



KT-SLFLED750HV-M1-XX-YM-750-VDIM

SPORTS LIGHT FLOOD

DESCRIPTION

750W Sports Light Flood | 5000K | Multiple Beam Angle Options
208-480V 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.)



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

PERFORMANCE SPECIFICATIONS DETAILED

Catalog Number	Wattage	CCT	Lumens	Efficacy	Input Voltage	Dimming	Beam Angle	CRI	DLC	Legacy Equivalent
KT-SLFLED750HV-M1-20-YM-750-VDIM	750W	5000K	105,000	140 lm/W	208-480V	0-10V	20°	>70	Y	2,000W MH
KT-SLFLED750HV-M1-30-YM-750-VDIM							30°			
KT-SLFLED750HV-M1-40-YM-750-VDIM							40°			
KT-SLFLED750HV-M1-60-YM-750-VDIM							60°			
KT-SLFLED750HV-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.

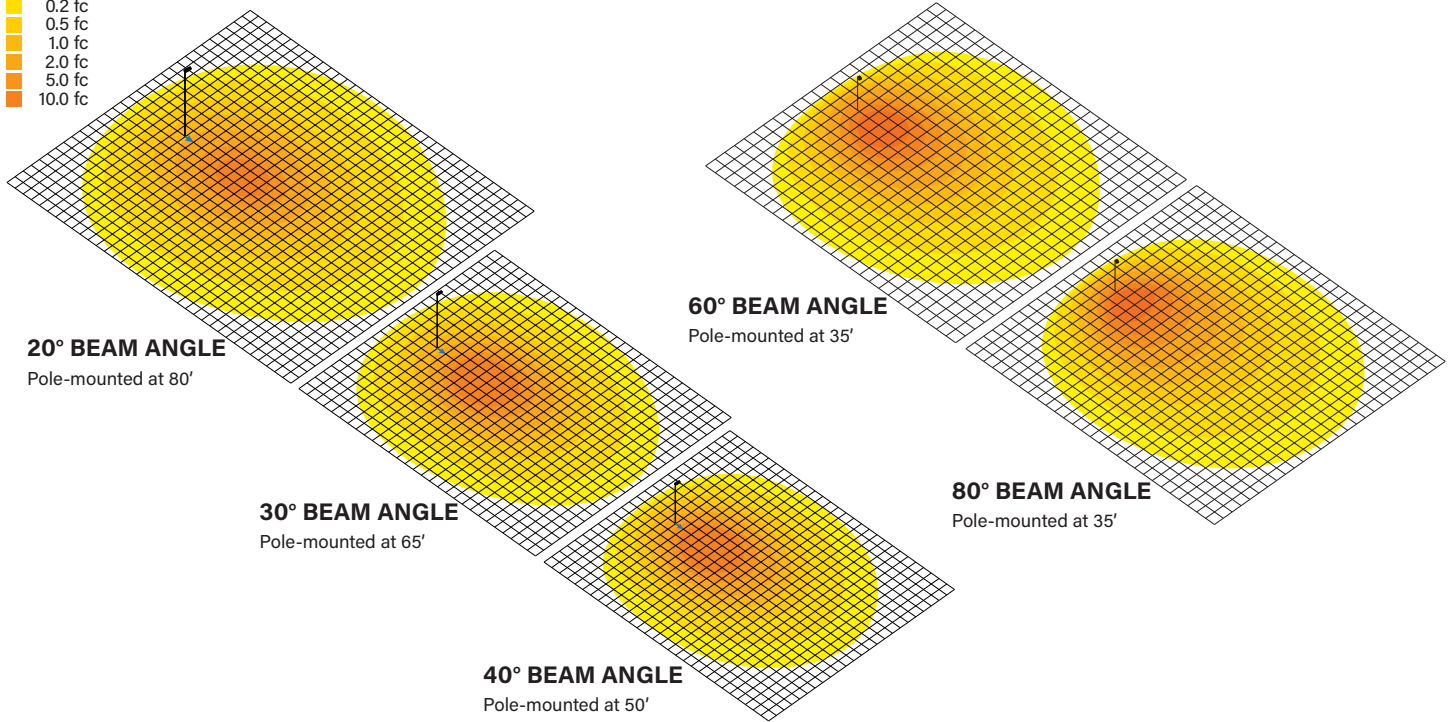
KT-SLFLED750HV-M1-XX-YM-750-VDIM

SPORTS LIGHT FLOOD

LIGHT DISTRIBUTION PATTERN

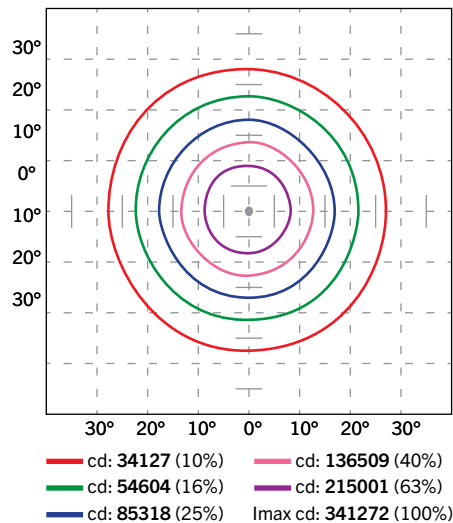
Photometric layouts for general reference only. All fixtures are pointed at 45° below horizontal. Each square is 10 ft x 10 ft

