

# A670TSRLED YALE SERIES

LED

EPA  
1.40 (ft<sup>2</sup>)  
WEIGHT  
48 LBS

7 YEAR  
WARRANTY

LUMEN  
RANGE  
2,270 to  
13,240

LIFE  
SPAN  
L70  
MINIMUM  
100,000  
HOURS

UL  
LISTED

CHECK  
FOR FAQ'S

JOB NAME

FIXTURE TYPE

MEMO

## BUILD A PART NUMBER

ORDERING EXAMPLE: **2A-A670TSRLED-5P-16L40T5-MDL014-A-PEC-FHD/480PM/4212FP4/FCC/BKT**

Mounting Config.	Fixture	Fitter	LED	CCT	Type	Driver	Lens	Option Control Receptacle	Option Control	Option Fuse	Option Custom Logo	Option GFI	Option Terminal Block	Option House Side Shield	Arm See Arm Spec Sheets	Pole See Pole Spec Sheets	Finish

### Mounting Configuration

(Click here to link to mounting configuration specification page)

- IW      • 2A      • 3A90      • 1AM
- PT      • 2A90      • 3APT      • 2AM
- 1A      • 2APT      • 4A      • 450PB
- 1APT      • 3A      • 4APT

W = Wall Mount PT = Post Top A = Arm Mount AM = Arm Mid-Mount PB = Pier Base

### Fixture

- A670TSRLED

### Fitter

- 5P<sup>1</sup>      • 992<sup>1</sup>      • 995<sup>1</sup>      • BD7      • C2097<sup>1</sup>
- 990<sup>1</sup>      • 993<sup>1</sup>      • BD4      • OL3
- 991<sup>1</sup>      • 994<sup>1</sup>      • BD5      • OL4

<sup>1</sup> Add "T" after fitter designation for optional "Twist-lock" fitter.

### LED

- 32L      • 24L      • 16L      • 12L

### CCT - Color Temperature (K)

- 27(00) • 30(00) • 35(00) • 40(00) • 50(00)

### Type

- T2      • T3      • T4      • T5

### Driver

- MDL018<sup>2</sup> (120V-277V, 180mA)
- MDH018<sup>2</sup> (347V-480V, 180mA)
- MDL016<sup>3</sup> (120V-277V, 160mA)
- MDH016<sup>3</sup> (347V-480V, 160mA)
- MDL014<sup>4</sup> (120V-277V, 140mA)
- MDH014<sup>4</sup> (347V-480V, 140mA)
- MDL008<sup>5</sup> (120V-277V, 80mA)
- MDH008<sup>5</sup> (347V-480V, 80mA)

<sup>2</sup> 24L systems only.

<sup>3</sup> 32L systems only.

<sup>4</sup> 24L, 16L, 12L systems only.

<sup>5</sup> 12L systems only.

### Lens

- A (Acrylic)      • P (Polycarbonate)

### Options (Click here to view accessories sheet)

- R7<sup>6</sup> 7-Pin control receptacle only

- SRR7 Roof mounted 7-Pin control receptacle only
- PE7 Twist-Lock Photocontrol (120V-277V)
- PE47 Twist-Lock Photocontrol (347V-480V)
- SC7 Shorting Cap
- PEC Electronic Button Photocontrol (120V-277V)
- PEC4 Electronic Button Photocontrol (480V)
- FHD<sup>8</sup> Double Fuse and Holder
- CL<sup>9</sup> Custom Logo on Ring
- GF<sup>6</sup> 15A Duplex GFI for Utility Fitter
- TB<sup>6</sup> Terminal Block
- HSS House Side Shield
- BLOC Back Light Optical Control

<sup>6</sup> For 900 series utility fitter only.

<sup>7</sup> Requires control receptacle.

<sup>8</sup> Ships loose for installation in base.

<sup>9</sup> Consult factory for specification details.

### Arm (Click here to link to arm specification page)

See Arms & Wall Brackets specification sheets.

- 50      • 70      • 480      • 6236      • TA      • BA
- 478      • 80      • 55      • 579      • TASC

### Pole (Click here to link to pole specification page)

See Pole specification sheets.

### Finish (Click here to view paint finish sheet)

#### Standard Finishes<sup>10</sup>

- BKT Black Textured
- WHT White Textured
- PGT Park Green Textured
- ABZT Architectural Medium Bronze Textured
- DBT Dark Bronze Textured

<sup>10</sup> Smooth finishes are available upon request.

#### Custom Finishes<sup>11</sup>

- CM Custom Match
- OI Old Iron
- RT Rust
- WBR Weathered Brown
- CD Cedar
- WBK Weathered Black
- TT Two Tone

<sup>11</sup> Custom colors require upcharge.

