



A880SRLED TOWN SQUARE SERIES

LED

EPA
1.42 (ft²)
WEIGHT
44 LBS

7 YEAR
WARRANTY

Lumen
Range
2,205 to
11,895

Life Span
L70
MINIMUM
100,000
HOURS

UL
LISTED

CLICK
FOR FAQ's

RATED
IP65

JOB NAME

FIXTURE TYPE

MEMO

BUILD A PART NUMBER

ORDERING EXAMPLE: **2A-A880SRLED-5P-4ARC45 T5-MDH03-A-PEC-FHD/480PM/4212FP4/FCC/BKT**

Mounting Config.	Fixture	Fitter	LED	CCT	Type	Driver	Lens	Option Control Receptacle	Option Control	Option Fuse	Option GFI	Option Term. 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

- A880SRLED

Fitter

- 5P • 992 • 995 • BD7 • C2097
- 990 • 993 • BD4 • OL3
- 991 • 994 • BD5 • OL4

LED

- 6ARC • 4ARC • 3ARC • 2ARC

CCT - Color Temperature (K)

- 45(00) • 35(00) • 27(00)

Type

- T2 • T3 • T3R • T4 • T5

Driver

- MDL03 (120V-277V, 350mA)
- MDL05 (120V-277V, 525mA)
- MDH03 (347V-480V, 350mA)
- MDH05 (347V-480V, 525mA)

Lens

- A (Acrylic) • P (Polycarbonate)

Options (Click here to view accessories sheet)

- R¹ 3-Pin control receptacle only
- R5¹ 5-Pin control receptacle only
- R7¹ 7-Pin control receptacle only
- SRR Roof mounted 3-Pin control receptacle only
- SRR5 Roof mounted 5-Pin control receptacle only
- SRR7 Roof mounted 7-Pin control receptacle only
- PE² Twist-Lock Photocontrol (120v-277v)
- PE3² Twist-Lock Photocontrol (347v)
- PE4² Twist-Lock Photocontrol (480v)
- SC² Shorting Cap

- PEC Electronic Button Photocontrol (120v-277v)
- PEC4 Electronic Button Photocontrol (480v)
- FHD³ Double Fuse and Holder
- G¹ 15A Duplex GFI for Utility Fitter
- TB¹ Terminal Block
- HSS 120° House Side Shield

¹ For 900 series utility fitter only.

² Requires control receptacle.

³ Ships loose for installation in base.

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 • TASCR

Pole (Click here to link to pole specification page)

See Pole specification sheets.

Finish (Click here to view paint finish sheet)

Standard Finishes⁴

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

⁴ Smooth finishes are available upon request.

Custom Finishes⁵

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

⁵ 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 GFI 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. When supplied with GFI receptacle a hole will be provided for cord and plug installation with the access door closed. When cord and plug is not in use a filler plug will be provided and shall be tethered to the fitter for easy recovery and installation.

See next page



SternbergLighting

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555 Lawrence Ave., Roselle, IL 60172
info@sternberglighting.com
www.sternberglighting.com

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A880SRLED TOWN SQUARE SERIES

LED

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 of 1 to 3 mils. 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 4500K (3500K 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 individual, acrylic, refractor type optics applied to each LED. The luminaire shall provide Type _____ (2, 3, 3R, 4 or 5) light distribution per the IESNA classifications. Testing shall be done in accordance with IESNA LM-79.

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 as well as 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 dimmable using a 0-10v signal.

For sources over 50w: The driver shall have a minimum efficiency of 90%. The driver shall be rated at full load with THD<20% and a power factor of greater than 0.90. The driver shall contain over-heat protection.

For sources under 50w: The driver shall have a minimum efficiency of 88%.

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 photo-control 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.

Performance

LIGHT SOURCE	T2 DELIVERED LUMENS	EFFICACY (LPW)	T3 DELIVERED LUMENS	EFFICACY (LPW)	T3R DELIVERED LUMENS	EFFICACY (LPW)	T4 DELIVERED LUMENS	EFFICACY (LPW)	T5 DELIVERED LUMENS	EFFICACY (LPW)	WATTAGE
6ARC27T_-MDL05	9210	64.0	8895	61.8	9325	64.8	9310	64.7	9280	64.4	144
6ARC35T_-MDL05	10510	73.0	10145	70.5	10640	73.9	10620	73.8	10590	73.5	144
6ARC45T_-MDL05	11810	82.0	11400	79.2	11955	83.0	11935	82.9	11895	82.6	144
6ARC27T_-MDL03	6730	70.1	6485	67.6	6795	70.8	6785	70.7	6840	71.3	96
6ARC35T_-MDL03	7680	80.0	7400	77.1	7750	80.7	7740	80.6	7805	81.3	96
6ARC45T_-MDL03	8625	89.8	8315	86.6	8710	90.7	8700	90.6	8770	91.4	96
4ARC27T_-MDL03	4530	68.6	4350	65.9	4540	68.8	4530	68.6	4555	69.0	66
4ARC35T_-MDL03	5170	78.3	4965	75.2	5180	78.5	5165	78.3	5200	78.8	66
4ARC45T_-MDL03	5810	88.0	5580	84.5	5820	88.2	5805	88.0	5840	88.5	66
3ARC27T_-MDL03	3410	64.3	3345	63.1	3455	65.2	3425	64.6	3475	65.6	53
3ARC35T_-MDL03	3890	73.4	3815	72.0	3945	74.4	3905	73.7	3965	74.8	53
3ARC45T_-MDL03	4370	82.5	4290	80.9	4430	83.6	4390	82.8	4455	84.1	53
2ARC27T_-MDL03	2335	70.8	2205	66.8	2335	70.8	2315	70.2	2330	70.6	33
2ARC35T_-MDL03	2665	80.8	2520	76.4	2665	80.8	2640	80.0	2655	80.5	33
2ARC45T_-MDL03	2990	90.6	2830	85.8	2995	90.8	2965	89.8	2985	90.5	33



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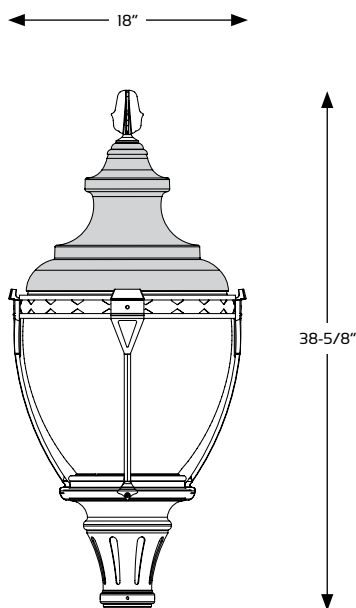
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LED

Fixtures



A880SRLED-5P

Fitters

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



5P
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



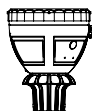
BD7
Fits 7" OD
x 1" tall
tenon/pole

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



990
Fits 3" OD
x 3" tall
tenon/pole
994
Fits 4" OD
x 3" tall
tenon/pole

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



991
Fits 3" OD
x 3" tall
tenon/pole

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



992
Fits 3" OD
x 3" tall
tenon/pole

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



993
Fits 3" OD
x 3" tall
tenon/pole
995
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



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