



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

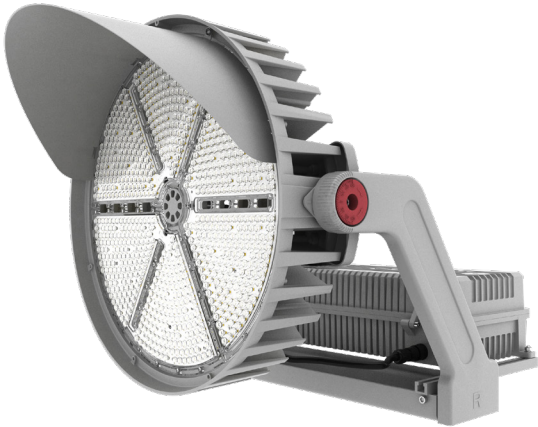
## SPORTS LIGHT FLOOD

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.)



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

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

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-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°        |     |     |                   |

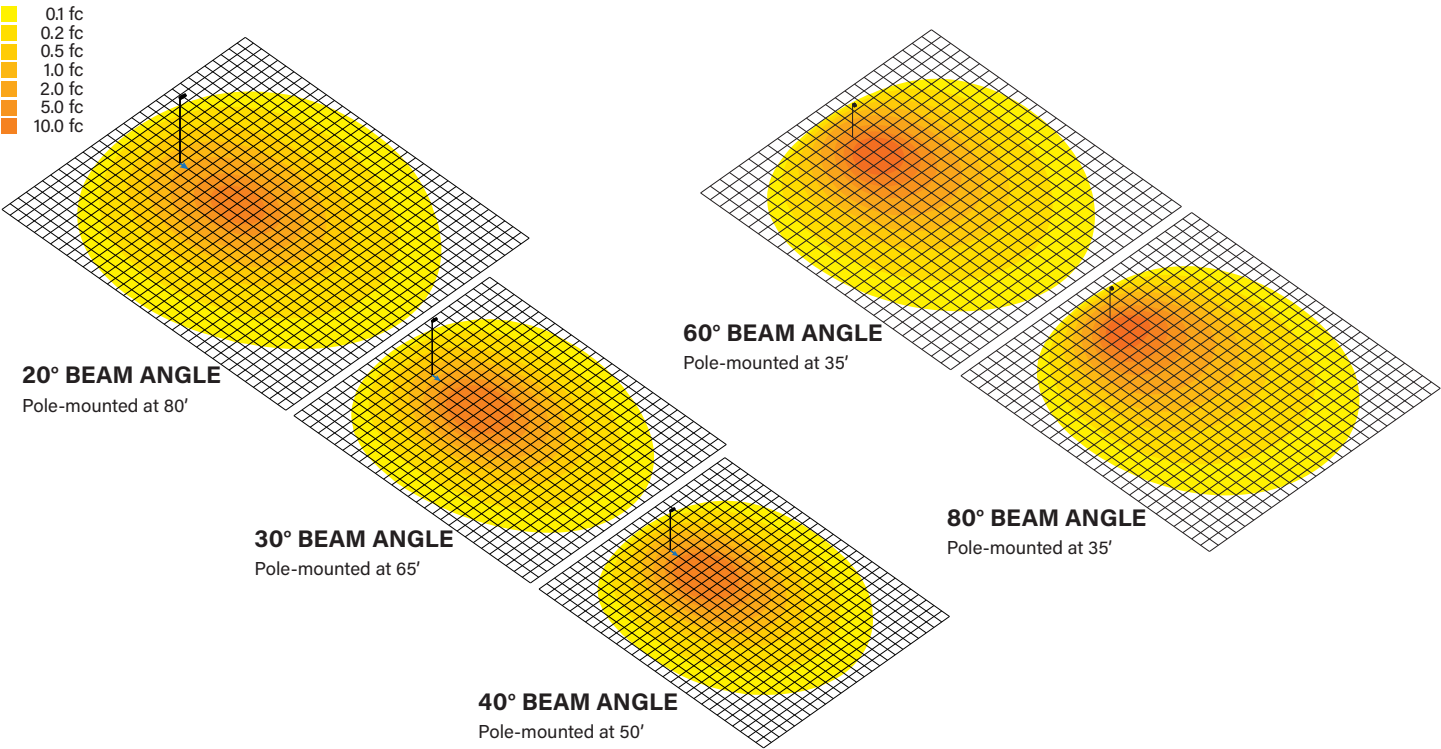
Note: Fixtures with 20°, 40°, 60°, and 80° beam angles are available and assembled to order. Lead times may apply.

