

## DESCRIPTION

The Streetworks Talon is the most versatile, functionally designed, universally adaptable outdoor luminaire available. The Talon brings outstanding performance to walkways, parking lots, roadways, loading docks, building areas, and any security lighting application. U.L. listed and CSA certified for wet locations. IP65 Rated.

| Catalog #   |  | Type |
|-------------|--|------|
| Project     |  |      |
| Comments    |  | Date |
| Prepared by |  |      |

## SPECIFICATION FEATURES

### Construction

One-piece heavy-wall, die-cast aluminum construction with integral reveal channels along top surface of housing. Internal cast-in wall separates optical and electrical chambers allowing components to operate cooler. One-piece die-cast aluminum door frame with integral cast-in gasket channel seals optical chamber to an IP65 rating. Stainless steel latches and hinges allow for toolless opening and removal of door frame.

### Reflector

Choice of 14 high efficiency optical systems utilizing horizontal and vertical lamp orientations. Optional high efficiency segmented optical systems constructed of premium 95% reflective anodized aluminum sheet. Optical segments are rigidly mounted inside a thick gauge aluminum housing for superior protection. All segment faces are clean of rivet heads, tabs or other means of attachment which may cause streaking in the light distribution.

Standard with mogul-base socket. All optical modules feature quick disconnect wiring plugs and are field rotatable in 90° increments.

### Electrical

Electrical componentry mounted on a swing-down galvanized steel power tray with integral handle. Electrical disconnects allow tray to be completely removed from the housing providing ample hand and tool room for attachment of fixture during installation.

### Mounting

Extruded 10 1/2" aluminum arm includes internal bolt guides allowing for easy positioning of fixture during installation to pole or wall surface. Standard single carton packaging of housing, square pole arm and round pole adapter for contractor friendly arrival of product on site.

### Finish

Housing and arm finished in a 5 stage premium TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum, and graphite metallic.

| LAMP TYPE                | WATTAGE                                  |
|--------------------------|--|
| Metal Halide             | 250, 400, 1000W                          |
| Pulse Start Metal Halide | 250, 320, 350, 400, 450, 750, 875, 1000W |
| Super Metal Halide       | 250, 400, 750, 1000W                     |
| High Pressure Sodium     | 250, 400, 1000W                          |



## TLU TALON LARGE

**250-1000W**

High Pressure Sodium  
Pulse Start Metal Halide  
Super Metal Halide  
Metal Halide

AREA LUMINAIRE



## ENERGY DATA

**CWI Ballast Input Watts**  
250W HPS HPF (300 Watts)

**CWA Ballast Input Watts**  
250W MH HPF (295 Watts)  
320W MP HPF (365 Watts)  
350W MP HPF (400 Watts)  
400W MP HPF (448 Watts)  
400W MH HPF (455 Watts)  
400W HPS HPF (465 Watts)  
750W MP HPF (820 Watts)  
875W MP HPF (940 Watts)  
1000W HPS HPF (1100 Watts)  
1000W MH HPF (1080 Watts)

## EPA

Effective Projected Area: (Sq. Ft.)  
Without Arm: 1.83  
10 1/2" Arm: 0.68

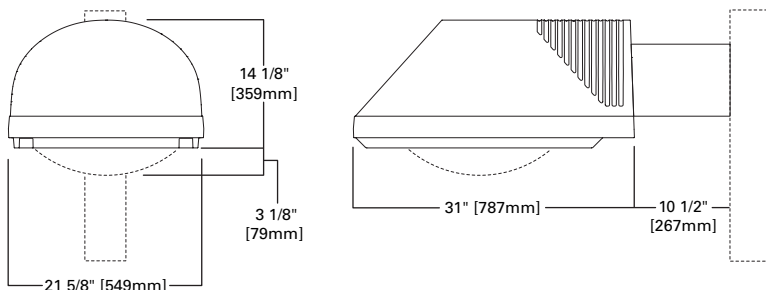
## SHIPPING DATA

Approximate Net Weight:  
400W 91 lbs. (41.36 kgs.)  
1000W 98 lbs. (44.54 kgs.)



