



KT-SLFLED750-M1-XX-YM-750-VDIM

SPORTS LIGHT FLOOD

DESCRIPTION

750W 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.)



10 YEAR
LIMITED WARRANTY



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 with built-in 20kV line-to-ground surge protection
- 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

Carton Dimensions	23.82"L x 24.61"W x 23.03"H
Carton Weight	57.10 lbs
Total Fixture Weight	51.81 lbs
Fixture Head Weight	37.21 lbs
Fixture Driver Box Weight	14.59 lbs

PRODUCT SPECIFICATIONS

Catalog Number	Wattage	CCT	Lumens	Efficacy	Input Voltage	Dimming	Beam Angle	CRI	DLC	Legacy Equivalent
KT-SLFLED750-M1-20-YM-750-VDIM	750W	5000K	105,000	140 lm/W	120–277V	0–10V	20°	> 70	Y	2,000W MH
KT-SLFLED750-M1-30-YM-750-VDIM							30°			
KT-SLFLED750-M1-40-YM-750-VDIM							40°			
KT-SLFLED750-M1-60-YM-750-VDIM							60°			
KT-SLFLED750-M1-80-YM-750-VDIM							80°			

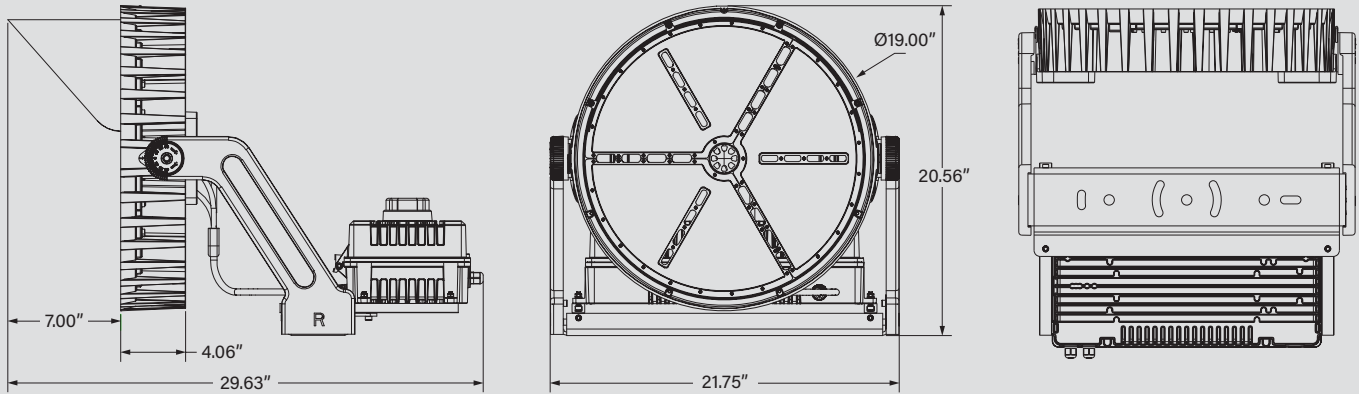
Note: Fixtures with 20°, 40°, 60°, and 80° beam angles are available and assembled to order. Lead times may apply.