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

## SPORTS LIGHT FLOOD

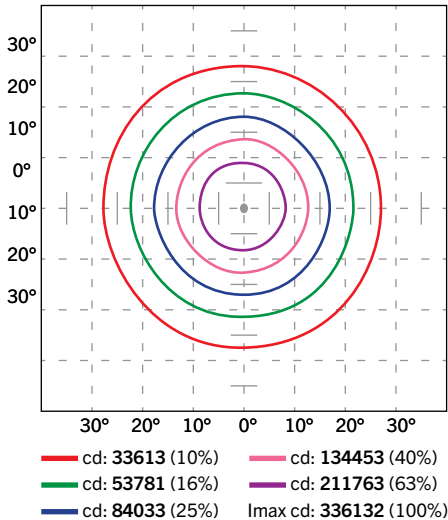
### LIGHT DISTRIBUTION PATTERN

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

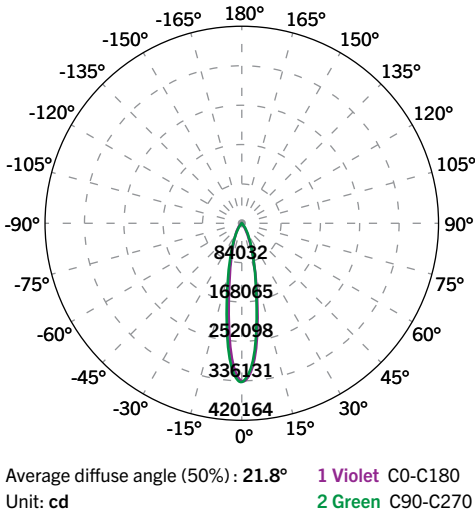


### PHOTOMETRIC SPECIFICATIONS (20° BEAM ANGLE)

#### ISOCANDELA PLOT



#### LUMINOUS INTENSITY DISTRIBUTION



#### FLUX DISTRIBUTION

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

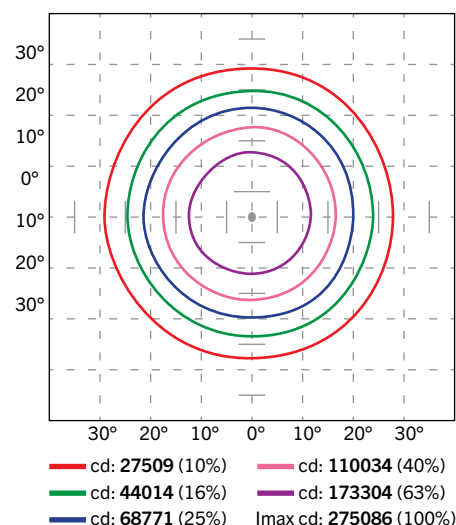
(Photometric Specifications continued on next page)

