



|                |      |
|----------------|------|
| Catalog Number |      |
| Project        | Type |



## Tapered Back Saber LED Area Light LSBT SERIES



Shown with optional Quick Mount Bracket (QMB)

### FEATURES & SPECIFICATIONS

**APPLICATION** — The high performance luminaire is designed for area lighting applications where long life, low maintenance, and consistent color rendering is required. Areas with limited accessibility due to fixture location or where heavy pedestrian or vehicle traffic makes maintenance difficult are ideal applications such as parking lots or walkways. It is also compact and versatile enough for general purpose security lighting.

**CONSTRUCTION** — The heavy duty housing is constructed of extruded aluminum. The optical assemblies are sealed in place using a silicone gasket for weather tight protection. Modular LED bricks wired in parallel for ease of maintenance. ETL listed for wet locations (IP64). Additional IP66 rating available upon request.

**FINISH** — A Super Durable Polyester powder coat finish is electrostatically applied in our state of the art paint facility. Standard colors available: Black, Bronze, US Green, White. Custom colors available upon request.

**OPTICAL SYSTEM** — Made with a state of the art UV stabilized acrylic high performance refractive optical assemblies that use high transmissivity materials to achieve precise photometric distributions. Available in Type II, III, IV, IV Automotive, V Medium and V Wide beam configurations. Star Light Friendly (meets or exceeds Dark Sky requirements) in the horizontal position.

**ELECTRICAL SYSTEM** — Available in up to a 6 brick LED system in 5000K Cool White (+/- 500K) or 4100K Neutral White color temperatures (70 CRI min.) propagated with Philips Lumileds LUXEON® T LED's or Osram equivalent. Available with 90-300V 50/60 Hz Class II power supply. LED's rated over 355,000 hours (TM21 Calculated L70) at 25°C ambient temperature with selectable 700mA, 1050mA and 1400mA operation. Lumen Maintenance >97% at 50K hrs. 347V and 480V input options available. Standard 0-10V dimming. Fixture provided with integral 10kV surge protection that meets IEEE C62.42.2-2002. Built-in Active PFC Function. LED Power Supply conforms to UL1310 Class 2 and UL8750 standards and is IP67 rated for wet locations.

**MOUNTING** — The fixture is designed to mount directly to a square pole. An adaptor is available for direct mount to round poles. Techlight's Quick Mount Bracket for flush mount or the Quick Mount Bracket with various arm lengths also available. All mounting options allow the Tapered Back Saber to mount at 90 degree intervals.

**LISTINGS** — LED Power Supply listed for wet locations (IP67). LED bricks ETL listed for wet locations (IP64). Meets US and Canadian safety standards. -40°C to 50°C ambient operation. RoHS Compliant.

**WARRANTY** — The complete luminaire is covered by a 5-year limited warranty.

### ORDERING INFORMATION

Choose the bold face options for the appropriate luminaire configuration for your application and enter on the line above each fixture attribute. Accessories may be factory installed, depending on the particular accessory chosen, but still be ordered as a separate line item.

Example: **LSBT6C8T5WD1-BZ**  
**QMB**

| Series      | # of Bricks   | Color Temp   | # LED's per Brick | Optics   | Drive Current   | Voltage  | Options  | Finish   |
|-------------|---|--|-------------------|--|---|--|--|--|
| <b>LSBT</b> | <b>1</b> 1 Brick<br>2 2 Brick<br>3 3 Brick<br>4 4 Brick<br>5 5 Brick<br>6 6 Brick | <b>C</b> Cool White (5000K)<br>N Neutral White (4100K) | <b>8</b> 18 LED   | T2 Type II<br>T3 Type III<br>T4 Type IV<br>T4A Type IV Automotive<br>T5M Type V Medium<br><b>T5W</b> Type V Wide | C 700mA Driver<br>D 1050mA Driver<br><b>F</b> 1400mA Driver | <b>1</b> Multi-Volt <sup>1</sup><br>2 480V<br>3 347V | L Left Rotated Optics<br>R Right Rotated Optics<br>(Leave Blank for standard optics) | BK Black<br><b>BZ</b> Bronze<br>GR US Green<br>WH White<br>SP Special <sup>2</sup> |