KT-SLFLED750-M1-XX-YM-750-VDIM

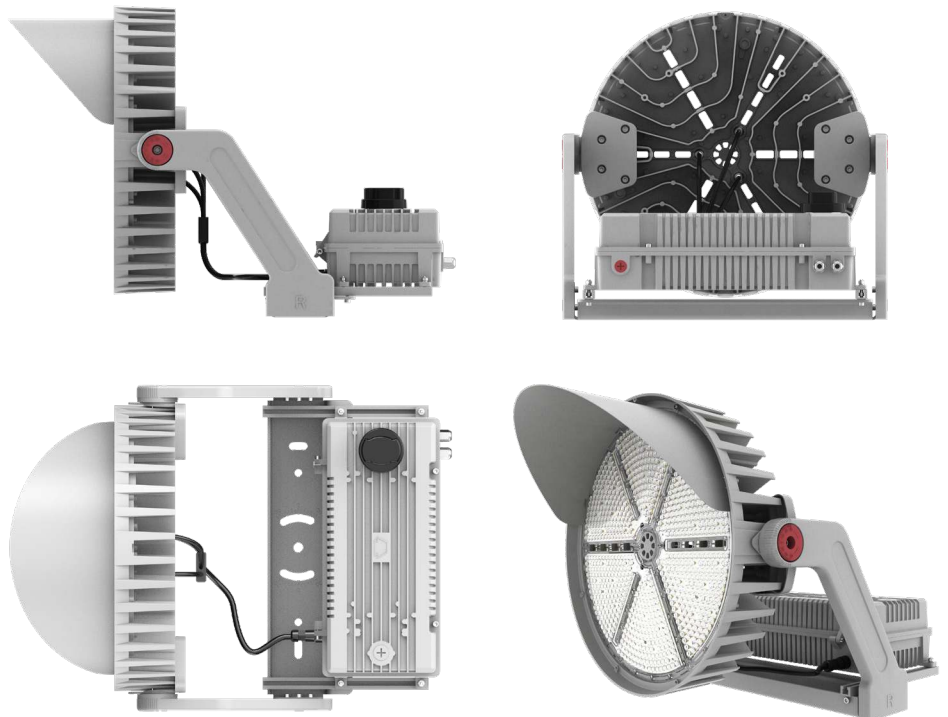
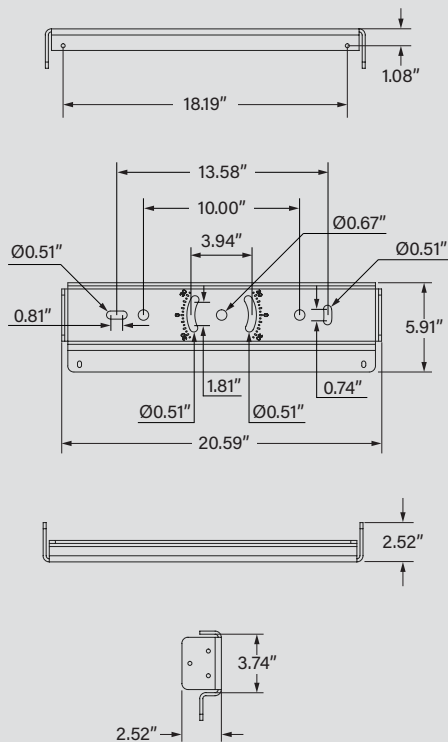
SPORTS LIGHT FLOOD

PHYSICAL SPECIFICATIONS

WITH DRIVER BOX ATTACHED



CROSSARM

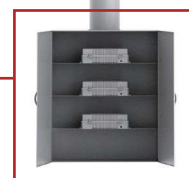
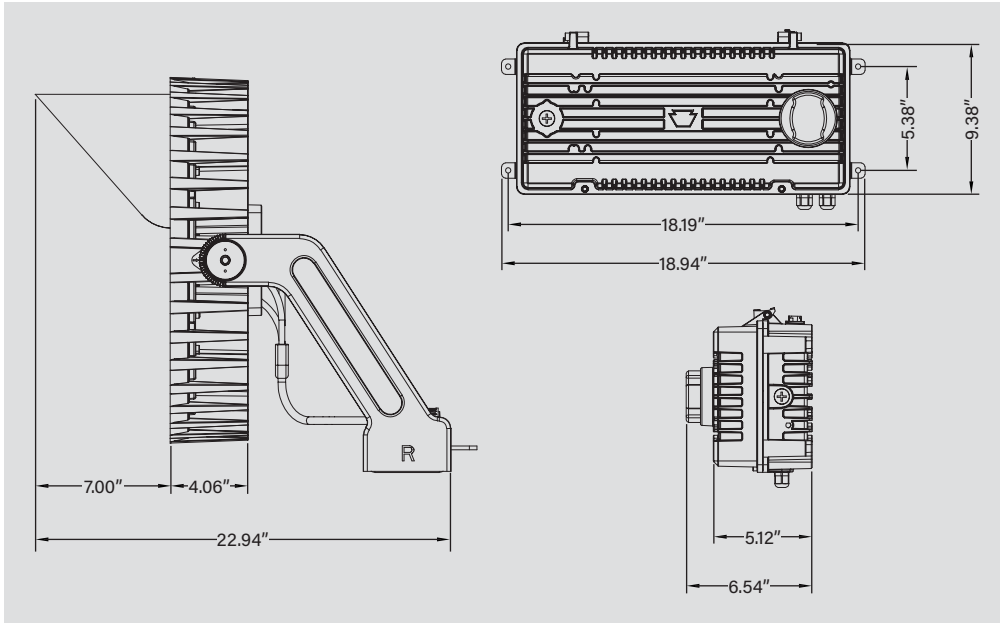