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

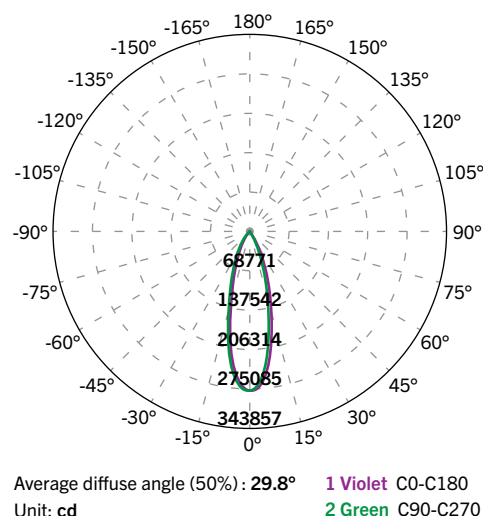
## SPORTS LIGHT FLOOD

### PHOTOMETRIC SPECIFICATIONS (30° BEAM ANGLE)

#### ISOCANDELA PLOT



#### LUMINOUS INTENSITY DISTRIBUTION

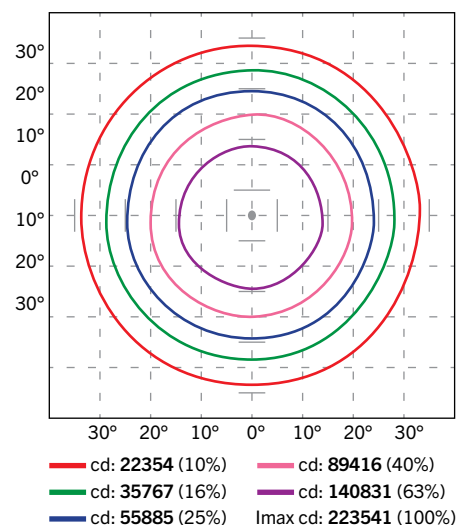


#### FLUX DISTRIBUTION

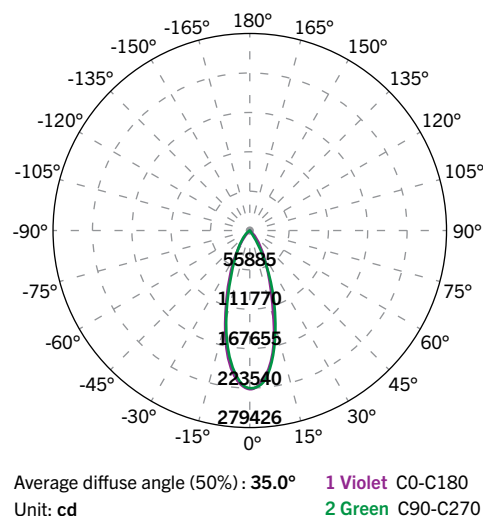
| Zone                 | Lumens        | % Luminaire  |
|----------------------|---------------|--------------|
| <b>Forward Light</b> | <b>51,813</b> | <b>48.7%</b> |
| 0°-30°               | 37,800        | 35.5%        |
| 30°-60°              | 9,614         | 9.0%         |
| 60°-80°           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

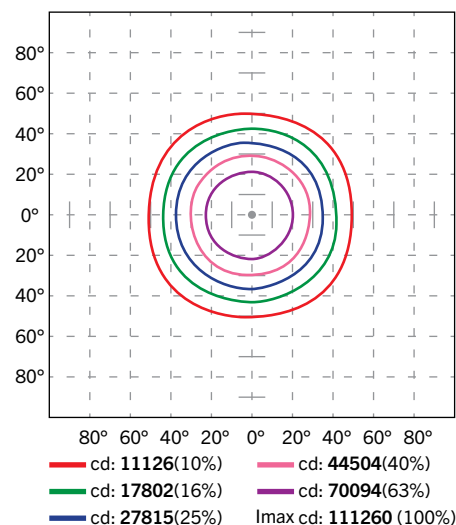
| Zone                 | Lumens        | % Luminaire  |
|----------------------|---------------|--------------|
| <b>Forward Light</b> | <b>54,679</b> | <b>49.9%</b> |
| 0°-30°               | 40,336        | 36.8%        |
| 30°-60°              | 11,843        | 10.8%        |
| 60°-80°           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

