

# TSW Series

## 24" Linear LED Die Cast



<b>Project:</b>	
<b>Type:</b>	
<b>Catalog#:</b>	

The TSW2A series wall, pendant and ceiling mount luminaire is available with clear or LumaLens lenses and open door frame designed to replace HID lighting systems from 175w to 250w MH or HPS. Typical lighting applications include retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of 12 to 25 feet can be used based on light level and uniformity requirements.

### Specifications and Features:

#### Housing:

Heavy-Duty Die Cast Aluminum Housing and Top Frame. Can Be Tapped for Side Conduit Entry.

#### Finish:

Gray Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

#### Lens:

Clear Polycarbonate Vandal-Resistant Lens or LumaLens Opal Polycarbonate Vandal-Resistant Lens

#### Mounting Options:

Surface Mount or Use Optional Quick-Mount Bracket

#### LED:

Aluminum Boards

#### Wattage:

47 Watt: Array: 47w, System: 57.8w (175w HID Equivalent)

66 Watt: Array: 66w, System: 77.3w (250w HID Equivalent)

#### Driver:

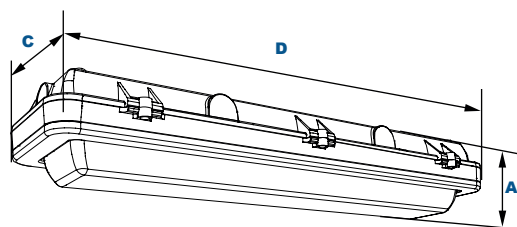
Electronic Driver, 120-277V, 50/60Hz or 347/480V, 50/60Hz; Dimmable Driver

#### Listing & Ratings:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750

IP66 Sealed LED Compartment

5-Year Warranty.



### Dimensions

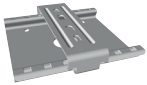
<b>Width (D)</b>	24 1/8" (614mm)
<b>Length (C)</b>	7" (178mm)
<b>Height (A)</b>	4" (102mm)

### Order Information Example:

TSWF66U5KCGSP

Model	Optics	Wattage	Driver	CCT	Lens	Color	Options
TSW=LED Open Frame 24" Linear LED Die Cast	F=Wide	47=47w 66=66w	U=120-277V H=347/480V	5K=5000K	C=Clear Polycarbonate Vandal-Resistant Lens L=LumaLens Opal Polycarbonate Vandal-Resistant Lens	G=Gray C=Custom (Consult Factory)	SF=Single Fuse DF=Double Fuse SP=Surge Protection

## Accessories & Replacement Parts:

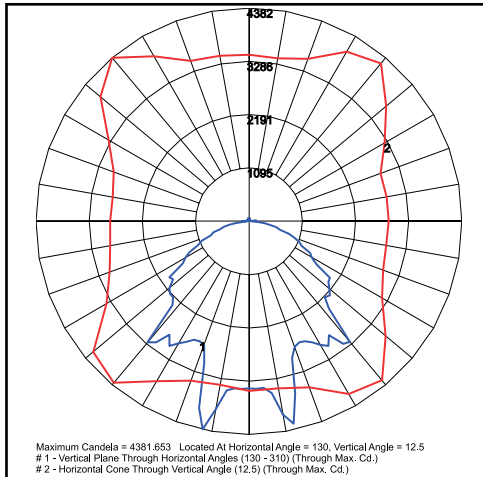


TSWAQM

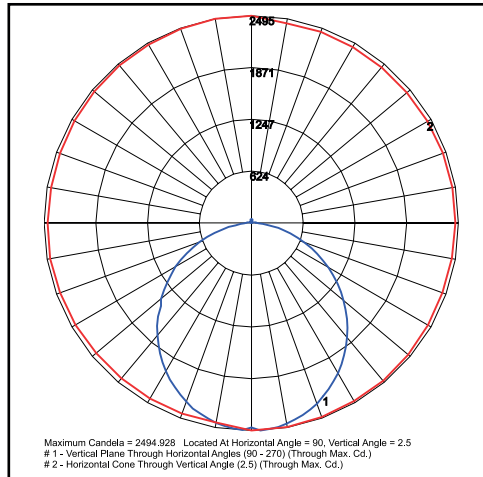
### Mounting Accessories (Order separately, Field installed)

TSWAQM Stainless Steel Quick Mount Bracket.  
Requires Two Brackets Per Fixture.

## Photometric Data



TSWF66U5KC Wide  
Optic



TSWF66U5KL Wide  
Optic

## Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Optics	Spacing Criteria	5000 CCT 80 CRI	
					Lumens	LPW
LED 47w (Clear Lens)	116	58	Open Frame (100° x 100°)	1.22	7,309	126
LED 47w (LumaLens)			Open Frame (110° x 130°)	1.30	5,932	102
LED 66w (Clear Lens)		77	Open Frame (100° x 100°)	1.22	10,294	134
LED 66w (LumaLens)			Open Frame (110° x 130°)	1.30	8,356	109

## Projected Lumen Maintenance

Data shown for 5000 CCT			Compare to MH			
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C
L70 Lumen Maintenance @ 25°C / 77°F	58	1.00	0.95	0.90	0.81	154,000
L70 Lumen Maintenance @ 25°C / 77°F	77	1.00	0.95	0.89	0.78	138,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C
L70 Lumen Maintenance @ 50°C / 122°F	58	1.00	0.85	0.71	0.41	51,000
L70 Lumen Maintenance @ 50°C / 122°F	77	1.00	0.86	0.72	0.43	53,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C
L80 Lumen Maintenance @ 40°C / 104°F	58	1.00	0.93	0.86	0.71	69,000
L80 Lumen Maintenance @ 40°C / 104°F	77	1.00	0.92	0.84	0.68	62,000

### NOTES:

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 116mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.