KT-SLFLED750-M1-XX-YM-750-VDIM

SPORTS LIGHT FLOOD

PHYSICAL SPECIFICATIONS

WITH DRIVER BOX SEPARATED



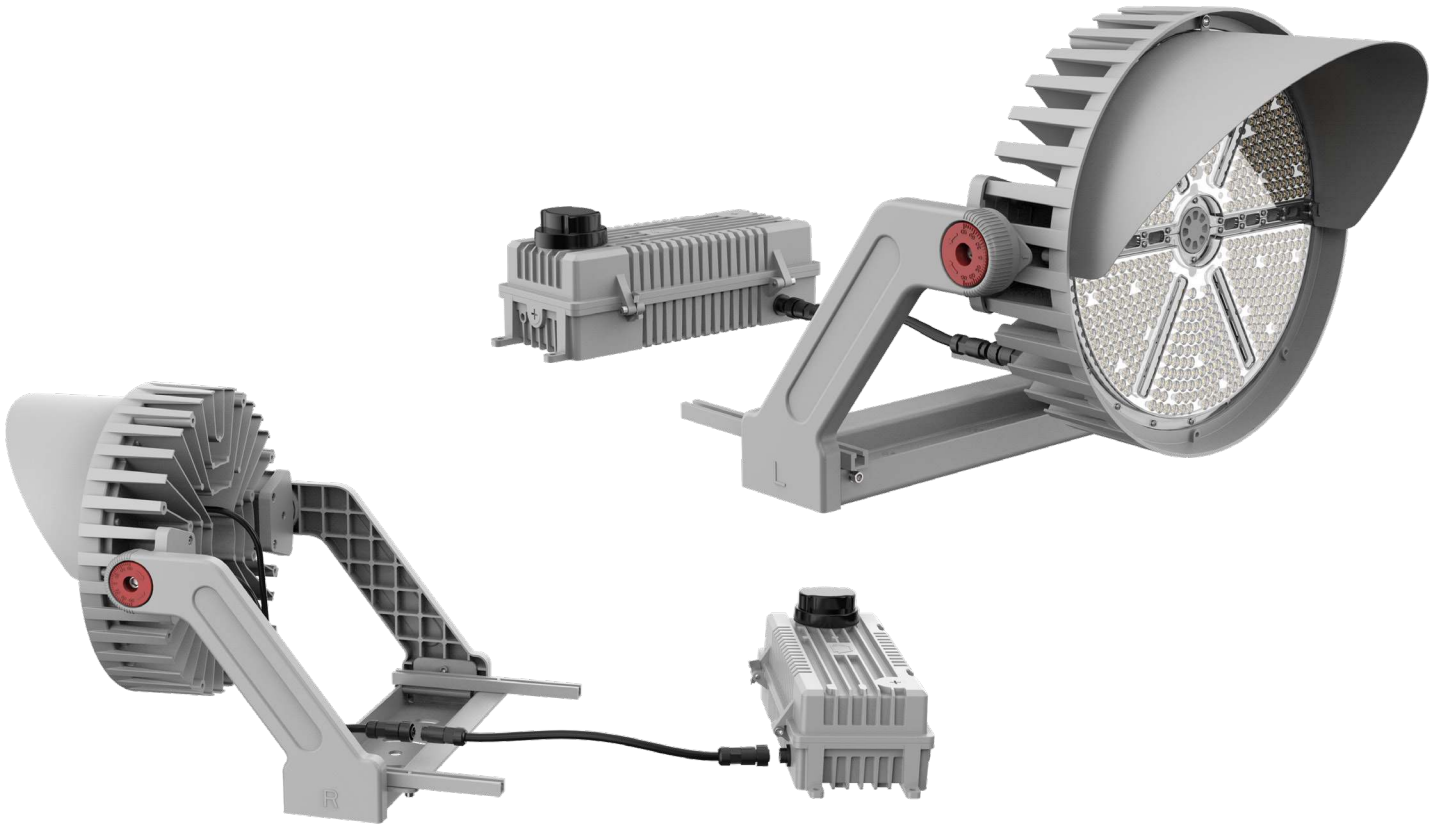
Note: Maximum cord length is 50 m / 164 ft