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

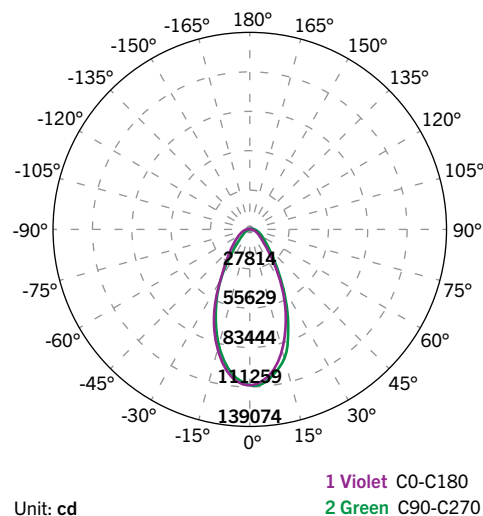
## SPORTS LIGHT FLOOD

### PHOTOMETRIC SPECIFICATIONS (60° BEAM ANGLE)

#### ISOCANDELA PLOT



#### LUMINOUS INTENSITY DISTRIBUTION

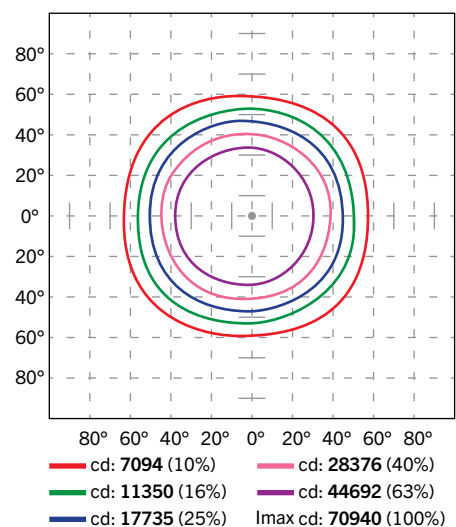


#### FLUX DISTRIBUTION

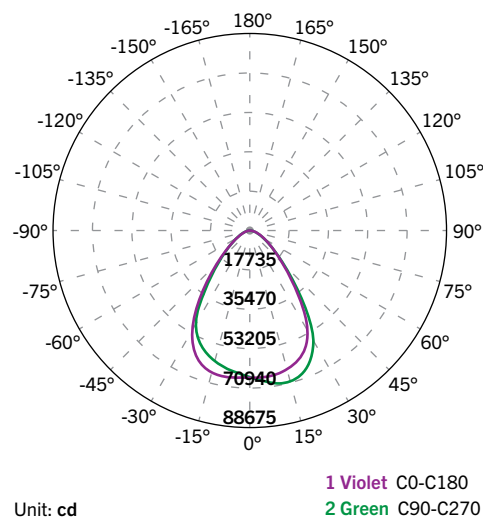
| Zone                 | Lumens        | % Luminaire  |
|----------------------|---------------|--------------|
| <b>Forward Light</b> | <b>54,721</b> | <b>50.5%</b> |
| 0°-30°               | 30,891        | 28.2%        |
| 30°-60°              | 19,503        | 18.0%        |
| 60°-80°           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



