



KT-SLFLED500HV-S1-XX-YM-750-VDIM

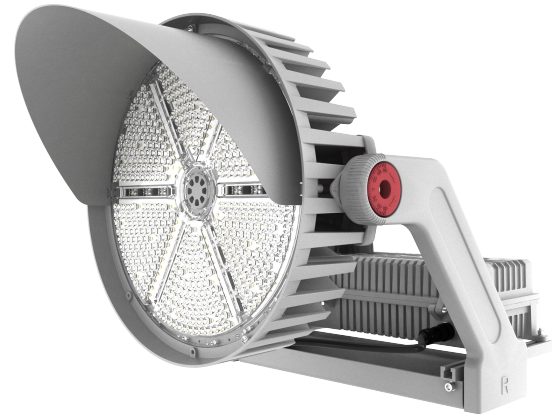
SPORTS LIGHT FLOOD

DESCRIPTION

500W Sports Light Flood | 5000K | Multiple Beam Angle Options |
277–480V Input | Gray Housing

APPLICATION

High power, wide flood, pole mount illumination needs (municipal parks and baseball fields, high school football stadiums, driving ranges, rodeos, ski resorts, etc.)



PRODUCT FEATURES

- Heavy duty die cast aluminum housing in gray finish offers a durable and modern aesthetic while carrying inspiration from existing legacy fixture solutions. Optimized for HID replacement needs
- Precision crafted optics that ensure uniform, proper lighting. Available in multiple beam angle options (30° standard, 20° and 40° optional)
- Glare shield included in packaging. Easy install for use as required by site demands
- Comes with shorting cap and integrated NEMA/ANSI C136.41 7 pin twist lock receptacle
- Designed for install as a single assembly or with remote driver box. Allows for on site flexibility and lower EPA ratings
- Compatible with yoke mount bracket (pre installed) and slip fitter mount, KT-SLFLED-SF-S1-KIT (sold separately)
- Fixture mountable laser accessory available for fixture aiming, KT-SLFLED-LASER-G (sold separately)
- Ambient operating temperature: –40°C/–40°F to 50°C/122°F
- Powered by Keystone 0–10V dimming LED driver
- UL Certified, 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

DIMENSIONS AND WEIGHTS

Carton Dimensions	20.08"L x 21.65"W x 20.08"H
Carton Weight	41.01 lbs
Total Fixture Weight	38.58 lbs
Fixture Head Weight	26.54 lbs
Fixture Driver Box Weight	12.04 lbs

PRODUCT SPECIFICATIONS

Catalog Number	Wattage	CCT	Lumens	Efficacy	Input Voltage	Dimming	Beam Angle	CRI	DLC	Legacy Equivalent
KT-SLFLED500HV-S1-20-YM-750-VDIM	500W	5000K	70000	140 lm/W	277–480V	0–10V	20°	>70	Y	1500W MH
KT-SLFLED500HV-S1-30-YM-750-VDIM							30°			
KT-SLFLED500HV-S1-40-YM-750-VDIM							40°			

