

# KT-SLFLED500-S1-XX-YM-750-VDIM

## SPORTS LIGHT FLOOD

### DESCRIPTION

500W Sports Light Flood | 5000K | Multiple Beam Angle  
 Options | 120–277V 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°, 40°, 60°, and 80° 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
- Pre installed yoke mount bracket. Slipfitter and knuckle mounts optional (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 for wet locations; 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

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

### PRODUCT SPECIFICATIONS

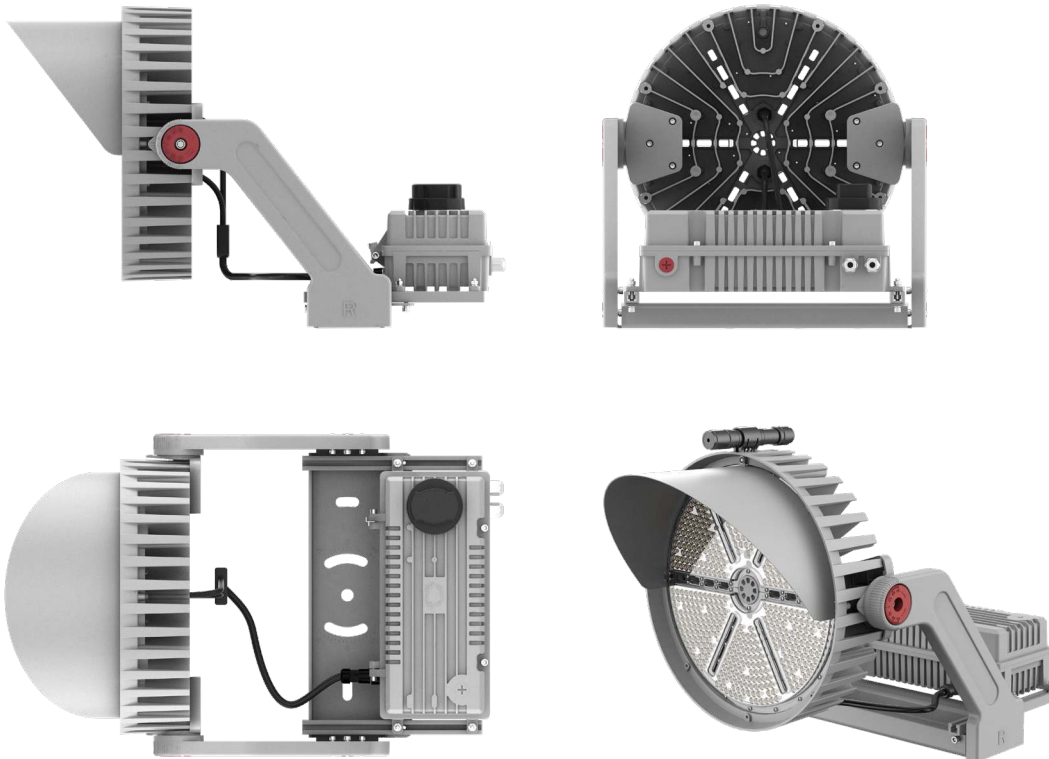
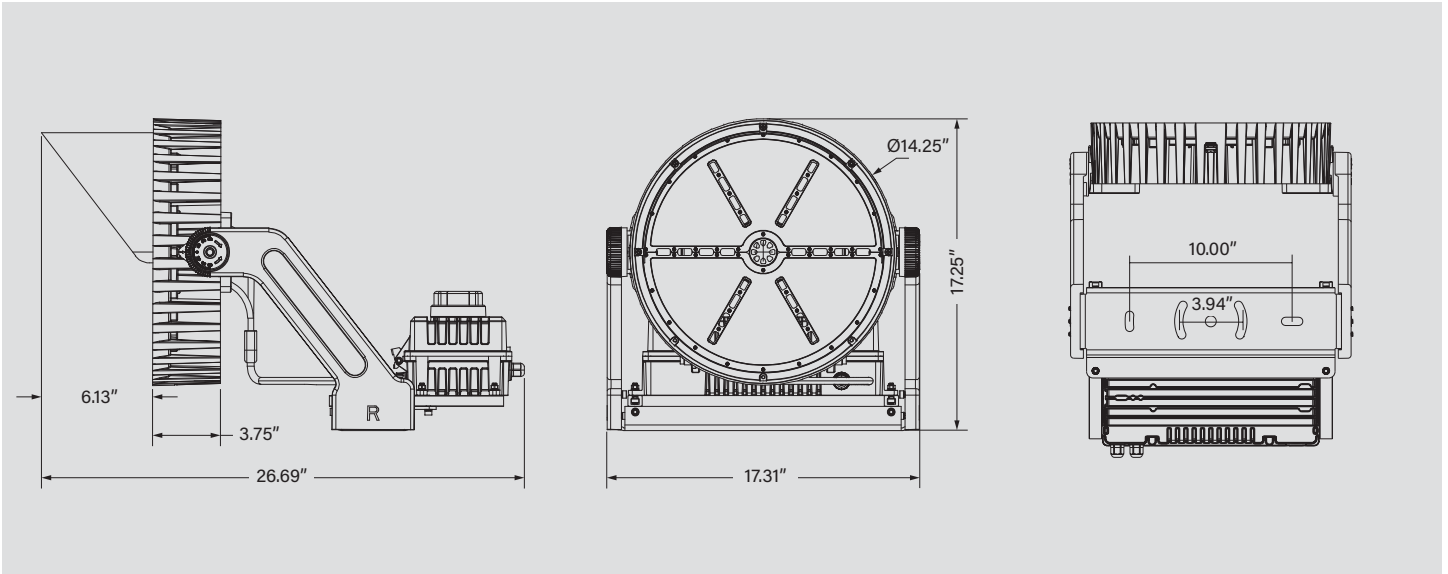
Catalog Number	Wattage	CCT	Lumens	Efficacy	Input Voltage	Dimming	Beam Angle	CRI	DLC	Legacy Equivalent
KT-SLFLED500-S1-20-YM-750-VDIM	500W	5000K	70,000	140 lm/W	120–277V	0–10V	20°	> 70	Y	1,500W MH
KT-SLFLED500-S1-30-YM-750-VDIM							30°			
KT-SLFLED500-S1-40-YM-750-VDIM							40°			
KT-SLFLED500-S1-60-YM-750-VDIM							60°			
KT-SLFLED500-S1-80-YM-750-VDIM							80°			