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

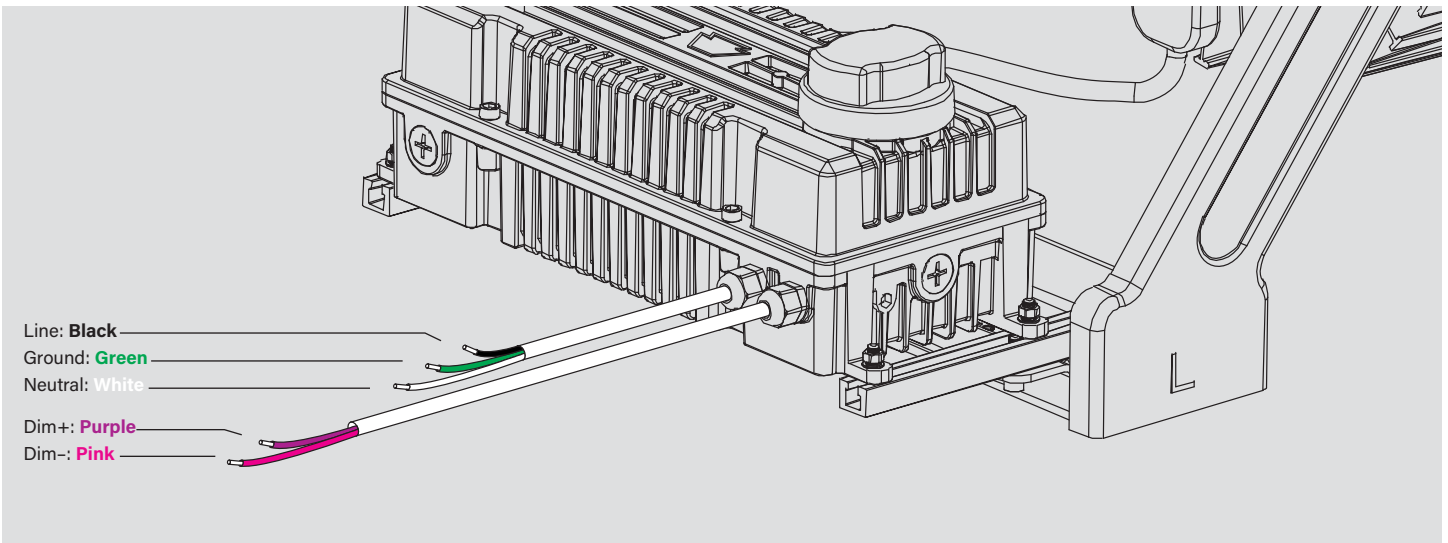
KT-SLFLED750-M1-XX-YM-750-VDIM

SPORTS LIGHT FLOOD

WITH DRIVER BOX SEPARATED



WIRING DIAGRAM



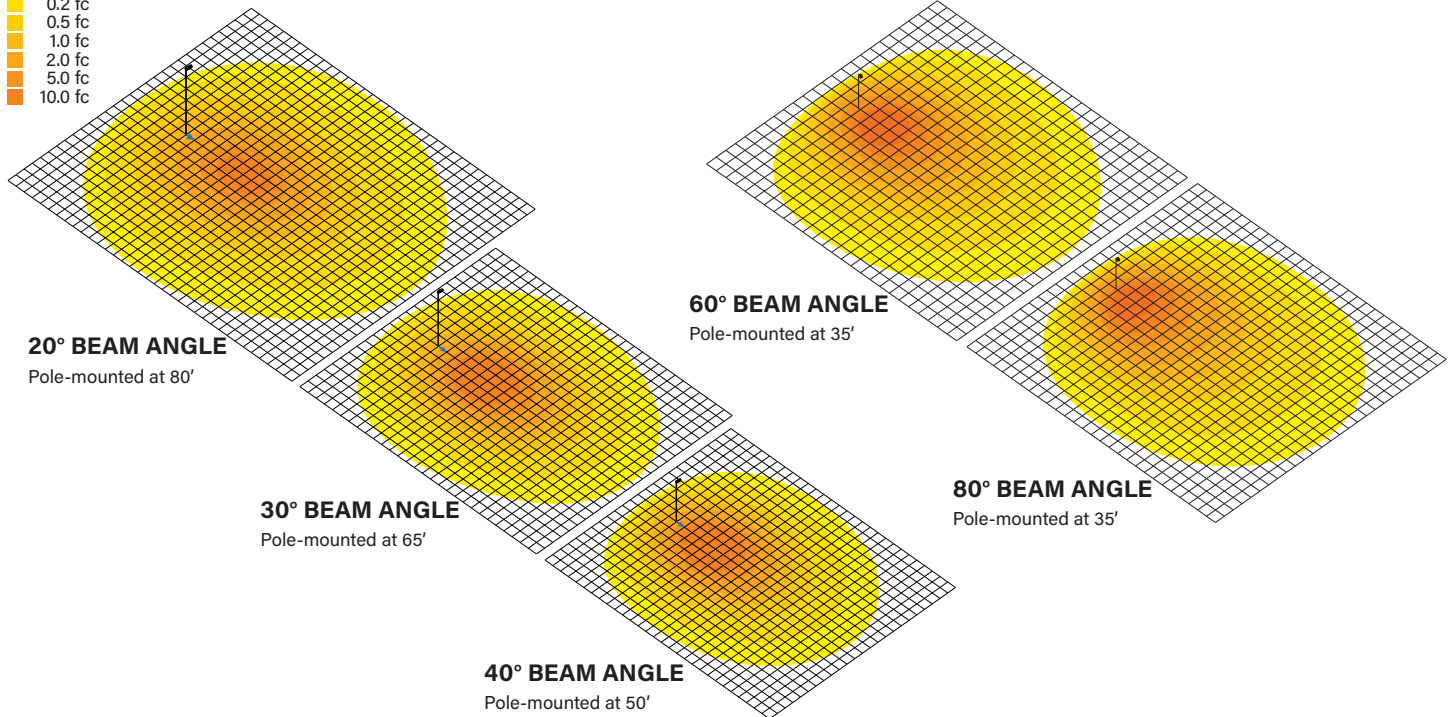
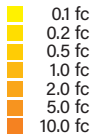