#### Sternberg Select Finishes

- VG Verde Green
- SI Swedish Iron
- OWGT Old World Gray Textured

## Specifications

### Fixture

The caged acorn shall be 18" diameter and 38-5/8" tall. The caged acorn shall be supplied with a cast aluminum finial and a solid, cast aluminum roof which includes optimized heat sinks to provide maximum life and performance for the LED light sources. The caged acorn shall be sealed to the cast aluminum roof to provide a moisture-free and bug-free optics chamber for the LED light sources and Rated IP65. The Luminaire shall have a distinctively styled, decorative cast aluminum cage. The Luminaire shall be UL listed in US and Canada.

### Fitter - Standard

The fitter shall be heavy wall cast aluminum, 356 alloy for high tensile strength. It shall have an 8-1/2" inside diameter opening to attach to the 8" neck of the acorn globe. The fitter shall have a one-piece ring bug gasket to resist insect penetration into lamp assembly.

### 900 Series Utility Fitter Option

The fitter shall be heavy wall cast aluminum, 360 die cast alloy for high tensile strength. It shall have a 9-1/4" inside diameter opening to attach to the 8" neck of the acorn globe. It shall have a hinged, tool-less entry door that provides open access to all of the components. The 900 series shall have an optional terminal block for ease of wiring, an optional Twist-Lock Photocontrol receptacle, an optional single GFCI outlet for auxiliary power needs. The top mounted ballast mounting plate shall be cast aluminum and provide tool-less removal from the housing using 2 finger latches. When ordered with a Sternberg aluminum pole, the fitter shall be set screwed to the pole top or tenon. The fitter shall have a one-piece ring bug gasket to resist insect penetration into lamp assembly.

### Twist-Lock Fitter (Optional)

The TL (Twist-Lock) fitter shall have an

*See next page*

# A670TSRLED YALE SERIES

LED

aluminum die-cast twist-lock mechanism. The tool-less 1/4 turn action allows for easy globe removal and replacement. A die-cast ring assembly is mechanically attached to the globe and is removable if the globe is broken or replaced.

## LEDs

The luminaire shall use high output, high brightness LED's. They shall be mounted in arrays, on printed circuit boards designed to maximize heat transfer to the heat sink surface. The arrays shall be roof mounted to minimize up-light. The LED's and printed circuit boards shall be 100% recyclable; they shall also be protected from moisture and corrosion by a conformal coating. They shall not contain lead, mercury or any other hazardous substances and shall be RoHS compliant. The LED life rating data shall be determined in accordance with IESNA LM-80. The High Performance white LED's will have a life expectancy of approximately 100,000 hours with not less than 70% of original brightness (lumen maintenance), rated at 25°C. The High Brightness, High Output LED's shall be 4000K (5000K or 2700K option) color temperature with a minimum CRI of 70. Consult factory for custom color CCT. The luminaire shall have a minimum \_\_\_\_\_ (see table) delivered initial lumen rating when operated at steady state with an average ambient temperature of 25°C (77°F).

## Optics

The luminaire shall be provided with refractor type optics applied to each LED array. The luminaire shall provide Type \_\_\_\_ (2, 3, 4 or 5) light distribution per the IESNA classifications. Testing shall be done in accordance with IESNA LM-79.

**BLOC Optic:** An optional "Back Light Optical Control" shield can be provided at the factory. This is an internal optic level "House Side Shield" offering significantly reduced backlight and glare while maintaining the original design aesthetics of the luminaire.

## Electronic Drivers

The LED driver shall be U.L. Recognized. It shall be securely mounted inside the fixture, for optimized performance and longevity. It shall be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections and fixture installation. It shall have overload, overheat and short circuit protection, and have a DC voltage output, constant current design, 50/60HZ. It shall be supplied with line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It shall be a high efficiency driver with a THD less than 20% and a high power factor greater than .9. It shall be dimming capable using a 0-10v signal, consult factory for more information.

## Lens

Materials include DR Acrylic or Polycarbonate. An injection molding process adds textured surface for glare mitigation, even wall thickness and impact resistance.

## Photocontrols

**Button Style:** On a single assembly the photocontrol shall be mounted on the fixture and pre-wired to driver. On multiple head assembly's the photocontrol shall be mounted in the pole shaft on an access plate. The electronic button type photocontrol is instant on with a 5-10 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. Photocontrol is 120-277 volt and warranted for 6 years.

**Twist-Lock Style:** The photocontrol shall be mounted in the utility fitter (or roof) and pre-wired to driver. The twist lock type photocontrol is instant on with a 3-6 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. Photocontrol is 120-277 volt and warranted for 6 years.