Note: Fixtures with 20°, 40°, 60°, and 80° beam angles are available and assembled to order. Lead times may apply.

# KT-SLFLED500-S1-XX-YM-750-VDIM

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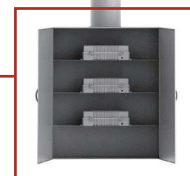
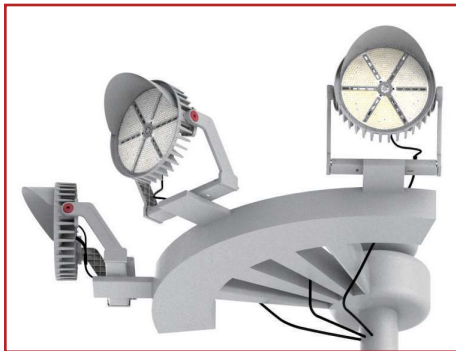
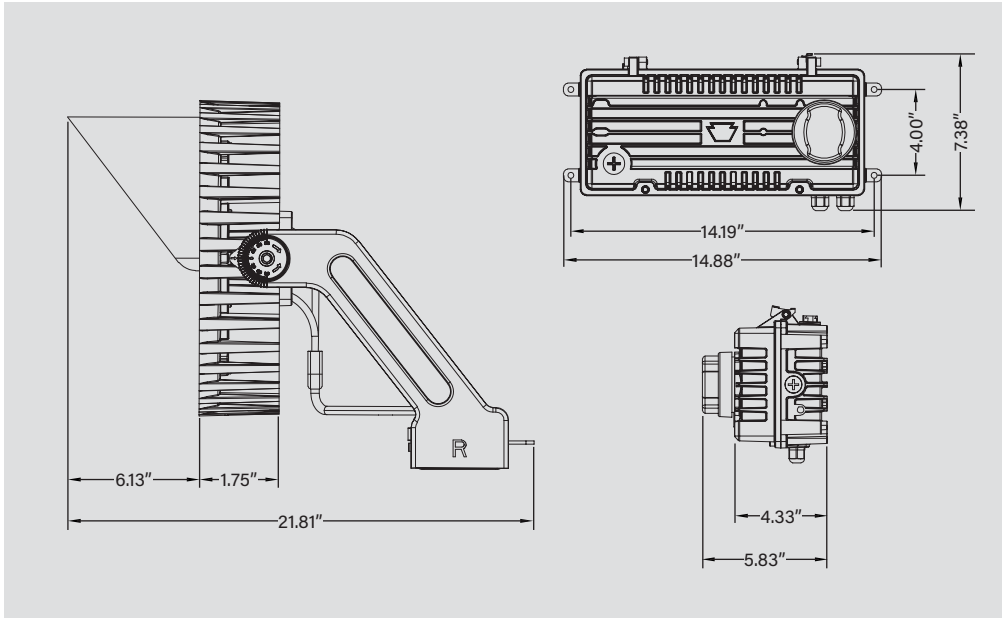
### PHYSICAL SPECIFICATIONS WITH DRIVER BOX ATTACHED