Note: 16 AWG cord. Input and dimming wires extend 3 ft from driver box.

KT-SLFLED750-M1-XX-YM-750-VDIM

SPORTS LIGHT FLOOD

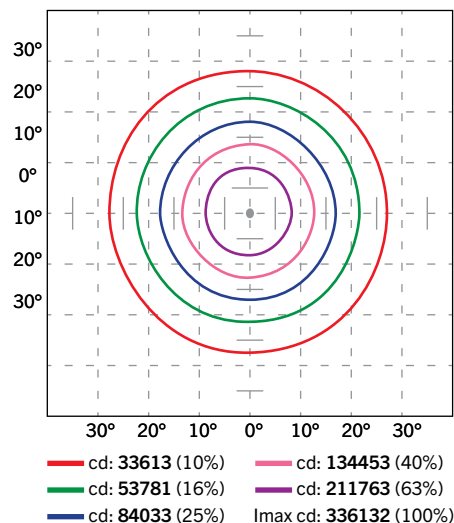
LIGHT DISTRIBUTION PATTERN

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

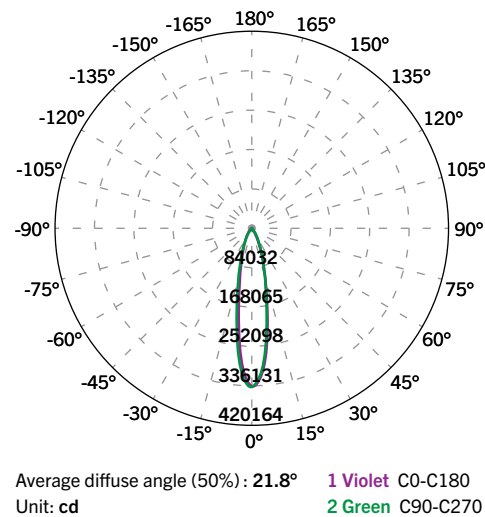


PHOTOMETRIC SPECIFICATIONS (20° BEAM ANGLE)