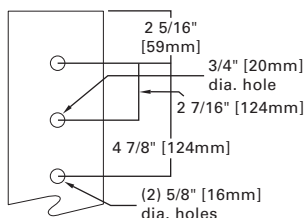
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## DIMENSIONS

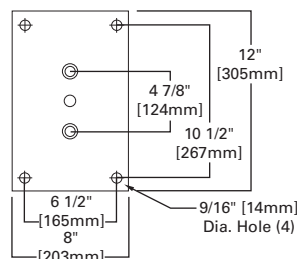


## DRILLING PATTERNS

### TYPE "M"



### WALL MOUNT

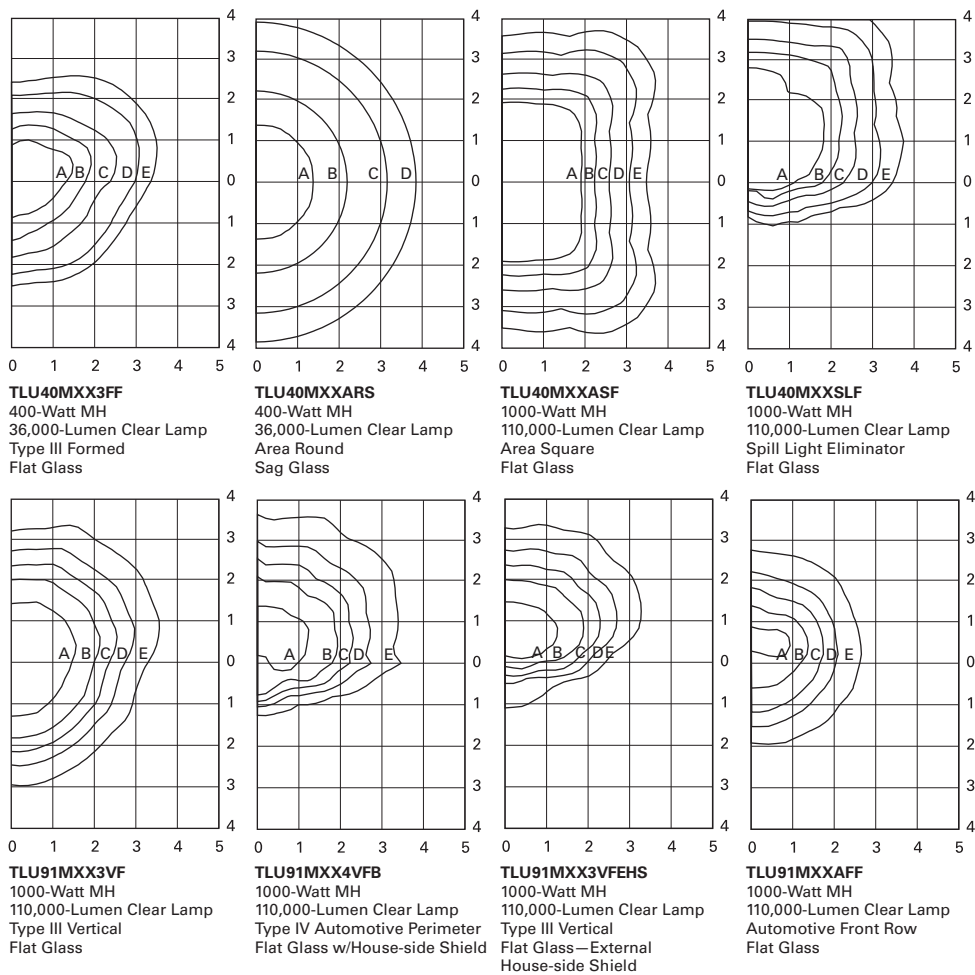


## ORDERING INFORMATION

SAMPLE NUMBER: TL91SWW3VFG

|   |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|
| <b>TLU</b>  |  |  |  |  |  |  |  |  |  |
| <b>Product Family</b> <sup>1</sup><br><b>TLU</b> =Talon Site Large  |  |  |  |  |  |  |  |  |  |
| <b>Lamp Wattage</b><br><b>25</b> =250W<br><b>32</b> =320W <sup>2</sup><br><b>35</b> =350W <sup>2</sup><br><b>40</b> =400W<br><b>75</b> =750W<br><b>87</b> =875W <sup>2</sup><br><b>91</b> =1000W <sup>3</sup> |  |  |  |  |  |  |  |  |  |
| <b>Lamp Type</b><br><b>S</b> =High Pressure Sodium<br><b>R</b> =Super Metal Halide<br><b>M</b> =Metal Halide<br><b>P</b> =Pulse Start Metal Halide  |  |  |  |  |  |  |  |  |  |
| <b>Ballast Type</b><br><b>C</b> =CWI<br><b>H</b> =Reac./HPF<br><b>K</b> =10KV CWA<br><b>M</b> =Mag. Reg.<br><b>N</b> =Hi. Reac./NPF<br><b>P</b> =Hi. Reac./HPF<br><b>R</b> =Reac./NPF<br><b>W</b> =CWA        |  |  |  |  |  |  |  |  |  |
|   |  | <b>Voltage</b><br><b>2</b> =120V<br><b>0</b> =208V<br><b>4</b> =240V<br><b>7</b> =277V<br><b>8</b> =480V<br><b>9</b> =347V<br><b>N</b> =Multi-Tap wired 277V<br><b>W</b> =Multi-Tap wired 120V<br><b>V</b> =Multi-Tap wired 240V   |  |  |  |  |  |  |  |
|   |  |  | <b>Lens Type</b><br><b>F</b> =Flat Glass<br><b>S</b> =Sag Glass  |  |  |  |  |  |  |
|   |  |  | <b>Colors</b> (add as suffix/<br>must specify)<br><b>WH</b> =White<br><b>BK</b> =Black<br><b>AP</b> =Grey<br><b>BZ</b> =Bronze<br><b>DP</b> =Dark Platinum<br><b>GM</b> =Graphite Metallic |  |  |  |  |  |  |
|   |  |  |  | <b>Options</b> (add as suffix/must be<br>ordered in alphanumeric order)<br><b>1</b> =Single Fuse<br>[120, 277 or 347V] <sup>5</sup><br><b>2</b> =Double Fuse<br>[208, 240 or 480V] <sup>5</sup><br><b>3</b> =Three Place Terminal Block<br><b>4</b> =NEMA Twistlock<br>Photocontrol Receptacle<br><b>B</b> =Internal House-side Shield <sup>6</sup><br><b>DM</b> =Direct Mount for Pole<br><b>E</b> =Quartz