# KT-SLFLED500-S1-XX-YM-750-VDIM

## SPORTS LIGHT FLOOD

### PHYSICAL SPECIFICATIONS WITH DRIVER BOX SEPARATED



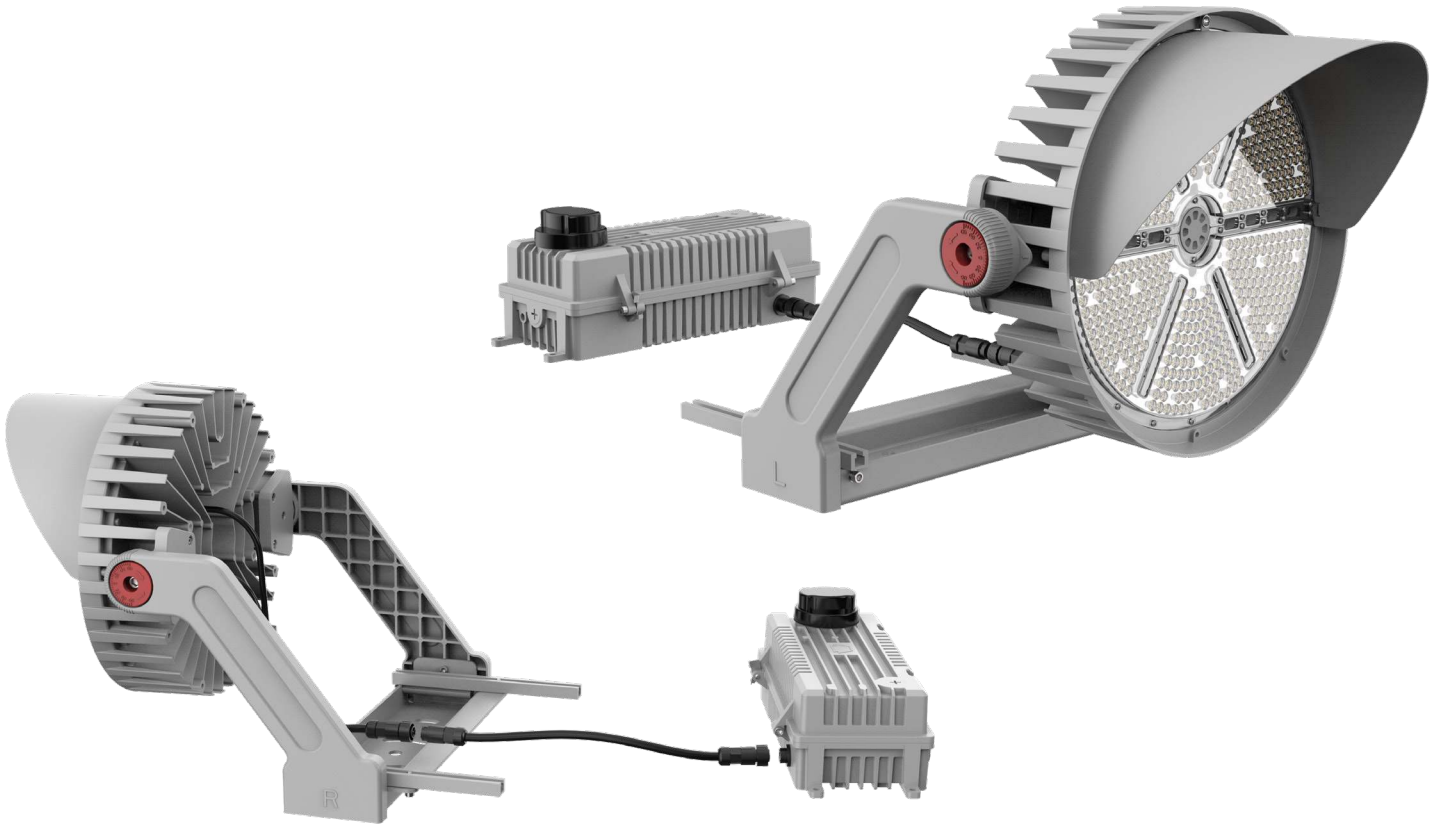
Note: Maximum cord length is 50 m / 164 ft