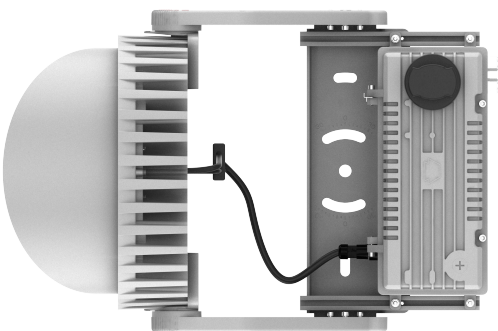
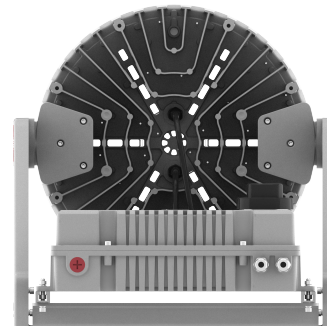
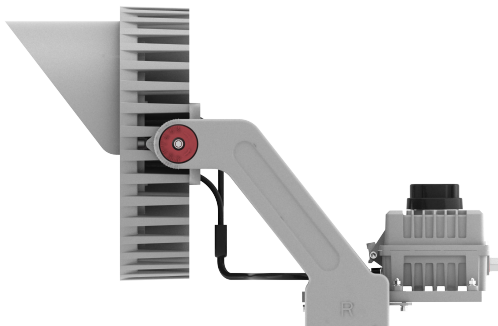
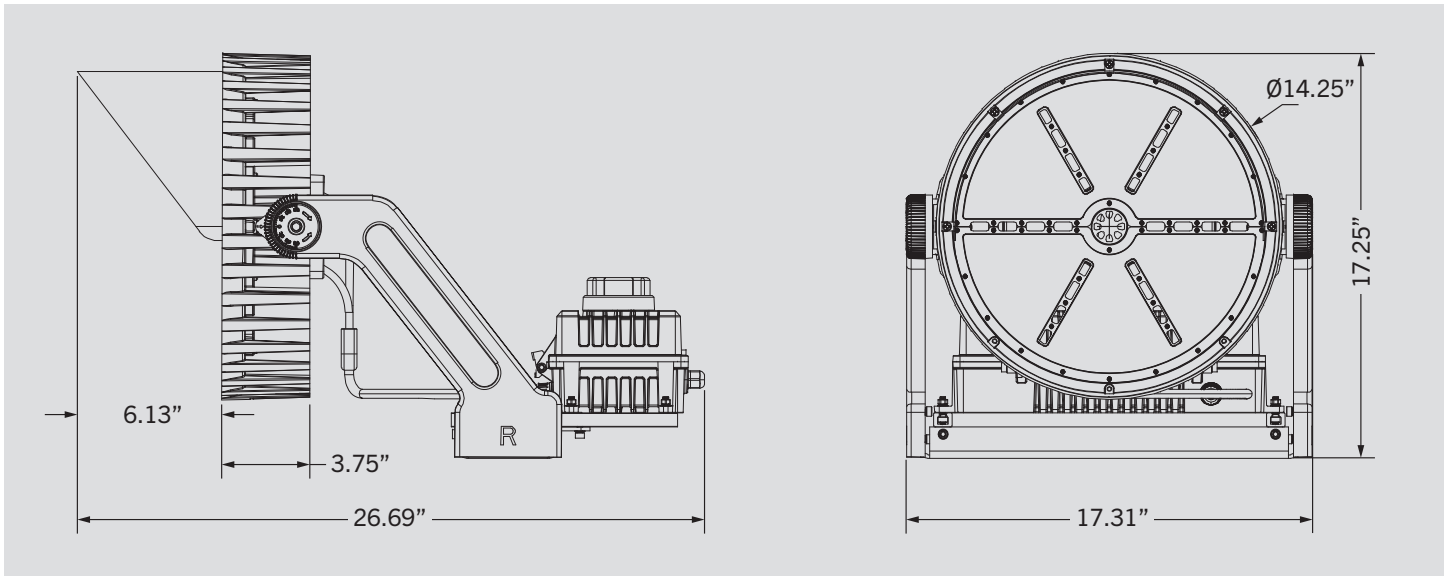
Note: Fixtures with 20° and 40° beam angles are available and assembled to order. Lead times may apply. Please see catalog number breakdown and product specification for full ordering code details