Restrike w/Delay<br>[Also Strikes at Cold Start] <sup>7</sup><br><b>H</b> =Plug-in Starter Receptacle <sup>8</sup><br><b>HL</b> =Hi/Low Dimming <sup>9</sup><br><b>L</b> =Lamp Included<br><b>Q</b> =Quartz Restrike<br>[Hot Restrike Only] <sup>7</sup><br><b>U</b> =U.L. Listed<br><b>WM</b> =Wall Bracket with<br>10 1/2" Arm |  |  |  |  |  |
|   |  |  |  |  |  |  |  | <b>Accessories</b><br>(order separately/replace XX with color designation)<br><b>OA/RA1016</b> =NEMA Photocontrol (105-285V)<br><b>OA/RA1027</b> =NEMA Photocontrol (480V)<br><b>OA/RA1201</b> =NEMA Photocontrol (347V)<br><b>OA/RA1013</b> =Shorting Cap<br><b>MA1010-XX</b> =Single Tenon Adapter for 3 1/2" O.D. Tenon<br><b>MA1011-XX</b> =2 @ 180° Tenon Adapter for 3 1/2" O.D. Tenon<br><b>MA1012-XX</b> =3 @ 120° Tenon Adapter for 3 1/2" O.D. Tenon<br><b>MA1013-XX</b> =4 @ 90° Tenon Adapter for 3 1/2" O.D. Tenon<br><b>MA1014-XX</b> =2 @ 90° Tenon Adapter for 3 1/2" O.D. Tenon<br><b>MA1015-XX</b> =2 @ 120° Tenon Adapter for 3 1/2" O.D. Tenon<br><b>MA1016-XX</b> =3 @ 90° Tenon Adapter for 3 1/2" O.D. Tenon<br><b>MA1017-XX</b> =Single Tenon Adapter for 2 3/8" O.D. Tenon<br><b>MA1018-XX</b> =2 @ 180° Tenon Adapter for 2 3/8" O.D. Tenon<br><b>MA1019-XX</b> =3 @ 120° Tenon Adapter for 2 3/8" O.D. Tenon<br><b>MA1045-XX</b> =4 @ 90° Tenon Adapter for 2 3/8" O.D. Tenon<br><b>MA1048-XX</b> =2 @ 90° Tenon Adapter for 2 3/8" O.D. Tenon<br><b>MA1049-XX</b> =3 @ 90° Tenon Adapter for 2 3/8" O.D. Tenon<br><b>MA1213-XX</b> =External House-side Shield Kit [EPA=0.38] <sup>6</sup> |  |
|   |  | <b>Distribution</b><br><b>Horizontal Lamp</b><br><b>2F</b> =Type II Formed<br><b>2S</b> =Type II Segmented <sup>4</sup><br><b>3F</b> =Type III Formed<br><b>3S</b> =Type III Segmented <sup>4</sup><br><b>4F</b> =Type IV Formed<br><b>4S</b> =Type IV Segmented <sup>4</sup><br><b>5F</b> =Type V Formed<br><b>5S</b> =Type V Segmented <sup>4</sup><br><b>SL</b> =Spill Light Eliminator <sup>3</sup><br><b>Vertical Lamp</b><br><b>3V</b> =Type III Vertical<br><b>4V</b> =Type IV Vertical<br><b>AR</b> =Area Round<br><b>AS</b> =Area Square<br><b>AF</b> =Automotive Front Row |  |  |  |  |  |  |  |