### Accessories (Order as separate line items)

|                           |  |  |
|---------------------------|--|--|
| LEDEB18-325<br><b>QMB</b> | 2000 Lumen/90 Minute Battery Back-Up<br><b>Quick Mount Bracket - Flush, No Arm</b> | TLWSFSIR-100<br>(Lenses Ordered Separately)<br>Remote Handheld Sensor Configuration Tool |
| QMSSA-S                   | Quick Mount Bracket with 2" Straight Arm   | TLWSFSP-L2   |
| QMSSA-M                   | Quick Mount Bracket with 8" Straight Arm   | TLWSFSP-L3   |
| QMSSA                     | Quick Mount Bracket with 10.75" Straight Arm                                       | TLWSFSP-L4   |
| RPASSA                    | Round Pole Mount Adaptor for Direct Mounting                                       | TLWSFSP-L7   |
| IP66 <sup>3</sup>         | Additional IP66 Fixture Rating   | PPCR/D7  |
| LEDOPTIC-W                | Spill Light Elimination  | PTLJP-275  |
| LEDOPTIC-B                | Spill Light Elimination "Black Out"  | PC2  |
| TLWSFSP-211               | Fixture Mount Passive Infrared Motion Sensor                                       | PC6  |

#### NOTES

- Multi-Volt is an auto ranging power supply from 90V to 300V input.
- Custom RAL color matching is available. Contact your Techlight sales representative for additional information.
- Additional IP66 rating may not be changed once production has begun on the fixtures.

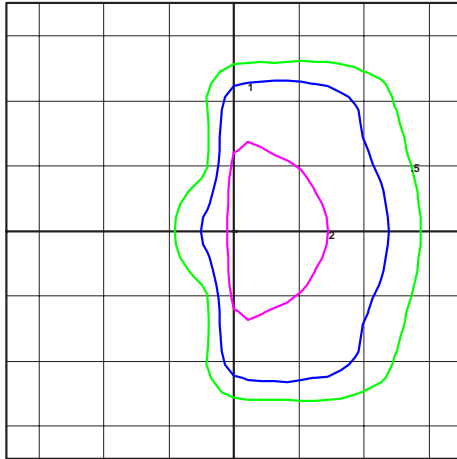
# LSBT Tapered Back Saber LED Area Light

## PHOTOMETRICS

IES INDOOR REPORT  
PHOTOMETRIC FILE  
NAME: LSBT6C8T3D1

Type III Optical Assembly  
6 Brick, 1050mA, Cool  
White

365W LSBT LED Area Light  
Color Temperature: 5,000 K



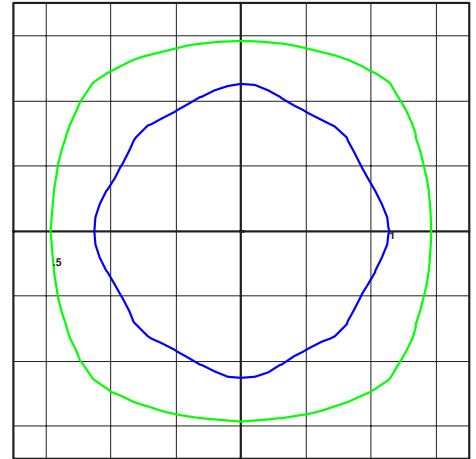
TECHLIGHT  
LSBR6C8T3D  
LED COOL WHITE LUXEON T (1050mA)

Horizontal Footcandles  
Scale: 1 inch = 30 Ft.  
Light Loss Factor = 1.00  
Lumens Per Lamp = N.A. (absolute photometry)  
Luminaire Lumens = 25992  
Mounting Height = 30.00 Ft  
Maximum Calculated Value = 3.48 Fc  
Arrangement: Single