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

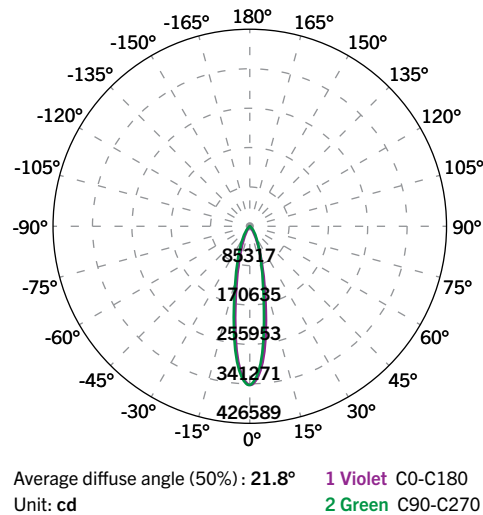


PHOTOMETRIC SPECIFICATIONS (20° BEAM ANGLE)

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION



FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light	53,699	48.5%
0°-30°	36,107	32.6%
30°-60°	13,812	12.5%
60°-80°	3,475	3.1%
80°-90°	305	0.3%
Back Light	55,752	50.3%
0°-30°	37,875	34.2%
30°-60°	13,992	12.6%
60°-80°	3,550	3.2%
80°-90°	335	0.3%
Up Light	1,383	1.2%
90°-100°	92	0.1%
100°-180°	1,291	1.2%

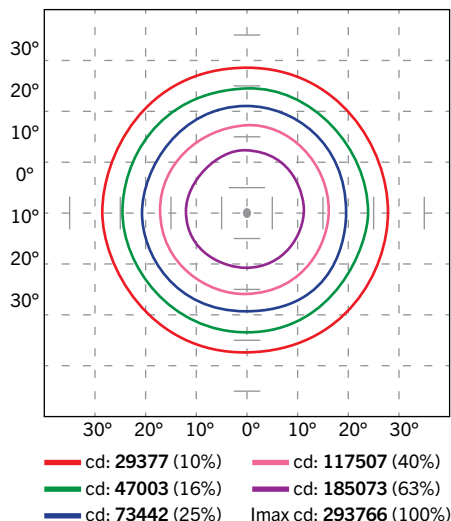
(Photometric Specifications continued on next page)

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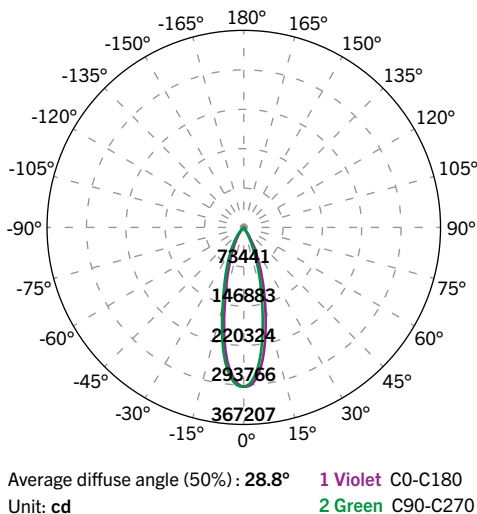
SPORTS LIGHT FLOOD

PHOTOMETRIC SPECIFICATIONS (30° BEAM ANGLE)