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

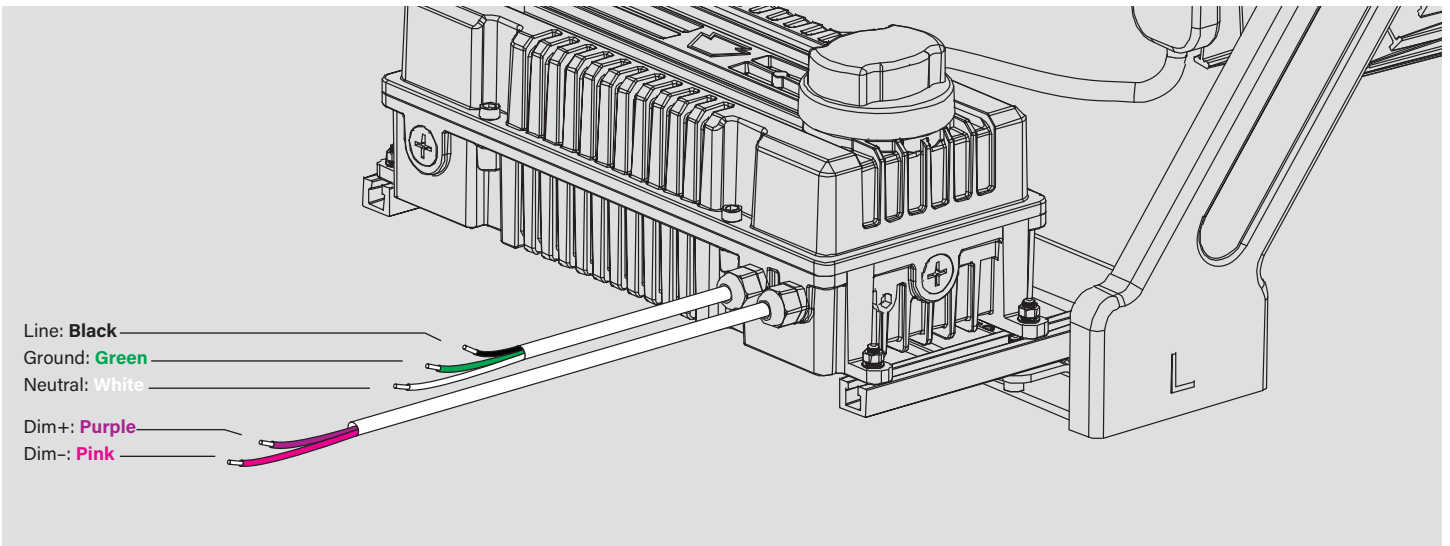
# KT-SLFLED500-S1-XX-YM-750-VDIM

## SPORTS LIGHT FLOOD

WITH DRIVER BOX SEPARATED



### WIRING DIAGRAM



Note: 16 AWG cord. Input and dimming wires extend 3 ft from driver box.