IES INDOOR REPORT  
PHOTOMETRIC  
FILE NAME:  
LSBT6C8T5WD1

**Type V Wide Optical**  
Assembly  
6 Brick, 1050mA, Cool  
White

365W LSBT LED Area Light  
Color Temperature: 5,000 K

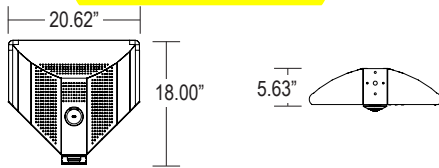


TECHLIGHT  
LSBR6C8T5WD  
LED COOL WHITE LUXEON T (1050mA)

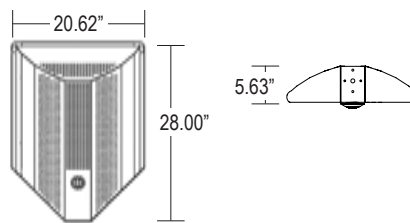
Horizontal Footcandles  
Scale: 1 inch = 30 Ft.  
Light Loss Factor = 1.00  
Lumens Per Lamp = N.A. (absolute photometry)  
Luminaire Lumens = 32074  
Mounting Height = 30.00 Ft  
Maximum Calculated Value = 1.99 Fc  
Arrangement: Single

## ADDITIONAL FIXTURE DIMENSIONS

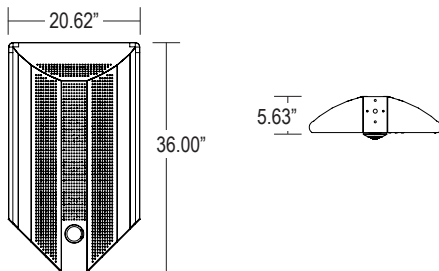
Dimensions for 1 & 2 Brick Unit



Dimensions for 3 & 4 Brick Unit



Dimensions for 5 & 6 Brick Unit



# LSBT Tapered Back Saber LED Area Light

## LUMINAIRE CHARACTERISTICS

### Cool White (5000K) 700 mA Drive Current

| # of LED Bricks | # of LEDs per Brick | Color Temp | Delivered Lumens |          |         |         |         |         | System Wattage | L70 @ 25°C | Amperage Draw |        |        |        |        |        |
|-----------------|---------------------|------------|------------------|----------|---------|---------|---------|---------|----------------|------------|---------------|--------|--------|--------|--------|--------|
|                 |                     |            | TYPE II          | TYPE III | TYPE IV | TYPE 4A | TYPE 5M | TYPE 5W |                |            | 120V          | 208V   | 240V   | 277V   | 347V   | 480V   |
| 1 BRICK         | 18                  | CW         | 4056             | 3993     | 4041    | 3992    | 4014    | 4065    | 41             | >495K      | 0.35 A        | 0.21 A | 0.18 A | 0.16 A | 0.13 A | 0.09 A |
| 2 BRICK         | 18                  | CW         | 8111             | 7987     | 8081    | 7983    | 8027    | 8130    | 81             | >495K      | 0.70 A        | 0.41 A | 0.35 A | 0.31 A | 0.25 A | 0.18 A |
| 3 BRICK         | 18                  | CW         | 12167            | 11980    | 12122   | 11975   | 12041   | 12195   | 122            | >495K      | 1.05 A        | 0.61 A | 0.53 A | 0.46 A | 0.37 A | 0.27 A |
| 4 BRICK         | 18                  | CW         | 16222            | 15974    | 16162   | 15967   | 16054   | 16260   | 162            | >495K      | 1.40 A        | 0.81 A | 0.70 A | 0.61 A | 0.49 A | 0.35 A |
| 5 BRICK         | 18                  | CW         | 20278            | 19967    | 20203   | 19959   | 20068   | 20325   | 203            | >495K      | 1.75 A        | 1.01 A | 0.88 A | 0.76 A | 0.61 A | 0.44 A |
| 6 BRICK         | 18                  | CW         | 24334            | 23961    | 24243   | 23950   | 24081   | 24390   | 243            | >495K      | 2.10 A        | 1.22 A | 1.05 A | 0.91 A | 0.73 A | 0.53 A |