**NOTES:** **1** 10 1/2" arm and round pole adapter included with fixture. **2** 320/350/875W Pulse Start Metal Halide lamp only. **3** Requires reduced envelope lamp. **4** Maximum wattage on segmented optical distributions is 400W. 400W Metal Halide lamp must use reduced envelope ED-28 lamp. **5** Must Specify Voltage. **6** House-side shield not available on 5S, 5F, AS, AR and SL optics. **7** Quartz options not available with SL and AF optics. **8** Not available in 1000W. **9** Requires vertical lamp orientation. Provides 24V low voltage leads used in dimming control. **10** Specifications and dimensions subject to change without notice.



**Footcandle Table**

Select mounting height and read across for footcandle values of each isofootcandle line. Distance in units of mounting height.

| Mounting Height                | Footcandle Values for Isofootcandle Lines |      |      |      |      |
|--------------------------------|---|------|------|------|------|
|                                | A   | B    | C    | D    | E    |
| <b>400W [3F]/1000W [AS/SL]</b> |   |      |      |      |      |
| 25'                            | 2.88                                      | 1.44 | 0.72 | 0.29 | 0.14 |
| 30'                            | 2.00                                      | 1.00 | 0.50 | 0.20 | 0.10 |
| 35'                            | 1.46                                      | 0.73 | 0.37 | 0.15 | 0.07 |
| <b>400W [AR]</b>               |   |      |      |      |      |
| 25'                            | 1.44                                      | 0.72 | 0.29 | 0.14 | --   |
| 30'                            | 1.00                                      | 0.50 | 0.20 | 0.10 | --   |
| 35'                            | 0.73                                      | 0.37 | 0.15 | 0.07 | --   |

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Select mounting height and read across for footcandle values of each isofootcandle line. Distance in units of mounting height.

| Mounting Height                | Footcandle Values for Isofootcandle Lines |       |      |      |      |
|--------------------------------|---|-------|------|------|------|
|                                | A   | B     | C    | D    | E    |
| <b>1000W [3V/4V-HS/3V-EHS]</b> |   |       |      |      |      |
| 25'                            | 7.20                                      | 2.88  | 1.44 | 0.72 | 0.29 |
| 30'                            | 5.00                                      | 2.00  | 1.00 | 0.50 | 0.20 |
| 35'                            | 3.65                                      | 1.46  | 0.73 | 0.37 | 0.15 |
| <b>1000W [AF]</b>              |   |       |      |      |      |
| 25'                            | 30.00                                     | 10.00 | 3.00 | 1.00 | 0.20 |
| 27'                            | 25.50                                     | 8.50  | 2.55 | 0.85 | 0.17 |
| 30'                            | 20.70                                     | 6.90  | 2.07 | 0.69 | 0.14 |

MOUNTING CONFIGURATIONS