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION

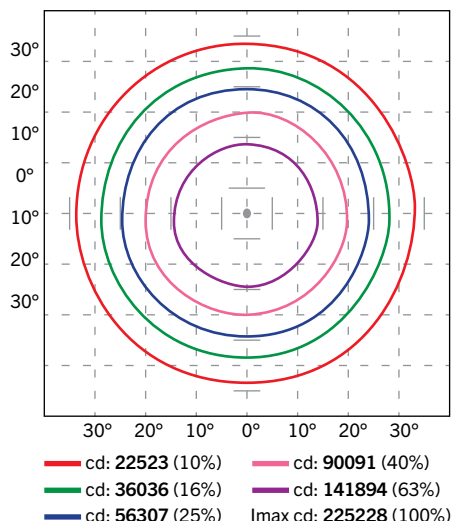


FLUX DISTRIBUTION

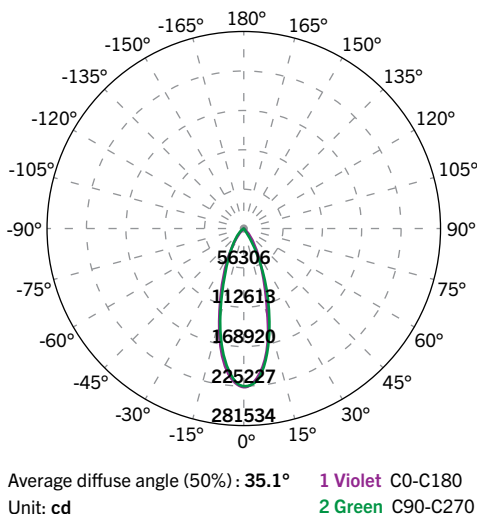
Zone	Lumens	% Luminaire
Forward Light	49,611	48.4%
0°-30°	38,845	37.9%
30°-60°	8,696	8.5%
60°-80°	1,955	1.9%
80°-90°	115	0.1%
Back Light	52,787	51.6%
0°-30°	41,499	40.5%
30°-60°	9,122	8.9%
60°-80°	2,030	2.0%
80°-90°	137	0.1%
Up Light	0	0.0%
90°-100°	0	0.0%
100°-180°	0	0.0%

PHOTOMETRIC SPECIFICATIONS (40° BEAM ANGLE)

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION



FLUX DISTRIBUTION

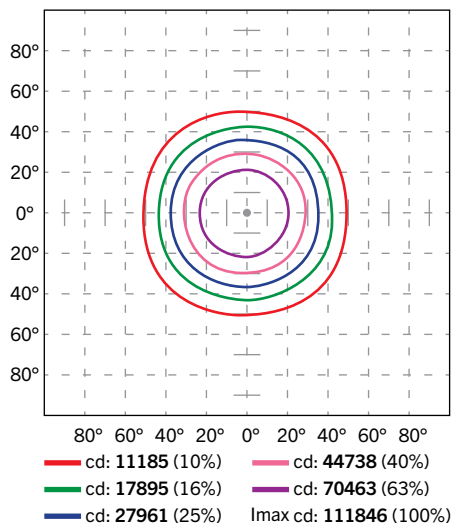
Zone	Lumens	% Luminaire
Forward Light	55,204	49.8%
0°-30°	40,739	36.7%
30°-60°	11,948	10.8%
60°-80°	2,344	2.1%
80°-90°	173	0.2%
Back Light	54,433	49.1%
0°-30°	40,033	36.1%
30°-60°	11,863	10.7%
60°-80°	2,348	2.1%
80°-90°	189	0.2%
Up Light	1,272	1.1%
90°-100°	71	0.1%
100°-180°	1,201	1.1%

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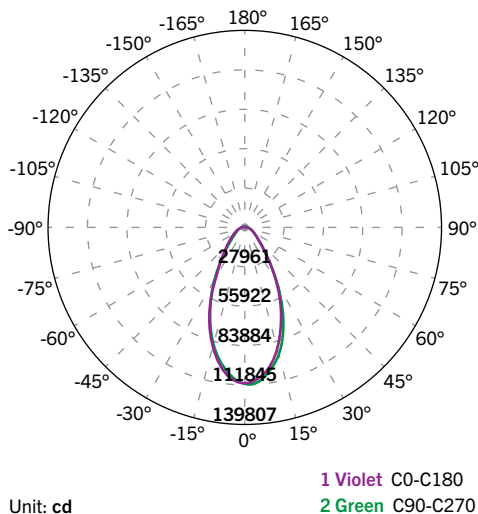
SPORTS LIGHT FLOOD

PHOTOMETRIC SPECIFICATIONS (60° BEAM ANGLE)