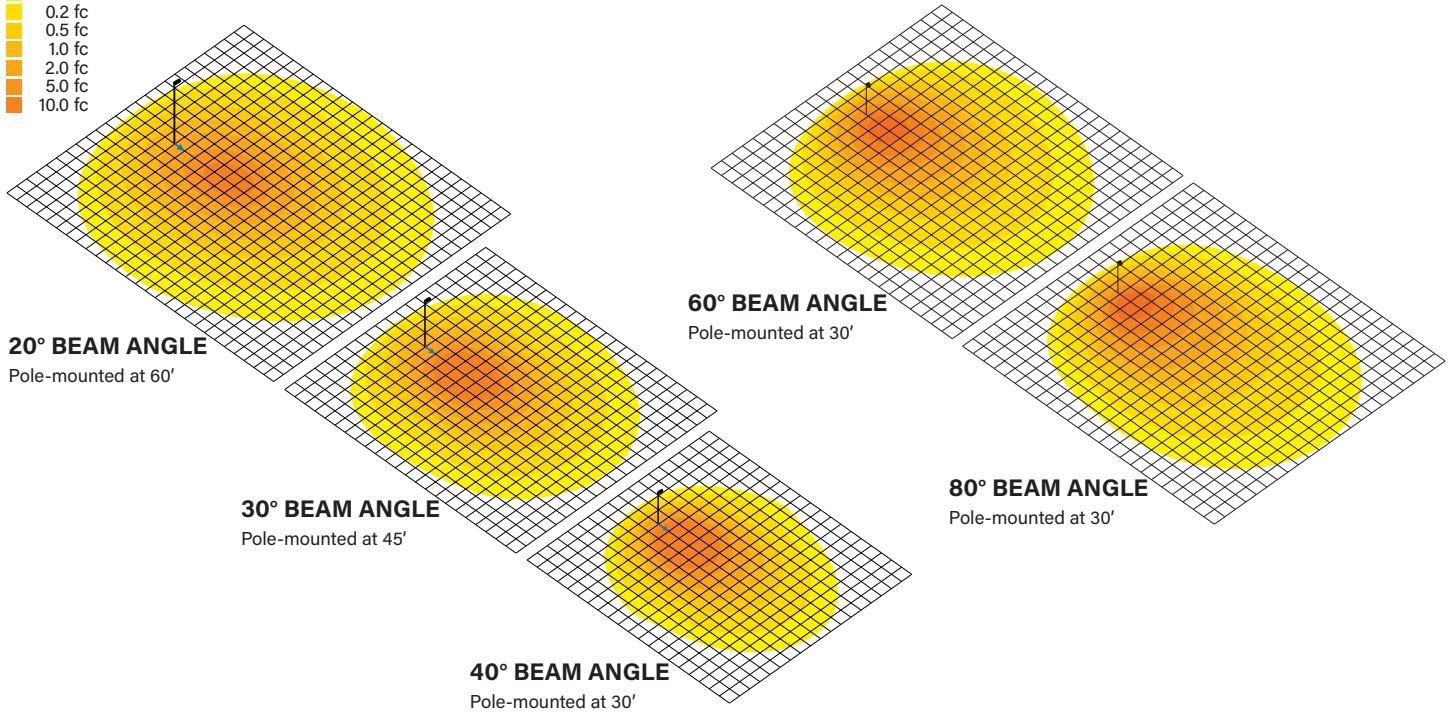
# KT-SLFLED500-S1-XX-YM-750-VDIM

## SPORTS LIGHT FLOOD

### LIGHT DISTRIBUTION PATTERN

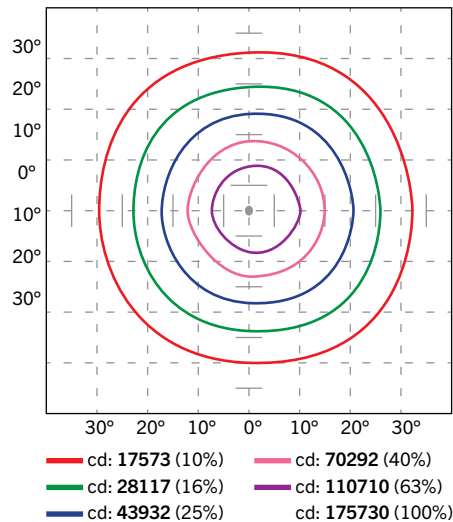
Photometric layouts for general reference only. All fixtures are pointed at 45° below horizontal. Each square is 10 ft x 10 ft