### Cool White (5000K) 1050 mA Drive Current

| # of LED Bricks | # of LEDs per Brick | Color Temp | Delivered Lumens |          |         |         |         |         | System Wattage | L70 @ 25°C | Amperage Draw |        |        |        |        |        |
|-----------------|---------------------|------------|------------------|----------|---------|---------|---------|---------|----------------|------------|---------------|--------|--------|--------|--------|--------|
|                 |                     |            | TYPE II          | TYPE III | TYPE IV | TYPE 4A | TYPE 5M | TYPE 5W |                |            | 120V          | 208V   | 240V   | 277V   | 347V   | 480V   |
| 1 BRICK         | 18                  | CW         | 5505             | 5421     | 5484    | 5505    | 5448    | 5518    | 61             | >425K      | 0.53 A        | 0.31 A | 0.27 A | 0.23 A | 0.19 A | 0.14 A |
| 2 BRICK         | 18                  | CW         | 11010            | 10841    | 10969   | 11010   | 10896   | 11035   | 122            | >425K      | 1.05 A        | 0.61 A | 0.53 A | 0.46 A | 0.37 A | 0.27 A |
| 3 BRICK         | 18                  | CW         | 16514            | 16262    | 16453   | 16515   | 16343   | 16553   | 183            | >425K      | 1.58 A        | 0.91 A | 0.79 A | 0.69 A | 0.55 A | 0.40 A |
| 4 BRICK         | 18                  | CW         | 22019            | 21682    | 21938   | 22020   | 21791   | 22070   | 244            | >425K      | 2.10 A        | 1.22 A | 1.05 A | 0.91 A | 0.73 A | 0.53 A |
| 5 BRICK         | 18                  | CW         | 27524            | 27103    | 27422   | 27525   | 27239   | 27588   | 304            | >425K      | 2.63 A        | 1.52 A | 1.32 A | 1.14 A | 0.91 A | 0.66 A |
| 6 BRICK         | 18                  | CW         | 33029            | 32523    | 32906   | 33030   | 32687   | 33106   | 365            | >425K      | 3.15 A        | 1.82 A | 1.58 A | 1.37 A | 1.09 A | 0.79 A |

### Cool White (5000K) 1400 mA Drive Current

| # of LED Bricks | # of LEDs per Brick | Color Temp | Delivered Lumens |          |         |         |         |         | System Wattage | L70 @ 25°C | Amperage Draw |        |        |        |        |        |
|-----------------|---------------------|------------|------------------|----------|---------|---------|---------|---------|----------------|------------|---------------|--------|--------|--------|--------|--------|
|                 |                     |            | TYPE II          | TYPE III | TYPE IV | TYPE 4A | TYPE 5M | TYPE 5W |                |            | 120V          | 208V   | 240V   | 277V   | 347V   | 480V   |
| 1 BRICK         | 18                  | CW         | 7932             | 7813     | 7908    | 7946    | 7859    | 7948    | 86             | >355K      | 0.72 A        | 0.42 A | 0.36 A | 0.32 A | 0.25 A | 0.18 A |
| 2 BRICK         | 18                  | CW         | 15864            | 15626    | 15816   | 15892   | 15718   | 15896   | 172            | >355K      | 1.44 A        | 0.83 A | 0.72 A | 0.63 A | 0.50 A | 0.36 A |
| 3 BRICK         | 18                  | CW         | 23796            | 23439    | 23724   | 23838   | 23577   | 23844   | 258            | >355K      | 2.15 A        | 1.25 A | 1.08 A | 0.94 A | 0.75 A | 0.54 A |
| 4 BRICK         | 18                  | CW         | 31728            | 31252    | 31632   | 31784   | 31436   | 31792   | 344            | >355K      | 2.87 A        | 1.66 A | 1.44 A | 1.25 A | 1.00 A | 0.72 A |
| 5 BRICK         | 18                  | CW         | 39660            | 39065    | 39540   | 39730   | 39295   | 39740   | 430            | >355K      | 3.59 A        | 2.07 A | 1.80 A | 1.56 A | 1.24 A | 0.90 A |
| 6 BRICK         | 18                  | CW         | 47592            | 46878    | 47448   | 47676   | 47154   | 47688   | 516            | >355K      | 4.30 A        | 2.49 A | 2.15 A | 1.87 A | 1.49 A | 1.08 A |

**WARNING:** Maintenance performed including the replacement of LED bricks while power is still supplied to the luminaire may result in system failures and will void the warranty.