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION

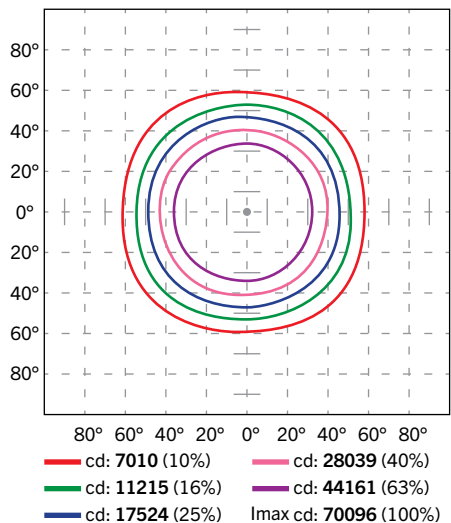


FLUX DISTRIBUTION

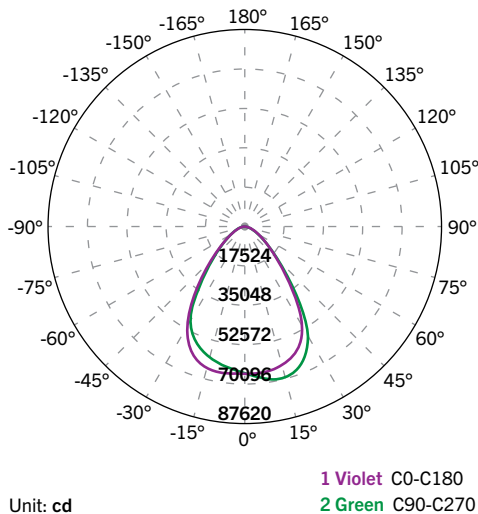
Zone	Lumens	% Luminaire
Forward Light	55847	50.6%
0°-30°	31,535	28.6%
30°-60°	20,025	18.1%
60°-80°	3,986	3.6%
80°-90°	301	0.3%
Back Light	54,567	49.4%
0°-30°	31,115	28.2%
30°-60°	19,366	17.5%
60°-80°	3,831	3.5%
80°-90°	254	0.2%
Up Light	0	0.0%
90°-100°	0	0.0%
100°-180°	0	0.0%

PHOTOMETRIC SPECIFICATIONS (80° BEAM ANGLE)

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION



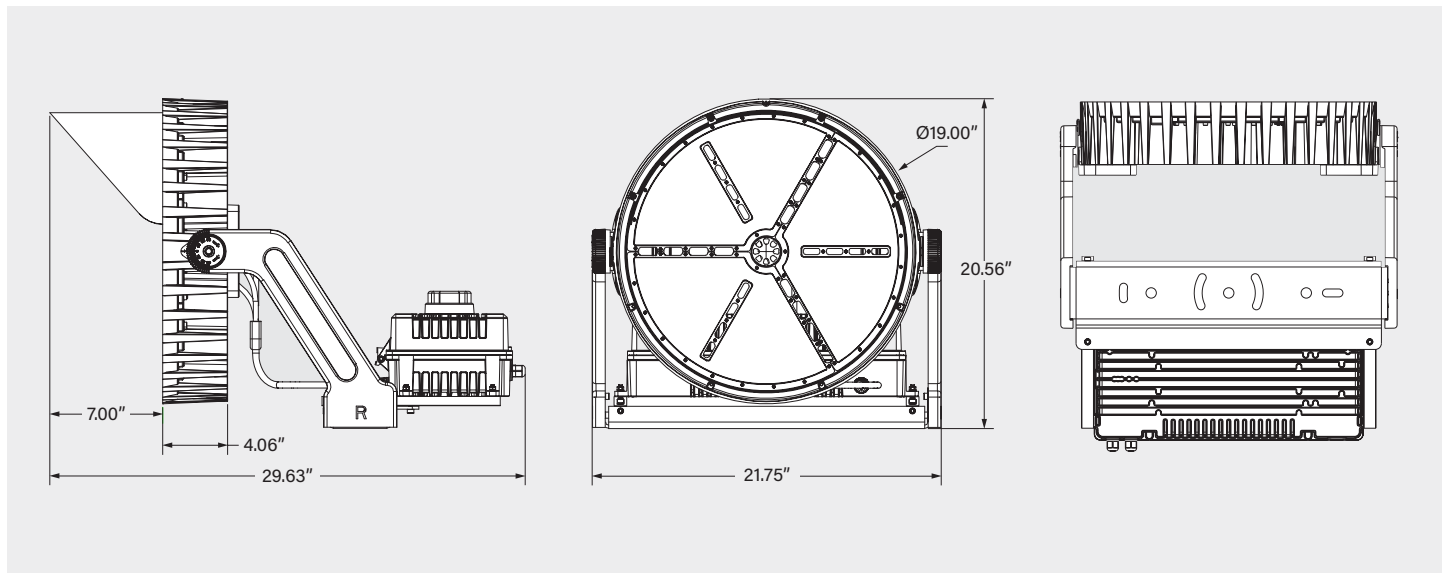
FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light	54,962	50.5%
0°-30°	25,599	23.5%
30°-60°	25,487	23.4%
60°-80°	3,599	3.3%
80°-90°	277	0.3%
Back Light	53,950	49.5%
0°-30°	25,778	23.7%
30°-60°	24,485	22.5%
60°-80°	3,438	3.2%
80°-90°	249	0.2%
Up Light	0	1.0%
90°-100°	0	0.0%
100°-180°	0	1.0%