- 0.1 fc
- 0.2 fc
- 0.5 fc
- 1.0 fc
- 2.0 fc
- 5.0 fc
- 10.0 fc

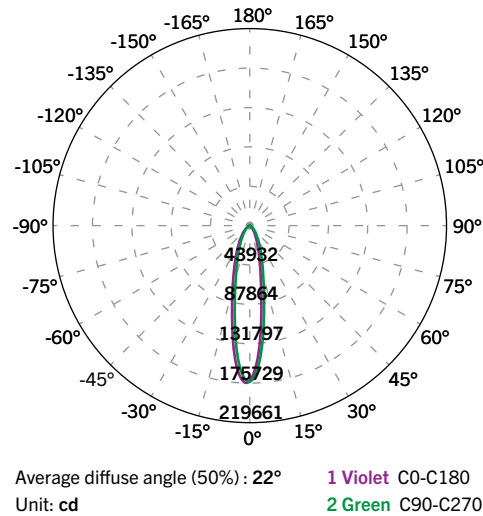


### PHOTOMETRIC SPECIFICATIONS (20° BEAM ANGLE)

#### ISOCANDELA PLOT



#### LUMINOUS INTENSITY DISTRIBUTION



#### FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
<b>Forward Light</b>	<b>32,512</b>	<b>48.5%</b>
0°-30°	20,640	30.8%
30°-60°	9,439	14.1%
60°-80°	2,284	3.4%
80°-90°	149	0.2%
<b>Back Light</b>	<b>33,581</b>	<b>50.1%</b>
0°-30°	21,327	31.8%
30°-60°	9,728	14.5%
60°-80°	2,365	3.5%
80°-90°	161	0.2%
<b>Up Light</b>	<b>964</b>	<b>1.4%</b>
90°-100°	76	0.1%
100°-180°	888	1.3%

(Photometric Specifications continued on next page)

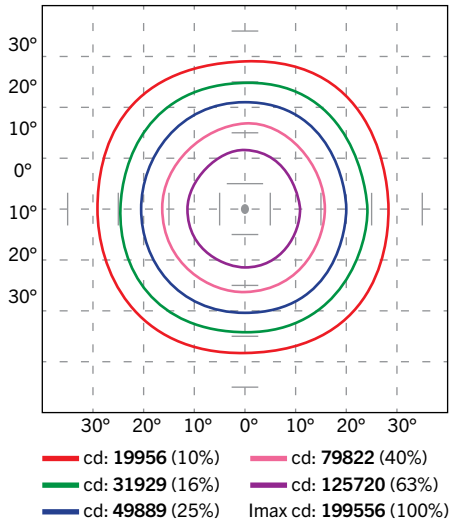


# KT-SLFLED500-S1-XX-YM-750-VDIM

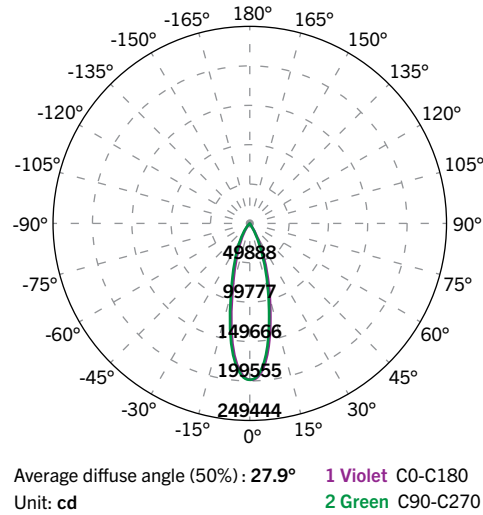
## SPORTS LIGHT FLOOD

### PHOTOMETRIC SPECIFICATIONS (30° BEAM ANGLE)

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION

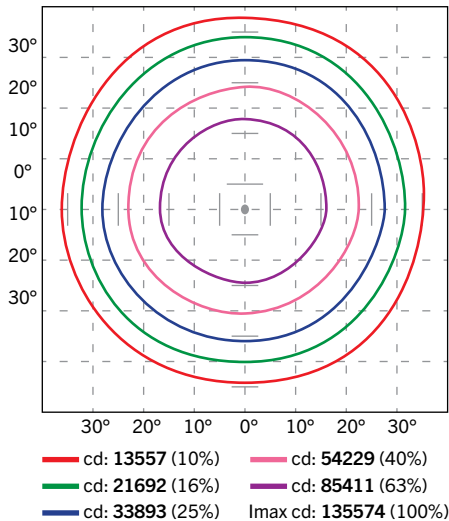


FLUX DISTRIBUTION

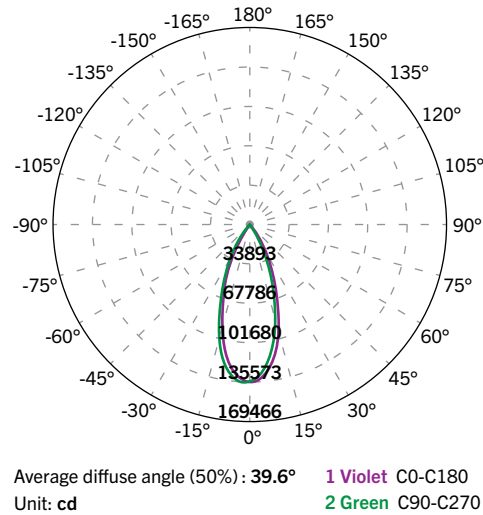
Zone	Lumens	% Luminaire
<b>Forward Light</b>	<b>35,378</b>	<b>49.8%</b>
0°-30°	27,365	38.5%
30°-60°	6,662	9.4%
60°-80°	1,281	1.8%
80°-90°	70	0.1%
<b>Back Light</b>	<b>35,651</b>	<b>50.2%</b>
0°-30°	27,576	38.8%
30°-60°	6,767	9.5%
60°-80°	1,247	1.8%
80°-90°	61	0.1%
<b>Up Light</b>	<b>0</b>	<b>0.0%</b>
90°-100°	0	0.0%
100°-180°	0	0.0%