# LSBT Saber LED Area Light

## LUMINAIRE CHARACTERISTICS CONTINUED

### Neutral White (4100K) 700 mA Drive Current

| # of LED Bricks | # of LEDs per Brick | Color Temp | Delivered Lumens |          |         |         |         |         | System Wattage | L70 @ 25°C | Amperage Draw |        |        |       |       |       |
|-----------------|---------------------|------------|------------------|----------|---------|---------|---------|---------|----------------|------------|---------------|--------|--------|-------|-------|-------|
|                 |                     |            | TYPE II          | TYPE III | TYPE IV | TYPE 4A | TYPE 5M | TYPE 5W |                |            | 120V          | 208V   | 240V   | 277V  | 347V  | 480V  |
| 1 BRICK         | 18                  | NW         | 3969             | 3908     | 3954    | 3906    | 3928    | 3978    | 41             | >495K      | .35 A         | .20 A  | .18 A  | .15 A | .12 A | .09 A |
| 2 BRICK         | 18                  | NW         | 7938             | 7816     | 7908    | 7813    | 7855    | 7956    | 81             | >495K      | .68 A         | .39 A  | .34 A  | .30 A | .24 A | .17 A |
| 3 BRICK         | 18                  | NW         | 11906            | 11724    | 11862   | 11719   | 11783   | 11934   | 122            | >495K      | 1.02 A        | .59 A  | .51 A  | .45 A | .36 A | .26 A |
| 4 BRICK         | 18                  | NW         | 15875            | 15632    | 15816   | 15625   | 15711   | 15912   | 162            | >495K      | 1.35 A        | .78 A  | .68 A  | .59 A | .47 A | .34 A |
| 5 BRICK         | 18                  | NW         | 19844            | 19540    | 19770   | 19531   | 19638   | 19890   | 203            | >495K      | 1.70 A        | .98 A  | .85 A  | .74 A | .59 A | .43 A |
| 6 BRICK         | 18                  | NW         | 23813            | 23448    | 23724   | 23438   | 23566   | 23868   | 243            | >495K      | 2.03 A        | 1.17 A | 1.02 A | .88 A | .71 A | .51 A |

### Neutral White (4100K) 1050 mA Drive Current

| # of LED Bricks | # of LEDs per Brick | Color Temp | Delivered Lumens |          |         |         |         |         | System Wattage | L70 @ 25°C | Amperage Draw |        |        |        |        |       |
|-----------------|---------------------|------------|------------------|----------|---------|---------|---------|---------|----------------|------------|---------------|--------|--------|--------|--------|-------|
|                 |                     |            | TYPE II          | TYPE III | TYPE IV | TYPE 4A | TYPE 5M | TYPE 5W |                |            | 120V          | 208V   | 240V   | 277V   | 347V   | 480V  |
| 1 BRICK         | 18                  | NW         | 5387             | 5305     | 5367    | 5302    | 5331    | 5400    | 61             | >425K      | .51 A         | .30 A  | .26 A  | .23 A  | .18 A  | .13 A |
| 2 BRICK         | 18                  | NW         | 10774            | 10609    | 10734   | 10604   | 10662   | 10799   | 122            | >425K      | 1.02 A        | .59 A  | .51 A  | .45 A  | .36 A  | .26 A |
| 3 BRICK         | 18                  | NW         | 16161            | 15914    | 16101   | 15907   | 15994   | 16199   | 183            | >425K      | 1.53 A        | .88 A  | .77 A  | .67 A  | .53 A  | .39 A |
| 4 BRICK         | 18                  | NW         | 21548            | 21218    | 21468   | 21209   | 21325   | 21598   | 244            | >425K      | 2.04 A        | 1.18 A | 1.02 A | .89 A  | .71 A  | .51 A |
| 5 BRICK         | 18                  | NW         | 26935            | 26523    | 26835   | 26511   | 26656   | 26998   | 304            | >425K      | 2.54 A        | 1.47 A | 1.27 A | 1.10 A | .88 A  | .64 A |
| 6 BRICK         | 18                  | NW         | 32322            | 31827    | 32202   | 31813   | 31987   | 32397   | 365            | >425K      | 3.05 A        | 1.76 A | 1.53 A | 1.32 A | 1.06 A | .77 A |