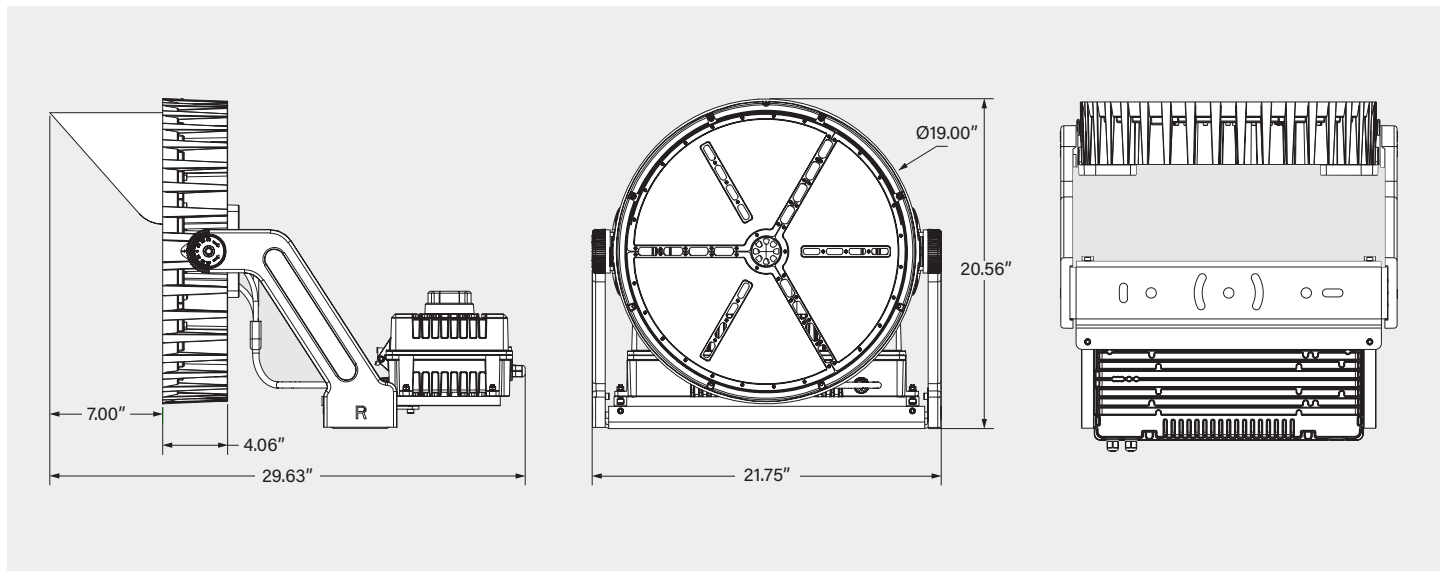
#### FLUX DISTRIBUTION

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

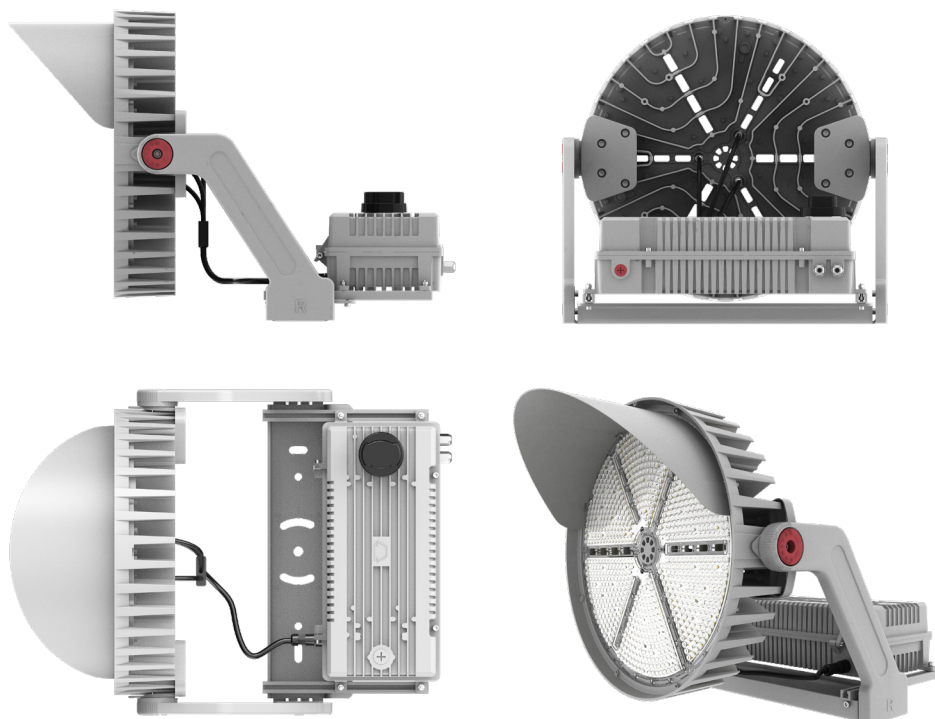
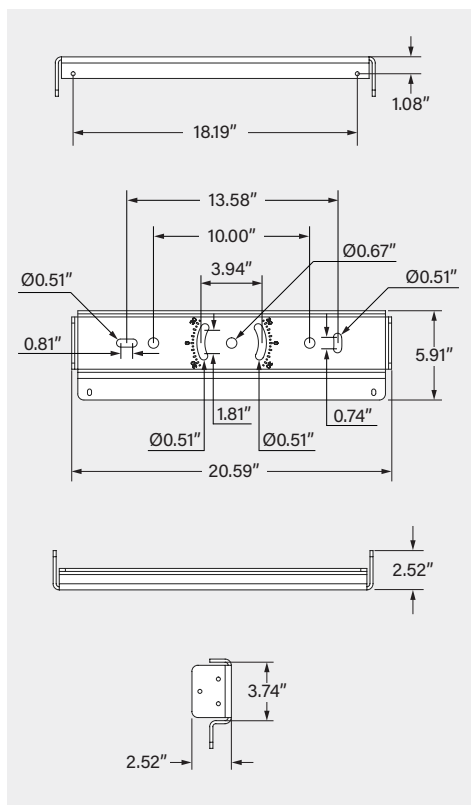
# KT-SLFLED750-M1-XX-YM-750-VDIM