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SPORTS LIGHT FLOOD

PHYSICAL SPECIFICATIONS

WITH DRIVER BOX ATTACHED

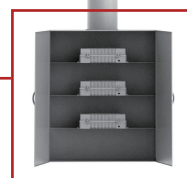
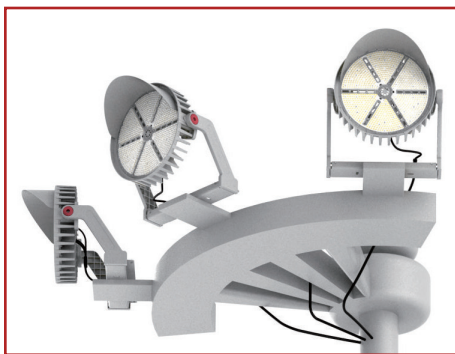
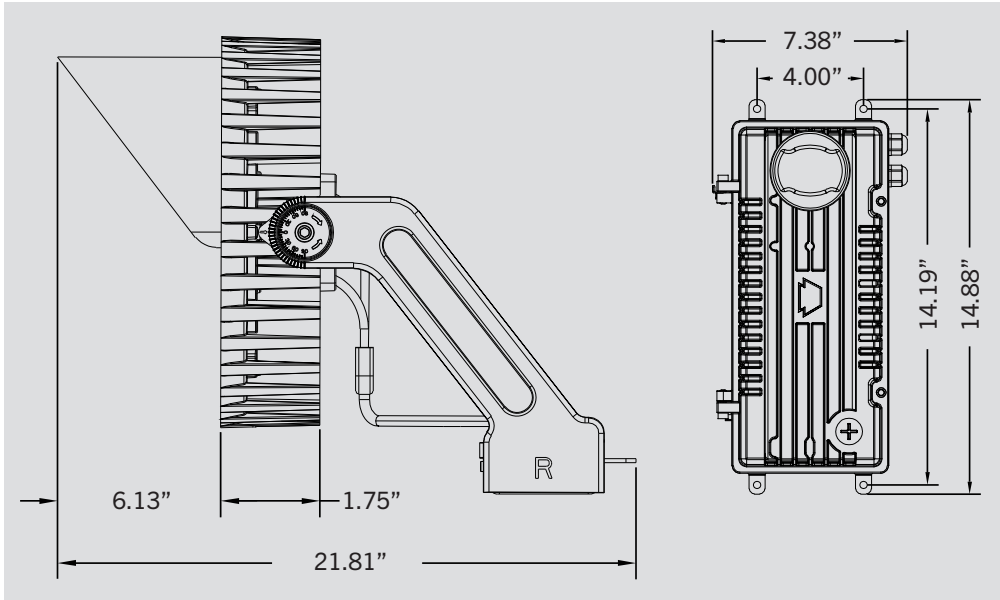


KT-SLFLED500HV-S1-XX-YM-750-VDIM

SPORTS LIGHT FLOOD

PHYSICAL SPECIFICATIONS

WITH DRIVER BOX SEPARATED



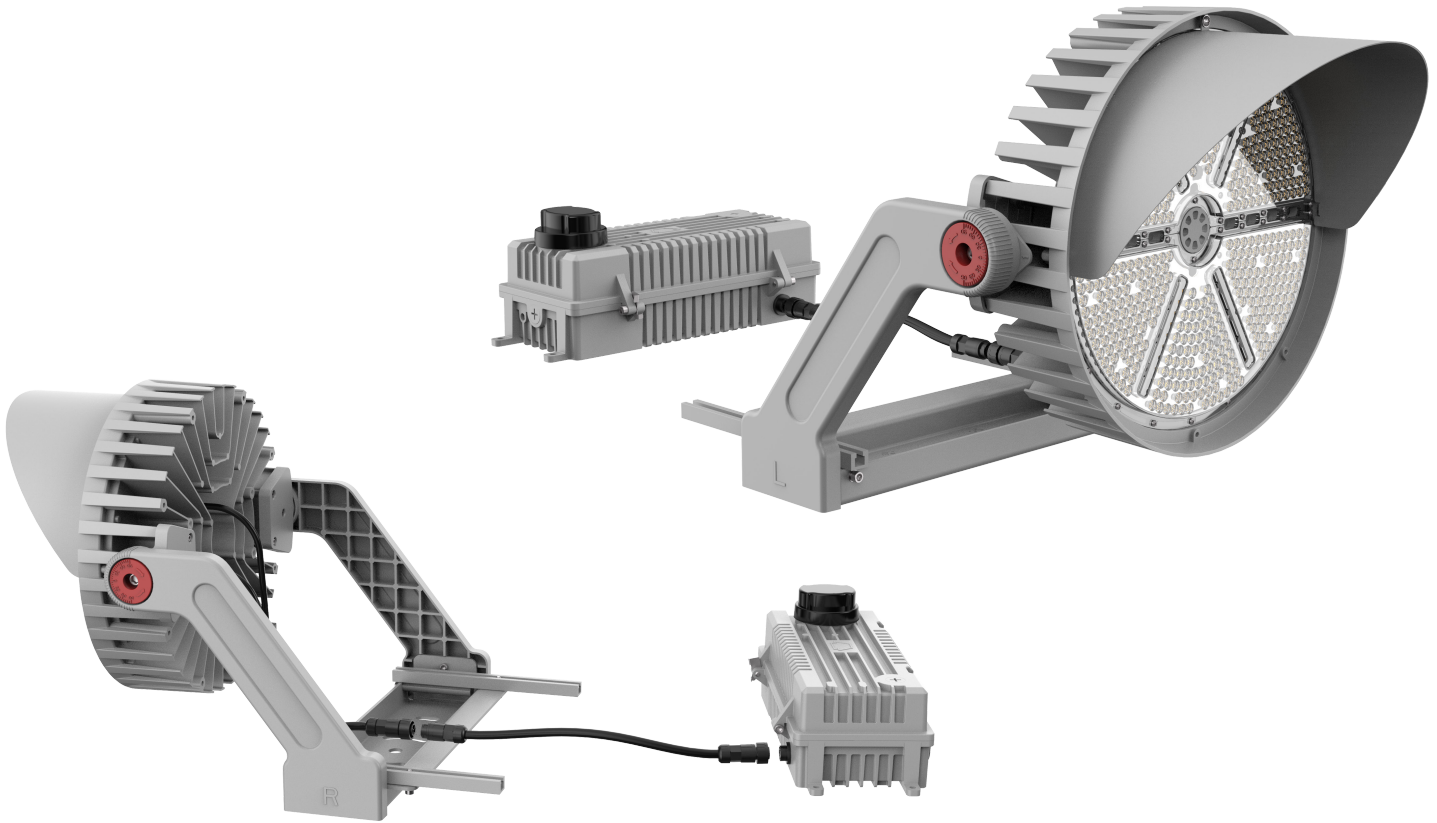
Note: Maximum cord length is 50 m / 164 ft