### Neutral White (4100K) 1400 mA Drive Current

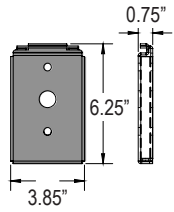
| # of LED Bricks | # of LEDs per Brick | Color Temp | Delivered Lumens |          |         |         |         |         | System Wattage | L70 @ 25°C | Amperage Draw |        |        |        |        |        |
|-----------------|---------------------|------------|------------------|----------|---------|---------|---------|---------|----------------|------------|---------------|--------|--------|--------|--------|--------|
|                 |                     |            | TYPE II          | TYPE III | TYPE IV | TYPE 4A | TYPE 5M | TYPE 5W |                |            | 120V          | 208V   | 240V   | 277V   | 347V   | 480V   |
| 1 BRICK         | 18                  | NW         | 6463             | 6362     | 6439    | 6370    | 6399    | 6473    | 87             | >355K      | .73 A         | .42 A  | .37 A  | .32 A  | .26 A  | .19 A  |
| 2 BRICK         | 18                  | NW         | 12926            | 12725    | 12879   | 12739   | 12798   | 12945   | 174            | >355K      | 1.45 A        | .84 A  | .73 A  | .63 A  | .51 A  | .37 A  |
| 3 BRICK         | 18                  | NW         | 19391            | 19087    | 19317   | 19110   | 19201   | 19421   | 261            | >355K      | 2.18 A        | 1.26 A | 1.09 A | .95 A  | .76 A  | .55 A  |
| 4 BRICK         | 18                  | NW         | 25852            | 25450    | 25759   | 25478   | 25596   | 25889   | 348            | >355K      | 2.90 A        | 1.68 A | 1.45 A | 1.26 A | 1.01 A | .73 A  |
| 5 BRICK         | 18                  | NW         | 32315            | 31817    | 32193   | 31844   | 31996   | 32362   | 435            | >355K      | 3.63 A        | 2.10 A | 1.82 A | 1.58 A | 1.26 A | .91 A  |
| 6 BRICK         | 18                  | NW         | 38782            | 38174    | 38636   | 38220   | 38401   | 38862   | 522            | >355K      | 4.35 A        | 2.51 A | 2.18 A | 1.89 A | 1.51 A | 1.09 A |

# LSBT Saber LED Area Light

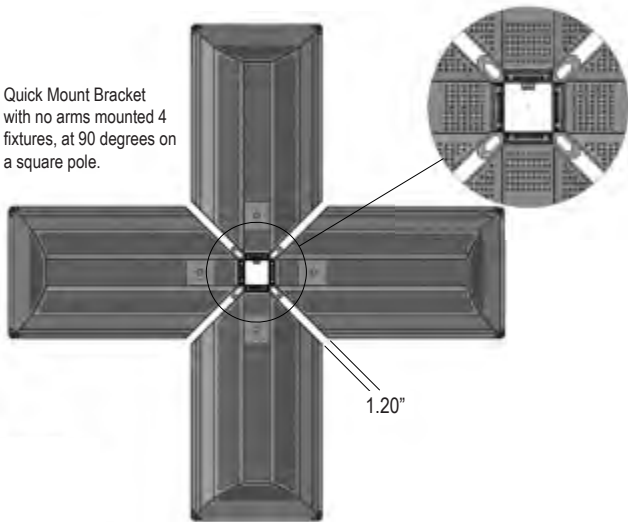
## MOUNTING ACCESSORIES

QMB

Quick Mount Bracket - Flush, No Arm



Quick Mount Bracket with no arms mounted 4 fixtures, at 90 degrees on a square pole.



QMSSA-S

Quick Mount Bracket with 2" Straight Arm

QMSSA-M

Quick Mount Bracket with 8" Straight Arm

QMSSA

Quick Mount Bracket with 10.75" Straight Arm



RPASSA

Round Pole Mount Adaptor for Direct Mounting