## SPORTS LIGHT FLOOD

### PHYSICAL SPECIFICATIONS WITH DRIVER BOX ATTACHED



### CROSSARM

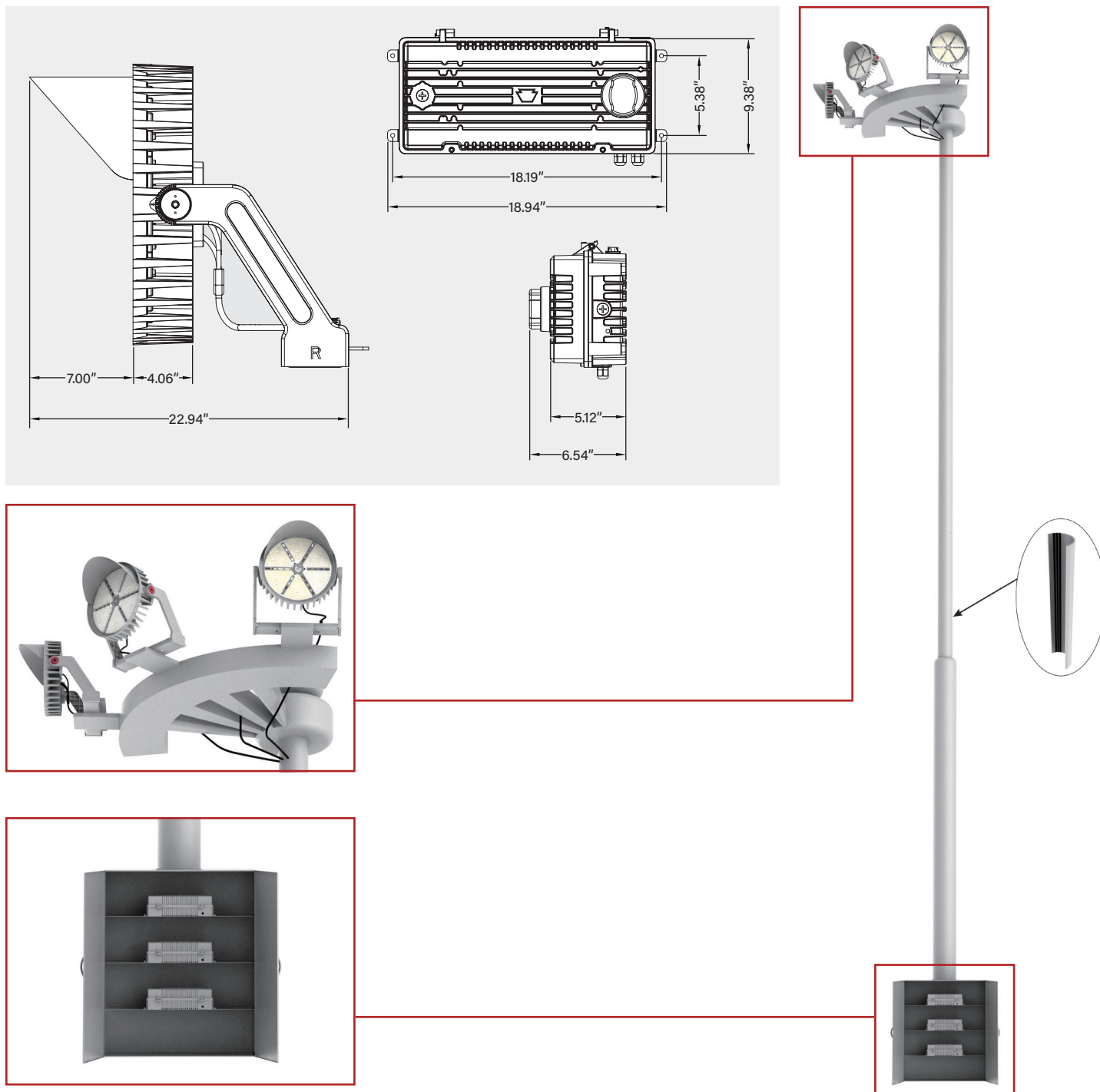


# KT-SLFLED750-M1-XX-YM-750-VDIM

## SPORTS LIGHT FLOOD

### PHYSICAL SPECIFICATIONS (continued)