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION



FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light	53,273	48.6%
0°-30°	35,774	32.6%
30°-60°	13,741	12.5%
60°-80°	3,458	3.2%
80°-90°	300	0.3%
Back Light	55,074	50.2%
0°-30°	37,316	34.0%
30°-60°	13,898	12.7%
60°-80°	3,529	3.2%
80°-90°	331	0.3%
Up Light	1,338	1.2%
90°-100°	89	0.1%
100°-180°	1,250	1.1%

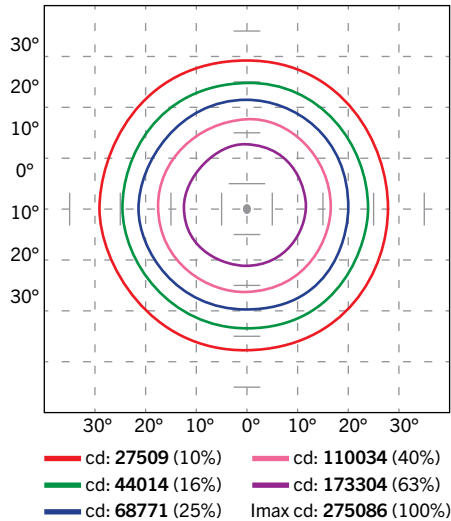
(Photometric Specifications continued on next page)

KT-SLFLED750-M1-XX-YM-750-VDIM

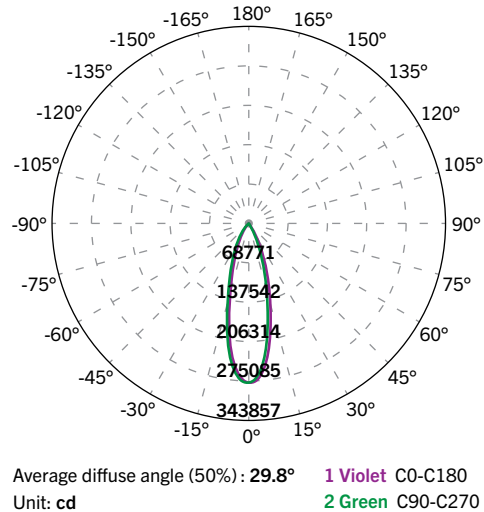
SPORTS LIGHT FLOOD

PHOTOMETRIC SPECIFICATIONS (30° BEAM ANGLE)

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION

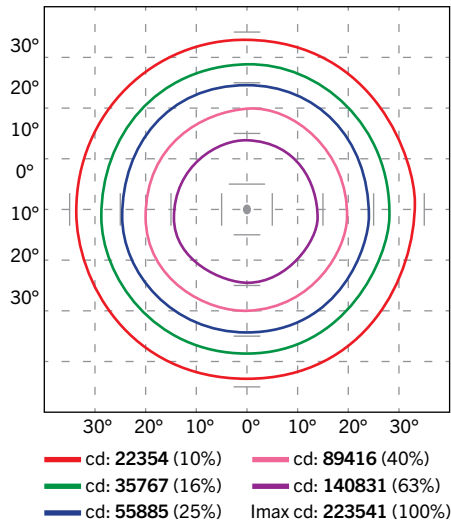


FLUX DISTRIBUTION

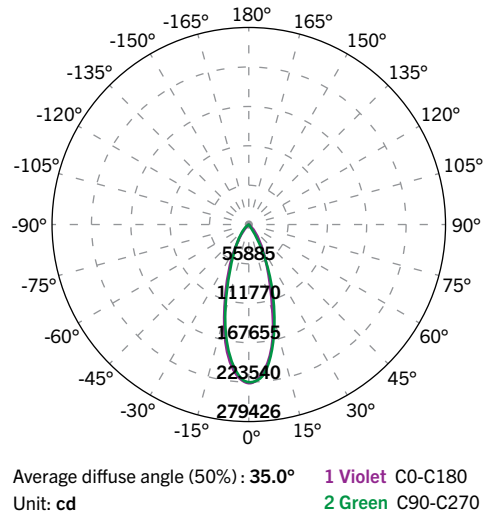
Zone	Lumens	% Luminaire
Forward Light	51,813	48.7%
0°-30°	37,800	35.5%
30°-60°	9,614	9.0%
60°-80°	3,398	3.2%
80°-90°	1,002	0.9%
Back Light	54,668	51.3%
0°-30°	40,317	37.9%
30°-60°	10,001	9.4%
60°-80°	3,391	3.2%
80°-90°	959	0.9%
Up Light	0	0.0%
90°-100°	0	0.0%
100°-180°	0	0.0%