### PHOTOMETRIC SPECIFICATIONS (40° BEAM ANGLE)

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION



FLUX DISTRIBUTION

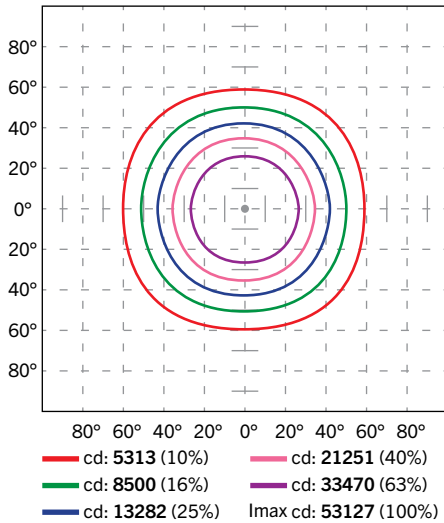
Zone	Lumens	% Luminaire
<b>Forward Light</b>	<b>34,734</b>	<b>46.0%</b>
0°-30°	26,728	35.4%
30°-60°	7,118	9.4%
60°-80°	825	1.1%
80°-90°	62	0.1%
<b>Back Light</b>	<b>39,748</b>	<b>52.7%</b>
0°-30°	30,347	40.2%
30°-60°	8,516	11.3%
60°-80°	821	1.1%
80°-90°	64	0.1%
<b>Up Light</b>	<b>986</b>	<b>1.3%</b>
90°-100°	61	0.1%
100°-180°	925	1.2%