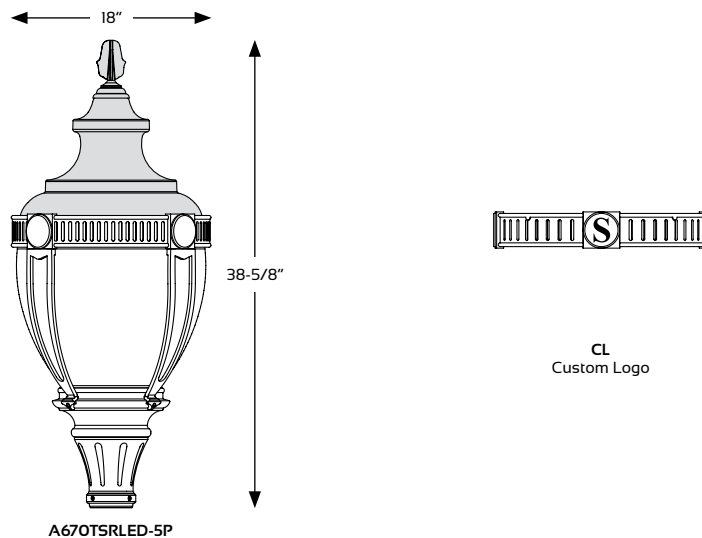
## Warranty

Seven-year limited warranty. See product and finish warranty guide for details.

## Finish

Refer to website for details.

## Fixtures



## Performance

MODEL #	T2 DELIVERED LUMENS	EFFICACY (LPW)	T3 DELIVERED LUMENS	EFFICACY (LPW)	T4 DELIVERED LUMENS	EFFICACY (LPW)	T5 DELIVERED LUMENS	EFFICACY (LPW)	WATTAGE
32L40T_-MDL016	12585	92.5	12605	92.7	12785	94.0	13240	97.4	136
32L30T_-MDL016	12000	88.2	12020	88.4	12190	89.6	12625	92.8	136
32L27T_-MDL016	10850	79.8	10865	79.9	11020	81.0	11415	83.9	136
24L40T_-MDL018	10465	89.4	10485	89.6	10625	90.8	10985	93.9	117
24L30T_-MDL018	9980	85.3	9995	85.4	10130	86.6	10475	89.5	117
24L27T_-MDL018	9020	77.1	9040	77.3	9160	78.3	9470	80.9	117
24L40T_-MDL014	8540	97.0	8535	97.0	8655	98.4	8960	101.8	88
24L30T_-MDL014	8140	92.5	8140	92.5	8250	93.8	8545	97.1	88
24L27T_-MDL014	7360	83.6	7360	83.6	7460	84.8	7725	87.8	88
16L40T_-MDL014	5835	97.3	5775	96.3	5810	96.8	6000	100.0	60
16L30T_-MDL014	5565	92.8	5505	91.8	5540	92.3	5720	95.3	60
16L27T_-MDL014	5030	83.8	4980	83.0	5010	83.5	5170	86.2	60
12L40T_-MDL014	4425	96.2	4370	95.0	4420	96.1	4545	98.8	46
12L30T_-MDL014	4220	91.7	4165	90.5	4215	91.6	4335	94.2	46
12L27T_-MDL014	3815	82.9	3765	81.8	3810	82.8	3920	85.2	46
12L40T_-MDL008	2680	99.3	2635	97.6	2660	98.5	2760	102.2	27
12L30T_-MDL008	2555	94.6	2510	93.0	2535	93.9	2630	97.4	27
12L27T_-MDL008	2310	85.6	2270	84.1	2295	85.0	2380	88.1	27

## Fitters

10-1/8" W  
10-3/8" H



**5P or 5T\***  
Fits 3" OD  
x 3" tall  
tenon/pole

10-1/8" W  
10-1/8" H



**BD4**  
Fits 4" OD  
x 5" tall  
tenon/pole

10-1/8" W  
10-1/4" H



**BD5**  
Fits 5" OD  
x 6" tall  
tenon/pole

10-1/8" W  
11-3/4" H



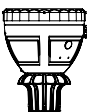
**BD7**  
Fits 7" OD  
x 1" tall  
tenon/pole

10-1/2" W  
15-3/4" H



**990 or 990T\***  
Fits 3" OD  
x 3" tall  
tenon/pole  
**994 or 994T**  
Fits 4" OD  
x 3" tall  
tenon/pole

10-1/2" W  
13-1/8" H



**991 or 991T\***  
Fits 3" OD  
x 3" tall  
tenon/pole

10-1/2" W  
13-1/8" H



**992 or 992T\***  
Fits 3" OD  
x 3" tall  
tenon/pole

10-1/2" W  
15-3/4" H



**993 or 993T\***  
Fits 3" OD  
x 3" tall  
tenon/pole  
**995 or 995T**  
Fits 4" OD  
x 3" tall  
tenon/pole

10-1/2" W  
11-3/8" H



**OL3**  
Fits 3" OD  
x 3" tall  
tenon/pole  
**OL4**  
Fits 4" OD  
x 3" tall  
tenon/pole

10" W  
3-1/4" H



**C2097**  
Fits 7" OD  
x 1" tall  
tenon/pole

\*Twist Lock Acorn (Fitter TL)



**SternbergLighting**

ESTABLISHED 1923 / EMPLOYEE OWNED

800-621-3376  
555 Lawrence Ave., Roselle, IL 60172  
info@sternberglighting.com  
www.sternberglighting.com