PHOTOMETRIC SPECIFICATIONS (40° BEAM ANGLE)

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION



FLUX DISTRIBUTION

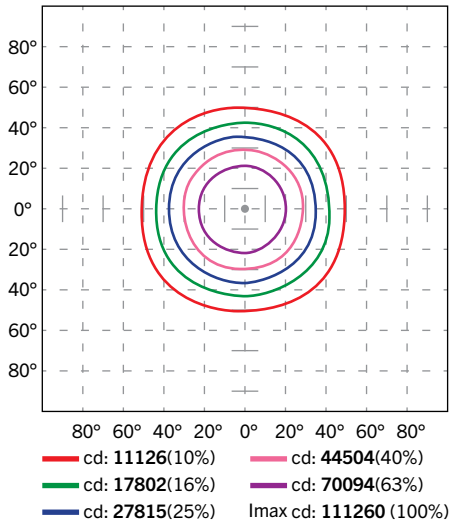
Zone	Lumens	% Luminaire
Forward Light	54,679	49.9%
0°-30°	40,336	36.8%
30°-60°	11,843	10.8%
60°-80°	2,331	2.1%
80°-90°	168	0.2%
Back Light	53,738	49.0%
0°-30°	39,497	36.0%
30°-60°	11,722	10.7%
60°-80°	2,332	2.1%
80°-90°	187	0.2%
Up Light	1,259	1.1%
90°-100°	69	0.1%
100°-180°	1,190	1.1%

KT-SLFLED750-M1-XX-YM-750-VDIM

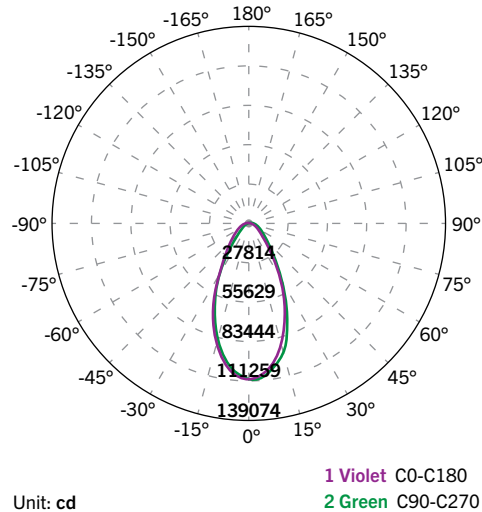
SPORTS LIGHT FLOOD

PHOTOMETRIC SPECIFICATIONS (60° BEAM ANGLE)