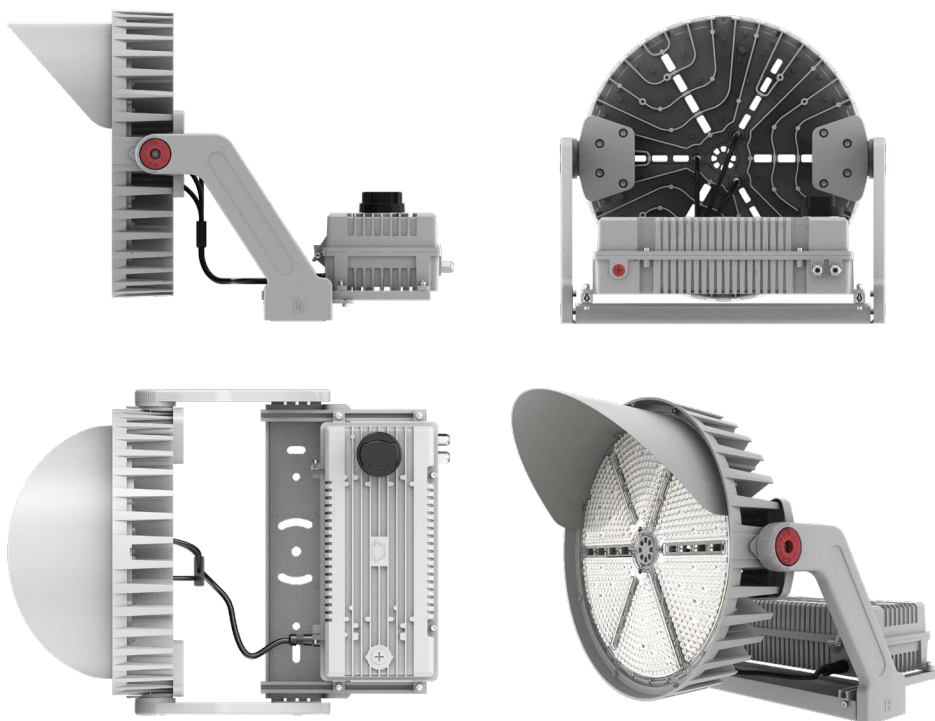
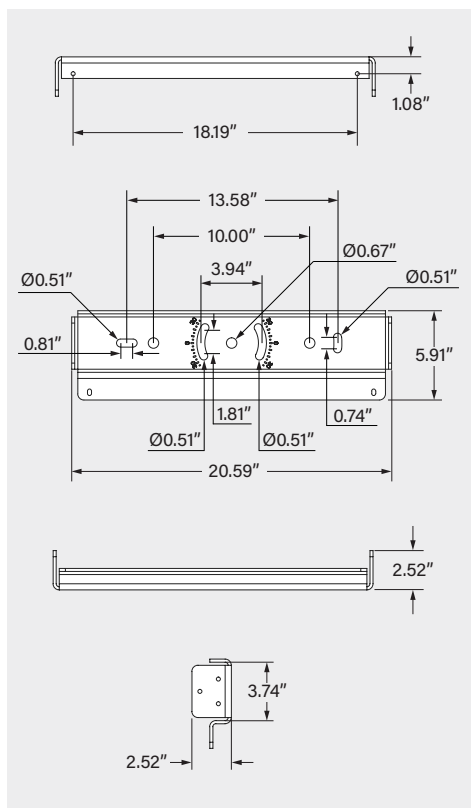
KT-SLFLED750HV-M1-XX-YM-750-VDIM