#### WITH DRIVER BOX SEPARATED



Note: Maximum cord length is 50 m / 164 ft

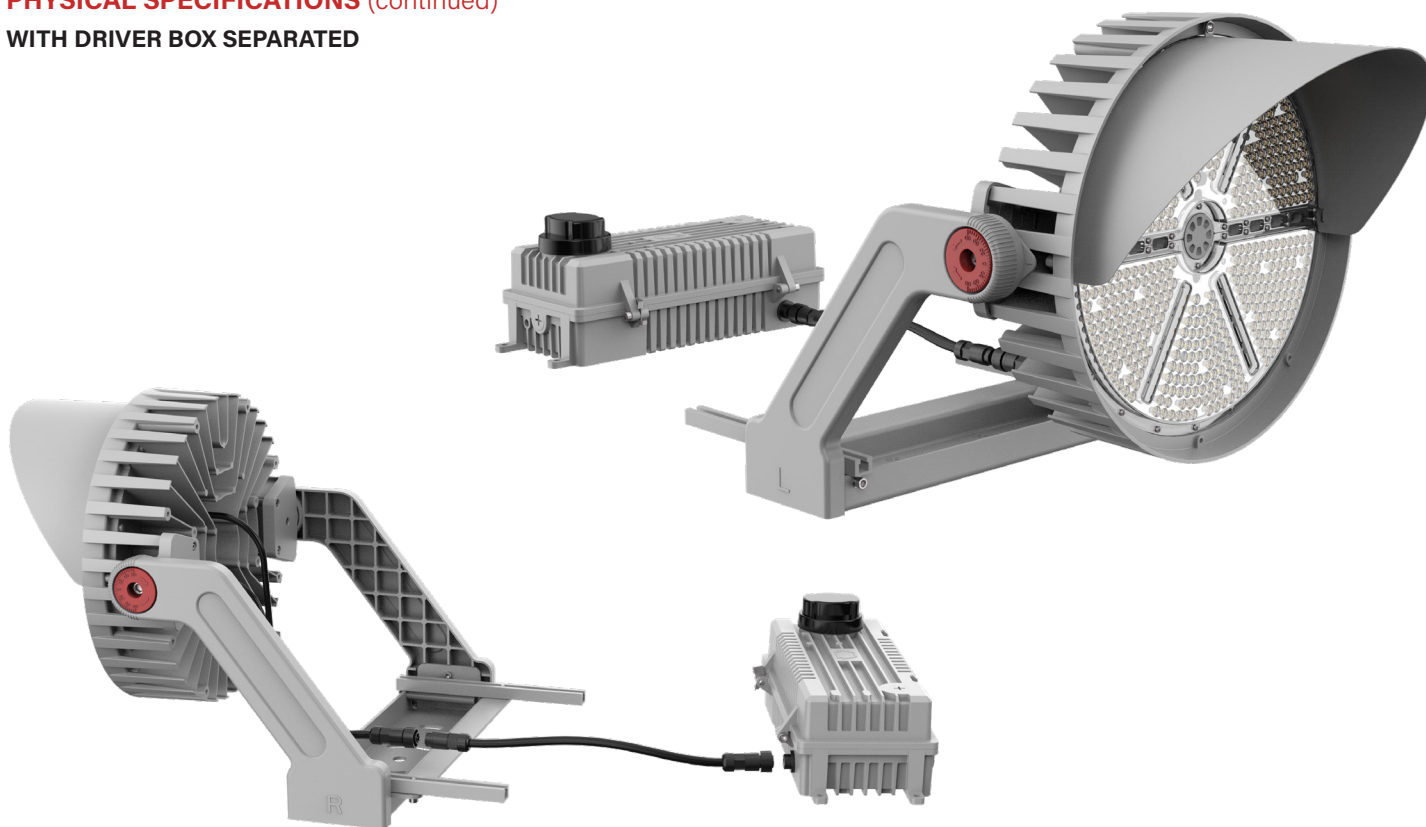
Note: Images are for reference only. Contact Keystone with questions regarding remote mounting and enclosures