Note: Images are for reference only. Contact Keystone with questions regarding remote mounting and enclosures

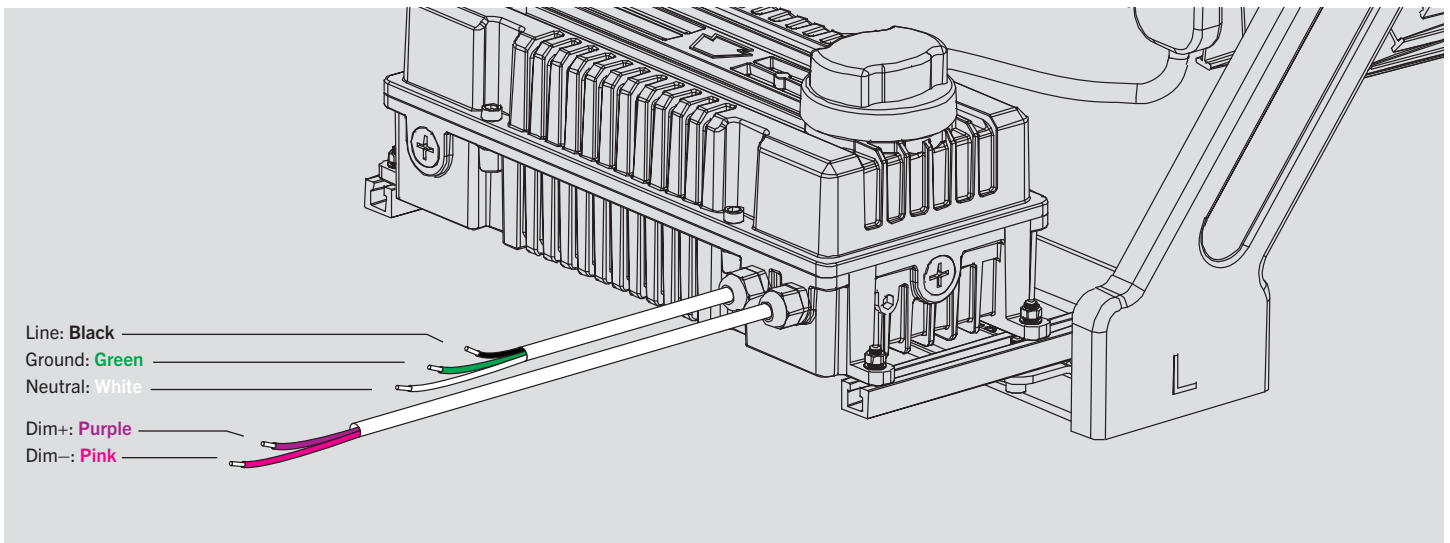
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SPORTS LIGHT FLOOD