SPORTS LIGHT FLOOD

PHYSICAL SPECIFICATIONS
 WITH DRIVER BOX ATTACHED



CROSSARM

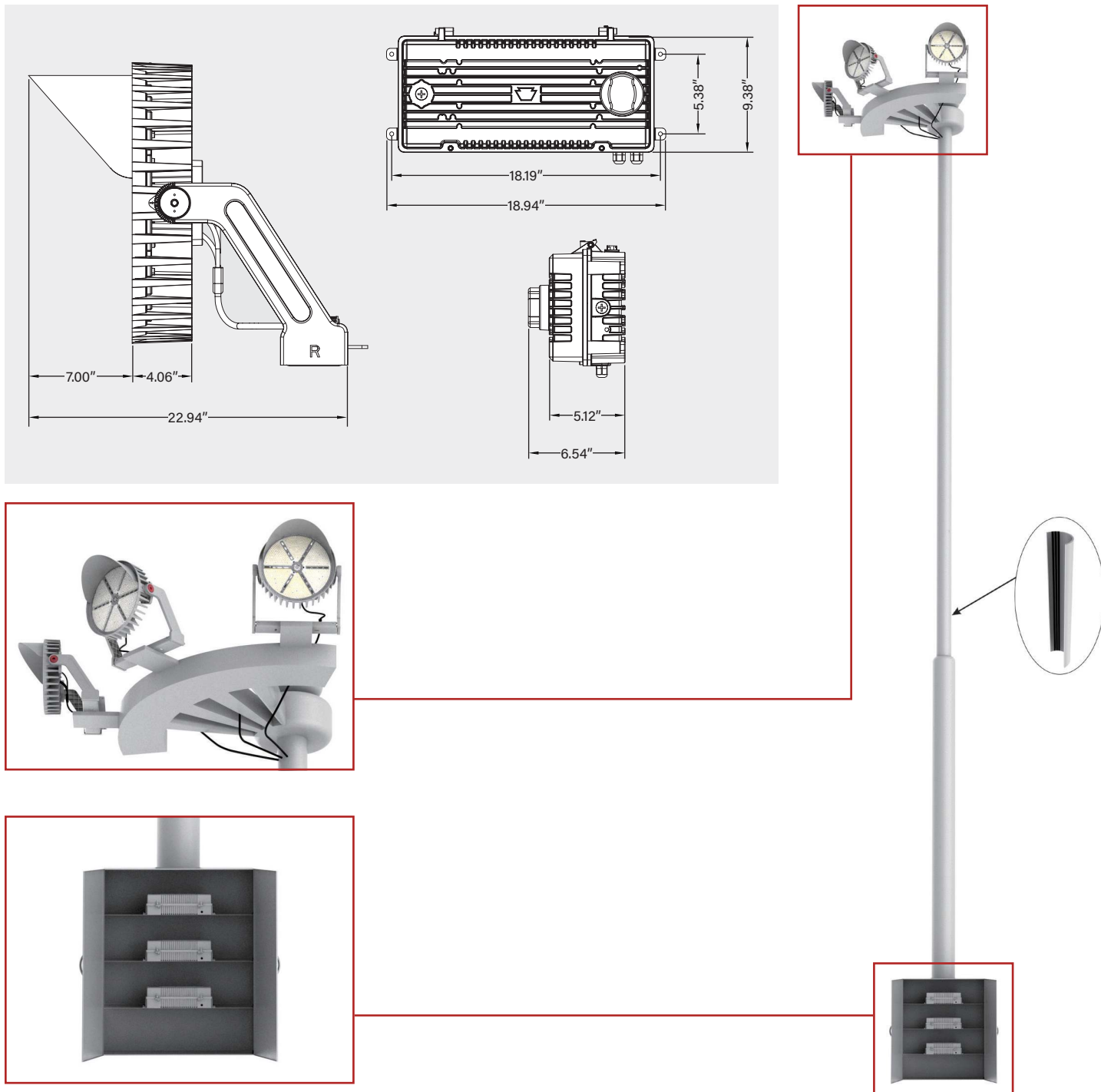


KT-SLFLED750HV-M1-XX-YM-750-VDIM

SPORTS LIGHT FLOOD

PHYSICAL SPECIFICATIONS (continued)

WITH DRIVER BOX SEPARATED



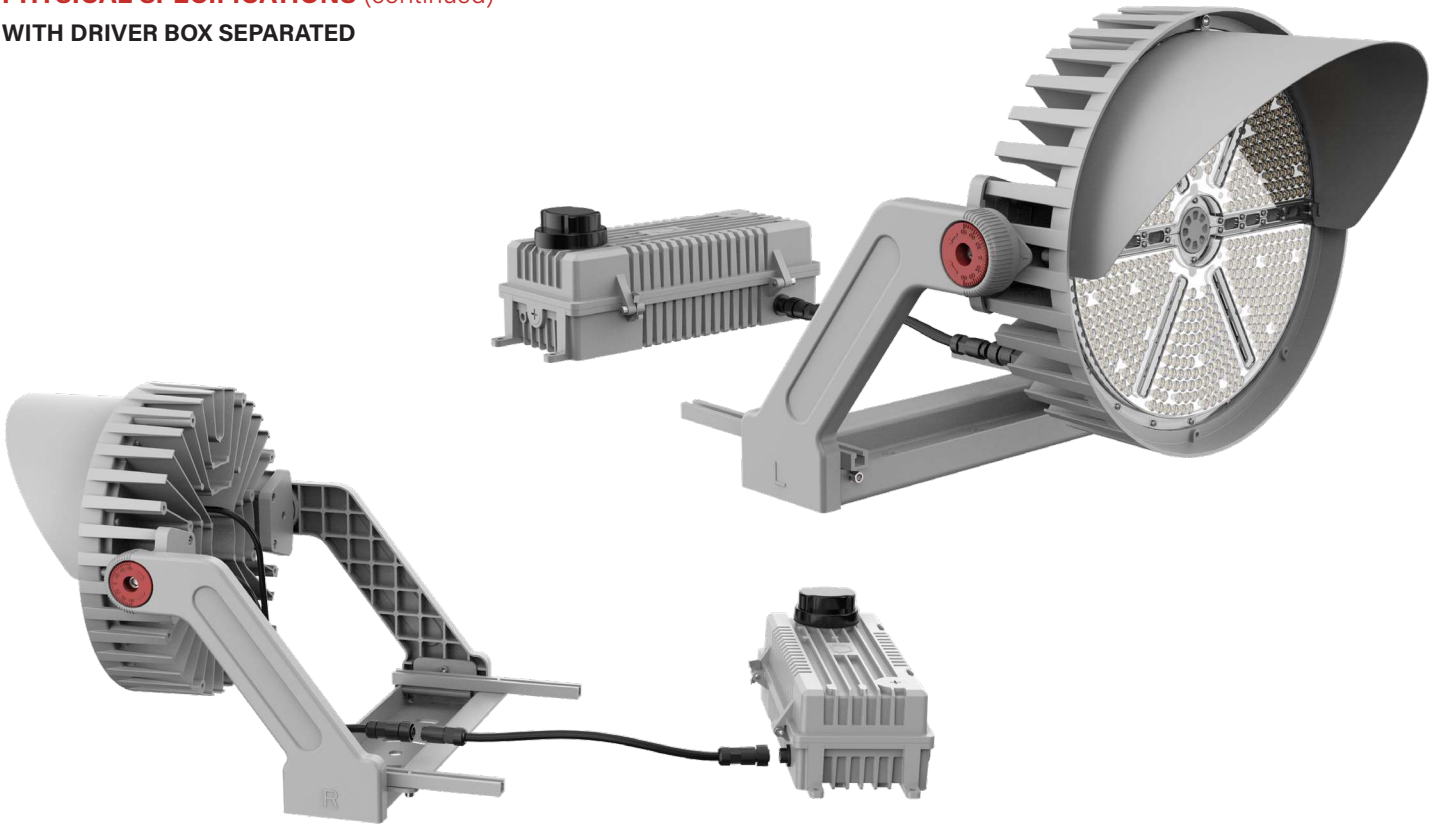
Note: Maximum cord length is 50 m / 164 ft