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION

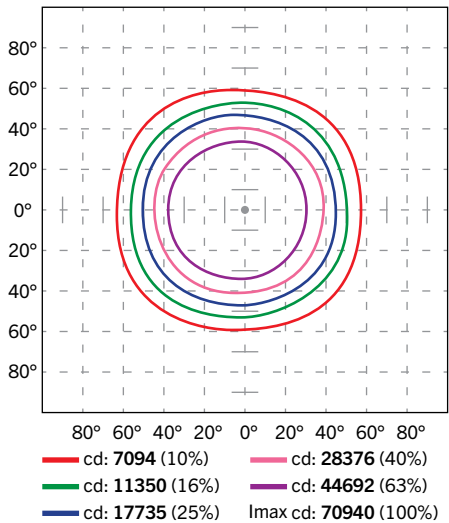


FLUX DISTRIBUTION

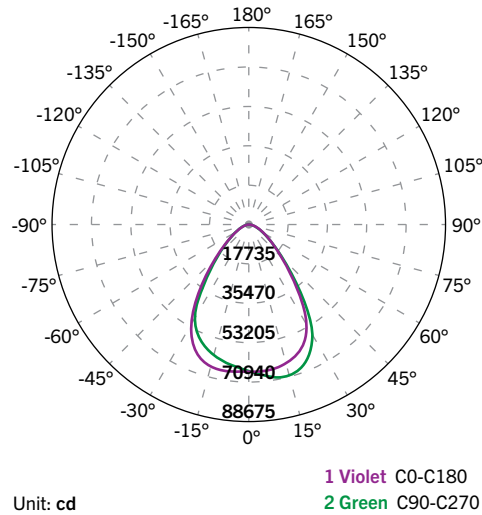
Zone	Lumens	% Luminaire
Forward Light	54,721	50.5%
0°-30°	30,891	28.2%
30°-60°	19,503	18.0%
60°-80°	4,010	3.7%
80°-90°	318	0.3%
Back Light	53,671	49.5%
0°-30°	30,548	28.2%
30°-60°	18,971	17.5%
60°-80°	3,871	3.6%
80°-90°	280	0.3%
Up Light	0	0.0%
90°-100°	0	0.0%
100°-180°	0	0.0%

PHOTOMETRIC SPECIFICATIONS (80° BEAM ANGLE)

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION



FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light	55,063	50.2%
0°-30°	25,859	23.6%
30°-60°	25,422	23.2%
60°-80°	3,542	3.2%
80°-90°	241	0.2%
Back Light	54,673	49.8%
0°-30°	26,136	23.8%
30°-60°	24,884	22.7%
60°-80°	3,435	3.1%
80°-90°	218	0.2%
Up Light	0	0.0%
90°-100°	0	0.0%
100°-180°	0	0.0%

KT-SLFLED750-M1-XX-YM-750-VDIM

SPORTS LIGHT FLOOD

EPA SPECIFICATIONS

Medium-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 Side-by-Side	3 Fixtures Side-by-Side
					
Plate Mount 	45°	M (750W)	2.63 sq. ft.	5.26 sq. ft.	7.88 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
	TL7-HVG ¹	Synapse NEMA Type 7-Pin 0-10V Controller with Built-in Photocell, Power Monitoring, and GPS; 120-480V	Black	TBD	TBD

¹Synapse controllers require gateway and mandatory commissioning service charge. Please contact Keystone for further details



120-277V Photocell
KT-TLP-UV-3PN

synapse



Synapse Controller
TL7-HVG

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-KM-2-KIT	Knuckle mount kit for Series 1 Sports Light Flood, Medium Housing. Gray	843654155838	IWC-30
	KT-SLFLED-SF-M1-KIT	Slipfitter mount kit for Series 1 Sports Light Flood, Medium Housing. Fits 2 3/8" tenon. Gray	843654154930	JWV-40



Knuckle Mount Kit
KT-SLFLED-KM-2-KIT



Slipfitter Mount Kit
KT-SLFLED-SF-M1-KIT

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

(Accessories continued on next page)

KT-SLFLED750-M1-XX-YM-750-VDIM

SPORTS LIGHT FLOOD

GLARE SHIELD

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

✓	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	KT-SLFLED-GS-M1-KIT	Glare Shield Kit Gray Used on 750W Series 1 Sports Light Flood	843654170527	CCN-71
	KT-SLFLED-GS-360-M1-KIT	360° Glare Shield Kit Gray Used on 750W Series 1 Sports Light Flood	843654170084	QXI-03



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 for details

ORDERING INFORMATION

CATALOG NUMBER	UPC	EASY CODE
KT-SLFLED750-M1-20-YM-750-VDIM	843654155289	AHI-09
KT-SLFLED750-M1-30-YM-750-VDIM	843654154909	ULT-90
KT-SLFLED750-M1-40-YM-750-VDIM	843654155296	ZPD-50
KT-SLFLED750-M1-60-YM-750-VDIM	843654159850	TPR-38
KT-SLFLED750-M1-80-YM-750-VDIM	843654159867	WUM-62

CATALOG NUMBER BREAKDOWN

KT-SLFLED750-M1-XX-YM-750-VDIM

1	2	3	4	5	6	7	8	9	10	11
---	---	---	---	---	---	---	---	---	----	----

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