WITH DRIVER BOX SEPARATED



WIRING DIAGRAM



Note: Input and dimming wires extend 3 ft from driver box

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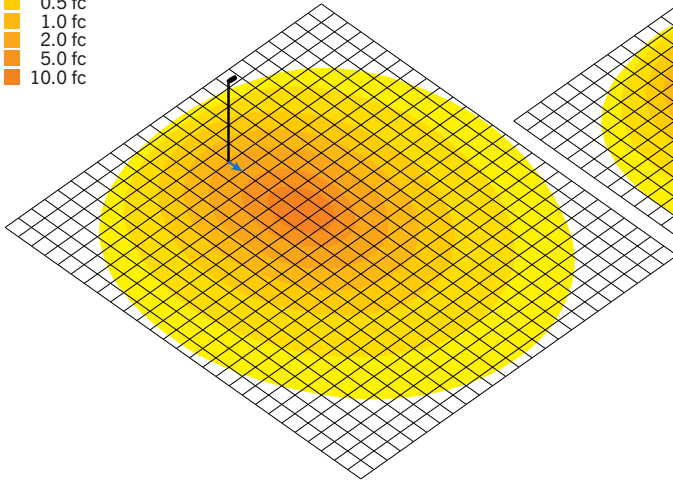
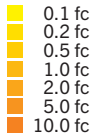
SPORTS LIGHT FLOOD

LIGHT DISTRIBUTION PATTERN

Photometric layouts for general reference only. All fixtures are pointed at 45° below horizontal. Each square is 10 ft x 10 ft

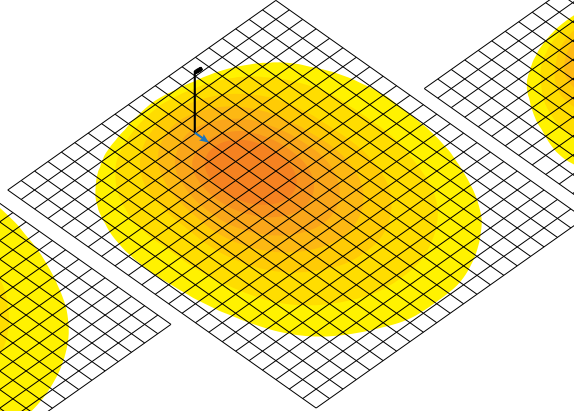
20° BEAM ANGLE

Pole-mounted at 60'



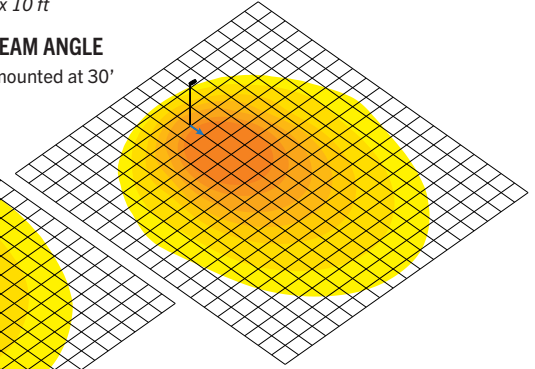
30° BEAM ANGLE

Pole-mounted at 45'



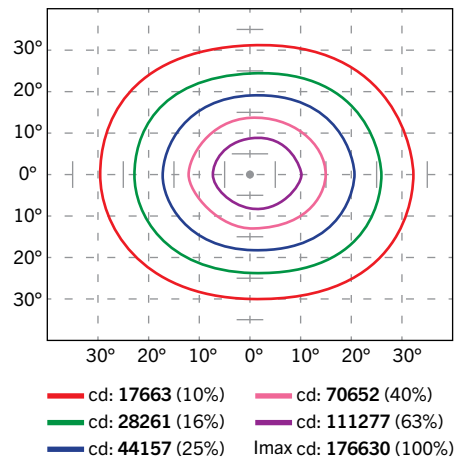
40° BEAM ANGLE

Pole-mounted at 30'