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

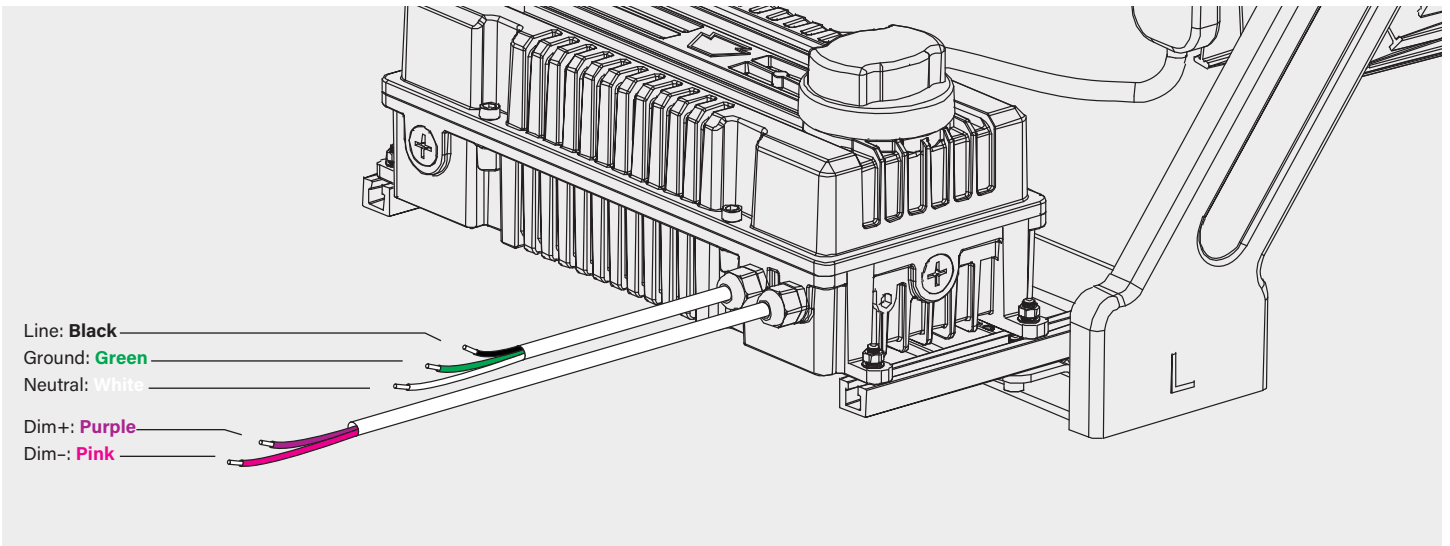
KT-SLFLED750HV-M1-XX-YM-750-VDIM

SPORTS LIGHT FLOOD

PHYSICAL SPECIFICATIONS (continued)
WITH DRIVER BOX SEPARATED



WIRING SPECIFICATIONS



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

KT-SLFLED750HV-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*ft ² View)			Single Fixture	2 Fixtures Side-by-Side	3 Fixtures Side-by-Side
Mounting Application	Fixture Position	Housing Size			
Plate Mount 	45°	M (750W)	2.63 sq. ft.	5.26 sq. ft.	7.88 sq. ft.