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

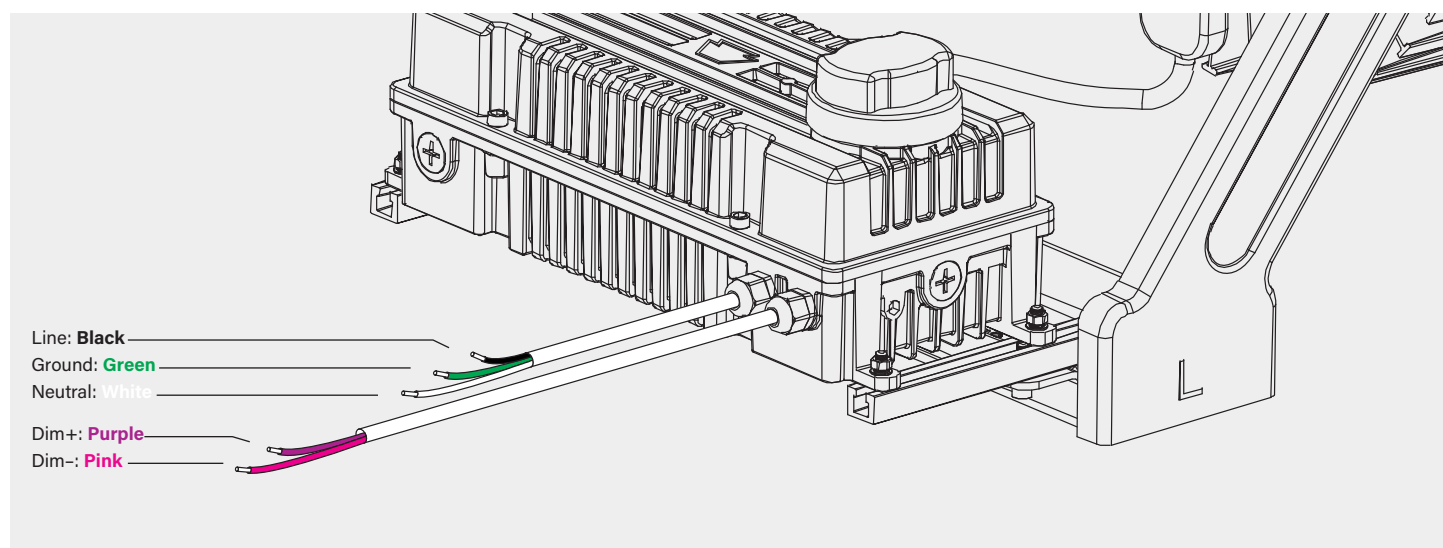
## SPORTS LIGHT FLOOD

### PHYSICAL SPECIFICATIONS (continued)

#### WITH DRIVER BOX SEPARATED



### WIRING SPECIFICATIONS



Note: Input, output, ground, and dimming lead lengths from fixture: 1m / 39.37"

# 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](mailto:productsupport@keystonetech.com)

EPA Calcs (1.2\*ft<sup>2</sup> | View)

| Mounting Application                                                                                    | Fixture Position | Housing Size | Single Fixture                                                                    | 2 Fixtures Side-by-Side                                                           | 3 Fixtures Side-by-Side                                                           |
|---------------------------------------------------------------------------------------------------------|------------------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                                                                                                         |                  |              |  |  |  |
| <b>Plate Mount</b><br> | 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 <sup>1</sup> | Synapse NEMA Type 7-Pin 0-10V Controller with Built-in Photocell, Power Monitoring, and GPS; 120-480V | TBD          | TBD       |



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

synapse



Synapse Controller  
TL7-HVG

<sup>1</sup>Synapse 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    |



35' Extension Cord  
KT-SLFLED-EC-35

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

(Accessories continued on next page)

# KT-SLFLED750-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-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

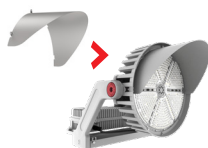


Slipfitter Mount Kit  
KT-SLFLED-SF-M1-KIT

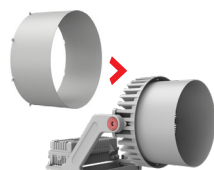
#### LENSES/REFLECTORS

**Field-Installable** (field-installable 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    |



Glare Shield Kit  
KT-SLFLED-GS-M1-KIT



360 Glare Shield Kit  
KT-SLFLED-GS-360-M1-KIT

**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    |



Green Laser Pointer  
KT-SLFLED-LASER-G

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



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

## SPORTS LIGHT FLOOD

### ORDERING INFORMATION

| Catalog Number                      | UPC          | Easy Code | DLC Product ID |
|-------------------------------------|--------------|-----------|----------------|
| KT-SLFLED750-M1-20-YM-750-VDIM      | 843654155289 | AHI-09    | S-VJ1GN8       |
| KT-SLFLED750-M1-30-YM-750-VDIM      | 843654154909 | ULT-90    | S-GHQK7X       |
| KT-SLFLED750-M1-30-YM-750-VDIM /TAA | TBD          | TBD       |                |
| KT-SLFLED750-M1-40-YM-750-VDIM      | 843654155296 | ZPD-50    | S-7SP1MZ       |
| KT-SLFLED750-M1-60-YM-750-VDIM      | 843654159850 | TPR-38    | S-ZZS33Y       |
| KT-SLFLED750-M1-80-YM-750-VDIM      | 843654159867 | WUM-62    | S-94BZKN       |

### 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 Sports Light Flood LED Fixture | 3 Max Wattage | 4 Size   | 5 Style | 6 Beam Angle        | 7 Mounting Options | 8 CRI | 9 CCT    | 10 Dimming | 11 TAA Compliant    |
|                         |                                  |               | M Medium |         | 20° 30° 40° 60° 80° | YM Yoke Mount      | 7 >70 | 50 5000K | VDIM 0-10V | /TAA Made in Mexico |

### ORDERING EXAMPLES

FIXTURE WITH SINGLE FACTORY-INSTALLED ACCESSORY\*

**KT-SLFLED750-M1-XX-YM-750-VDIM /3PN**

FIXTURE WITH NO FACTORY-INSTALLED ACCESSORIES\*

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

#### KEYSTONE FIXTURE

Catalog number

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

#### SENSORS/CONTROLLERS

| ✓ | 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.