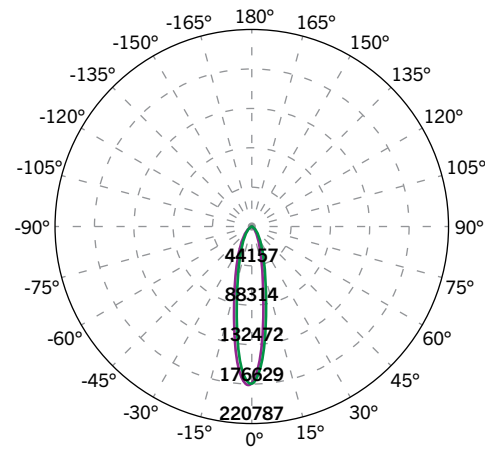


PHOTOMETRIC SPECIFICATIONS (20° BEAM ANGLE)

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION



Average diffuse angle (50%) : 22°
 Unit: cd

1 Violet C0-C180
 2 Green C90-C270

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light	32620	48.4%
0°-30°	20733	30.8%
30°-60°	9453	14.0%
60°-80°	2282	3.4%
80°-90°	153	0.2%
Back Light	33733	50.1%
0°-30°	21422	31.8%
30°-60°	9772	14.5%
60°-80°	2372	3.5%
80°-90°	167	0.2%
Up Light	1025	1.5%
90°-100°	87	0.1%
100°-180°	938	1.4%

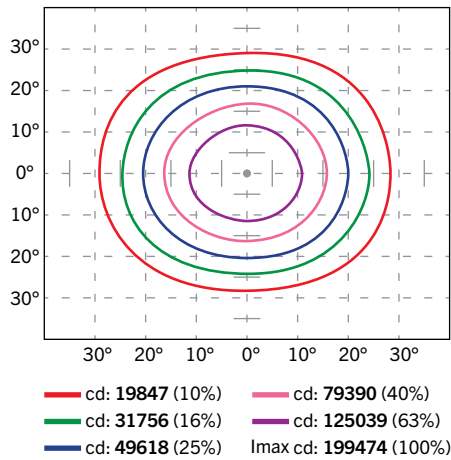
(Photometric Specifications continued on next page)

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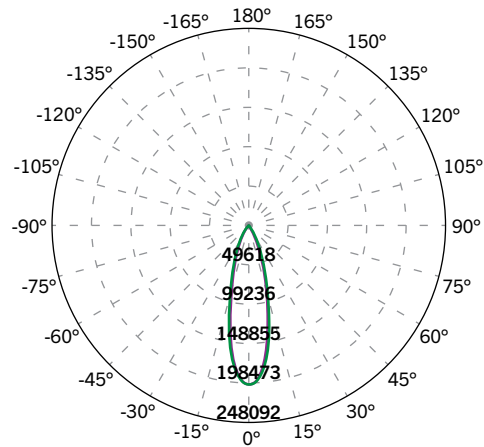
SPORTS LIGHT FLOOD

PHOTOMETRIC SPECIFICATIONS (30° BEAM ANGLE)