# KT-SLFLED500-S1-XX-YM-750-VDIM

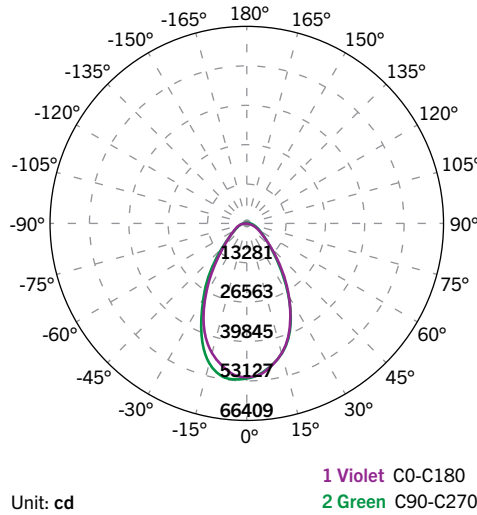
## SPORTS LIGHT FLOOD

### PHOTOMETRIC SPECIFICATIONS (60° BEAM ANGLE)

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION

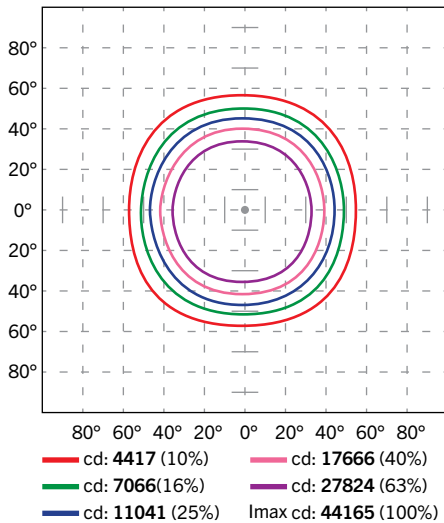


FLUX DISTRIBUTION

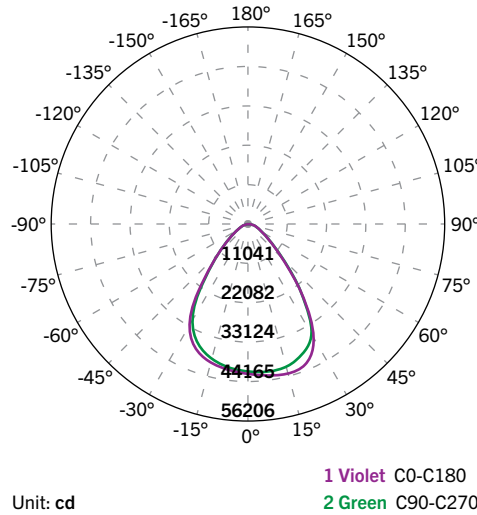
Zone	Lumens	% Luminaire
<b>Forward Light</b>	<b>34,234</b>	<b>50.3%</b>
0°-30°	17,107	25.2%
30°-60°	14,100	20.7%
60°-80°	2,833	4.2%
80°-90°	193	0.3%
<b>Back Light</b>	<b>33,765</b>	<b>49.7%</b>
0°-30°	16,995	25.0%
30°-60°	13,827	20.3%
60°-80°	2,770	4.1%
80°-90°	172	0.3%
<b>Up Light</b>	<b>0</b>	<b>0.0%</b>
90°-100°	0	0.0%
100°-180°	0	0.0%

### PHOTOMETRIC SPECIFICATIONS (80° BEAM ANGLE)

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION



FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
<b>Forward Light</b>	<b>35,640</b>	<b>51.6%</b>
0°-30°	17,423	25.2%
30°-60°	16,098	23.3%
60°-80°	1,973	2.9%
80°-90°	146	0.2%
<b>Back Light</b>	<b>33,477</b>	<b>48.4%</b>
0°-30°	16,518	23.9%
30°-60°	14,921	21.6%
60°-80°	1,895	2.7%
80°-90°	143	0.2%
<b>Up Light</b>	<b>0</b>	<b>0.0%</b>
90°-100°	0	0.0%
100°-180°	0	0.0%







# KT-SLFLED500-S1-XX-YM-750-VDIM

## 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](mailto: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			
<b>Plate Mount</b> 	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-UV-3PN	NEMA Type 3-Pin Photocell; 120-277V; 1800VA max	Blue	843654131825	NQT-46



#### CORD SETS

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

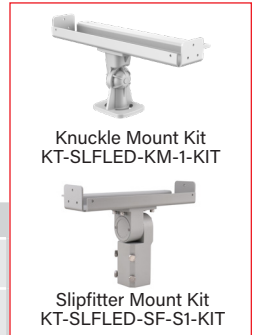
✓	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	KT-SLFLED-EC-35	35' extension cord to remote mount LED driver for SLFLED fixtures	843654154992	OKK-79
	KT-SLFLED-EC-65	65' extension cord to remote mount LED driver for SLFLED fixtures	843654155005	QCB-67



#### MOUNTS AND BRACKETS

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

✓	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	KT-SLFLED-KM-1-KIT	Knuckle mount kit for Series 1 Sports Light Flood, Small Housing. Gray	843654155821	BHT-47
	KT-SLFLED-SF-S1-KIT	Slipfitter mount kit for Series 1 Sports Light Flood, Small Housing. Fits 2 3/8" tenon. Gray	843654154930	JWV-40



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



Note: Each above item has a corresponding specification sheet with technical drawings. Please visit [keystonetech.com](http://keystonetech.com) for details





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## SPORTS LIGHT FLOOD

### ORDERING INFORMATION

CATALOG NUMBER	UPC	EASY CODE
KT-SLFLED500-S1-20-YM-750-VDIM	843654155265	UCQ-93
KT-SLFLED500-S1-30-YM-750-VDIM	843654154893	BJC-36
KT-SLFLED500-S1-40-YM-750-VDIM	843654155272	KUC-98
KT-SLFLED500-S1-60-YM-750-VDIM	843654159836	NFJ-55
KT-SLFLED500-S1-80-YM-750-VDIM	843654159843	AEL-86

### CATALOG NUMBER BREAKDOWN

# KT-SLFLED500-S1-XX-YM-750-VDIM

1	2	3	4	5	6	7	8	9	10	11
<b>1 Keystone Technologies</b>	<b>2 Fixture Type</b>	<b>3 LED Lamp</b>	<b>4 Wattage</b>	<b>5 Size</b>	<b>6 Style</b>	<b>7 Beam Angle</b>	<b>8 Mounting Options</b>	<b>9 CRI</b>	<b>10 CCT</b>	<b>11 Dimming</b>
	SLF Sports Light Flood			S Small		20 20°	YM Yoke Mount	7 > 70	50 5000K	VDIM 0-10V
						30 30°				
						40 40°				
						60 60°				
						80 80°				