ACCESSORIES

SENSORS/CONTROLLERS

Factory-Installable OR Field-Installable (field-installable purchased separately)

✓	Suffix*	Catalog number	Description	UPC	Easy Code
	/3PN	KT-TLP-UV-3PN	NEMA Type 3-Pin Photocell; 120–277V; 1800VA max	843654131825	NQT-46
	/HVG	TL7-HVG ¹	Synapse NEMA Type 7-Pin 0-10V Controller with Built-in Photocell, Power Monitoring, and GPS; 120-480V	TBD	TBD



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

CORD SETS

Field-Installable (field-installable 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



Note: Each above item has a corresponding specification sheet with technical drawings. Please visit keystonetech.com for details (Accessories continued on next page)

KT-SLFLED750HV-M1-XX-YM-750-VDIM

SPORTS LIGHT FLOOD

ACCESSORIES (continued)

MOUNTS/BRACKETS

Field-Installable (field-installable 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



LENSES/REFLECTORS

Field-Installable (field-installable purchased separately)

Catalog number	Description	UPC	Easy Code
KT-SLFLED-GS-S1-KIT	Glare Shield Kit Gray Used on 500W Series 1 Sports Light Flood	843654170527	CCN-71
KT-SLFLED-GS-360-S1-KIT	360° Glare Shield Kit Gray Used on 500W Series 1 Sports Light Flood	843654170084	QXI-03



Field-Installable (field-installable 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



KT-SLFLED750HV-M1-XX-YM-750-VDIM

SPORTS LIGHT FLOOD

ORDERING INFORMATION

Catalog Number	UPC	Easy Code	DLC Product ID
KT-SLFLED750HV-M1-20-YM-750-VDIM	843654155326	BVU-13	S-DBMW32
KT-SLFLED750HV-M1-30-YM-750-VDIM	843654154923	VMY-27	S-I72AMH
KT-SLFLED750HV-M1-40-YM-750-VDIM	843654155333	RXH-54	S-GTBA7E
KT-SLFLED750HV-M1-60-YM-750-VDIM	843654159898	UCK-73	S-X0KNML
KT-SLFLED750HV-M1-80-YM-750-VDIM	843654159904	YJO56	S-HWW2XV

CATALOG NUMBER BREAKDOWN

KT-SLFLED750HV-M1-XX-YM-750-VDIM

1	2	3	4	5	6	7	8	9	10	11																
<p>1 Keystone Technologies</p> <p>2 Sports Light Flood LED Fixture</p> <p>3 Max Wattage</p> <p>4 High Voltage</p> <p>5 Nominal Size</p> <p>6 Style</p> <p>7 Beam Angle</p> <p>8 Mounting Options</p> <p>9 CRI</p> <p>10 CCT</p> <p>11 0-10V Dimming</p>			<p>5 Size</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>M</td> <td>Medium</td> </tr> </table> <p>7 Beam Angle</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>20</td> <td>20°</td> </tr> <tr> <td>30</td> <td>30°</td> </tr> <tr> <td>40</td> <td>40°</td> </tr> <tr> <td>60</td> <td>60°</td> </tr> <tr> <td>80</td> <td>80°</td> </tr> </table>	M	Medium	20	20°	30	30°	40	40°	60	60°	80	80°			<p>8 Mounting Options</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>YM</td> <td>Yoke Mount</td> </tr> </table> <p>9 CRI</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>7</td> <td>>70</td> </tr> </table> <p>10 CCT</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>50</td> <td>5000K</td> </tr> </table> <p>12 Dimming</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>VDIM</td> <td>0-10V</td> </tr> </table>	YM	Yoke Mount	7	>70	50	5000K	VDIM	0-10V
M	Medium																									
20	20°																									
30	30°																									
40	40°																									
60	60°																									
80	80°																									
YM	Yoke Mount																									
7	>70																									
50	5000K																									
VDIM	0-10V																									

ORDERING EXAMPLES

FIXTURE WITH SINGLE FACTORY-INSTALLED ACCESSORY*

KT-SLFLED750HV-M1-XX-YM-750-VDIM /3PN

FIXTURE WITH NO FACTORY-INSTALLED ACCESSORIES*

KT-SLFLED750HV-M1-XX-YM-750-VDIM

KEYSTONE FIXTURE		
Catalog number		
KT-SLFLED750HV-M1-XX-YM-750-VDIM		
SENSORS/CONTROLLERS		
<input checked="" type="checkbox"/>	Suffix*	Catalog number
	/3PN	KT-TLP-UV-3PN

* When ordering more than one factory-installed accessory, use multiple suffixes as shown in the ordering examples above.
Note: All accessories can also be ordered separately for field installation using just their regular Catalog Number, UPC, or Easy Code.