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION



Average diffuse angle (50%) : 27.6°
 Unit: cd

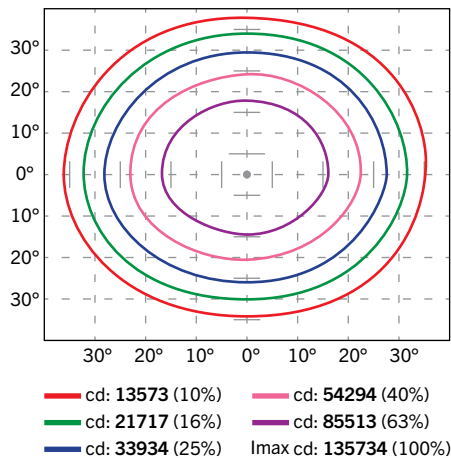
1 Violet C0-C180
 2 Green C90-C270

FLUX DISTRIBUTION

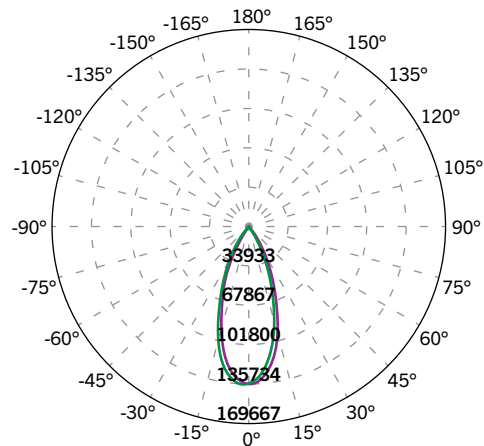
Zone	Lumens	% Luminaire
Forward Light	35119	49.9%
0°-30°	26988	38.3%
30°-60°	6739	9.6%
60°-80°	1322	1.9%
80°-90°	69	0.1%
Back Light	35326	50.1%
0°-30°	27175	38.6%
30°-60°	6811	9.7%
60°-80°	1280	1.8%
80°-90°	59	0.1%
Up Light	0	0.0%
90°-100°	0	0.0%
100°-180°	0	0.0%

PHOTOMETRIC SPECIFICATIONS (40° BEAM ANGLE)

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION



Average diffuse angle (50%) : 39.8°
 Unit: cd

1 Violet C0-C180
 2 Green C90-C270

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light	34979	45.9%
0°-30°	26903	35.3%
30°-60°	7175	9.4%
60°-80°	834	1.1%
80°-90°	67	0.1%
Back Light	40085	52.6%
0°-30°	30557	40.1%
30°-60°	8627	11.3%
60°-80°	830	1.1%
80°-90°	71	0.1%
Up Light	1078	1.4%
90°-100°	79	0.1%
100°-180°	1000	1.3%

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SPORTS LIGHT FLOOD

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 Side-by-Side	3 Fixtures Side-by-Side
Mounting Application	Fixture Position	Housing Size			
Plate Mount 	45°	S (500W)	1.77 sq. ft.	3.53 sq. ft.	5.30 sq. ft.

ACCESSORIES

SENSORS

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

✓	CATALOG NUMBER	DESCRIPTION	COLOR	UPC	EASY CODE
	KT-TLP-HV-3PN	NEMA-Type 3-Pin Photocell; 277–480V; 1800VA max	Yellow	843654131832	CGF-01



277-480V Photocell
KT-TLP-HV-3PN

CORD SETS

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

✓	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	KT-SLFLED-EC-35	35' extension cord to remote mount LED driver for SLFLED fixtures	843654154992	OKK-79
	KT-SLFLED-EC-65	65' extension cord to remote mount LED driver for SLFLED fixtures	843654155005	QCB-67



35' Extension Cord
KT-SLFLED-EC-35

MOUNTS AND BRACKETS

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

✓	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	KT-SLFLED-SF-S1-KIT	Slip fitter mount kit for Series 1 Sports Light Flood, Small Housing. Fits 2 3/8" tenon. Gray	843654154930	JWV-40



Slip Fitter Mount Kit
KT-SLFLED-SF-S1-KIT

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

✓	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	KT-SLFLED-LASER-G	Green laser pointer for Sports Light Flood aiming. Includes hardware to mount to SLFLED fixtures	843654155012	ESD-34



Green Laser Pointer
KT-SLFLED-LASER-G

Note: Each above item has a corresponding specification sheet with technical drawings. Please visit keystonetech.com for details



KT-SLFLED500HV-S1-XX-YM-750-VDIM

SPORTS LIGHT FLOOD

ORDERING INFORMATION

CATALOG NUMBER	PACK QTY.	EASY CODE	UPC
KT-SLFLED500HV-S1-20-YM-750-VDIM	1	HQT-17	843654155302
KT-SLFLED500HV-S1-30-YM-750-VDIM	1	OET-49	843654154916
KT-SLFLED500HV-S1-40-YM-750-VDIM	1	HHO-04	843654155319

CATALOG NUMBER BREAKDOWN

KT-SLFLED500HV-S1-XX-YM-750-VDIM

1	2	3	4	5	6	7	8	9	10	11	12
1 Keystone Technologies	2 Fixture Type	3 LED Lamp	4 High Voltage	5 Wattage	6 Size	7 Style	2 Fixture Type	5 Size	7 Beam Angle	10 CRI	11 CCT
							SLF Sports Light Flood	S Small	20 20°	30 30°	40 40°
							8 Mounting Options	9 CRI			
							YM Yoke Mount	7 >70			
							11 Dimming		10 CCT		
							VDIM 0–10V		50 5000K		