlight. White	843654153582	JJS-86
	N/A	KT-FLED-WG-1-KIT	Wire Guard for 15W Rectangular Series 1 LED Floodlight	843654138824	GEJ-72
	N/A	KT-FLED-WG-2-KIT	Wire Guard for 35W Rectangular Series 1 LED Floodlight	843654138831	YLC-83
	N/A	KT-FLED-WG-3-KIT	Wire Guard for 60W Rectangular Series 1 LED Floodlight	843654138848	BME-93
	N/A	KT-FLED-WG-4-KIT	Wire Guard for 75W Rectangular Series 1 LED Floodlight	843654138855	EFZ-60



Surface Mount / Wall Mount Kit
KT-FLED-SM-1-KIT



Round Cover Plate
KT-FLED-RC-4



Wire Guard
KT-FLED-WG-1-KIT



Slipfitter Mount Adaptor
KT-FLED-SF-1-KIT



