



# 9403LED STATE SERIES

LED

EPA  
2.15 (ft<sup>2</sup>)  
WEIGHT  
19 LBS

7 YEAR  
WARRANTY

LUMEN  
RANGE  
1,710 to  
7,115

LIFE SPAN  
L70  
MINIMUM  
50,000  
HOURS

UL  
LISTED

CLICK  
FOR FAQ'S

JOB NAME

FIXTURE TYPE

MEMO

## BUILD A PART NUMBER

ORDERING EXAMPLE: 2A-9403LEDTF-SF-IL40T5-MDLO7-CSA/480/3412FP5/TFCC/BKT

Mounting Config.	Fixture	Fitter	LED	CCT	Type	Driver	Lens	Option Control Receptacle	Option Control	Option Fuse	Option Dome Lens	Option Hang-straight	Option House Side Shield	Option Chimney	Arm See Arm Spec Sheets	Pole See Pole Spec Sheets	Finish

### Mounting Configuration

(Click here to link to mounting configuration specification page)

- 1W • 2APT • 4APT • CAT
- PT • 3A • 1AM
- 1A • 3A90 • 2AM
- 1APT • 3A120 • 28PB<sup>1</sup>
- 2A • 3APT • CH28<sup>2</sup>
- 2A90 • 4A • SH28<sup>2</sup>

W = Wall Mount PT = Post Top A = Arm Mount AM = Arm Mid-Mount PB = Pier Base CH = Chain Hung SH = Stem Hung CAT = Catenary

<sup>1</sup>Use "SF" fitter only.

<sup>2</sup>Include Stem/Chain length in inches after designation (IE: CH44-36").

### Fixture

- 9403LED • 9403LEDTF • 9403LEDH

(H) - Hanging style fixture.

### Fitter<sup>3</sup>

- SF (Standard Fitter, Remote Driver)
- FB (Frog Base Fitter, Remote Driver)
- BB (Ballast Box Fitter, Integral Driver)

<sup>3</sup>Fitter not required for (H) Hanging Fixture.

### LED

- IL

### CCT

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

### Type

- T2 • T3 • T4 • T5

### Driver

- MDL11 (120V-277V, 1100mA)
- MDH11 (347V-480V, 1100mA)
- MDLO7 (120V-277V, 700mA)
- MDH07 (347V-480V, 700mA)
- MDLO5 (120V-277V, 500mA)
- MDH05 (347V-480V, 500mA)
- MDLO3 (120V-277V, 300mA)
- MDH03 (347V-480V, 300mA)

Lens (Click here to link to lens option specification page)

- CSA (Clear Seeded Acrylic)
- CTA (Clear Textured Acrylic)
- PA (Prismatic Acrylic)

- SV1 (Flat Soft Vue Light Diffused Acrylic)
- SV2 (Flat Soft Vue Moderate Diffused Acrylic)
- SV4 (Flat Soft Vue Maximum Diffused Acrylic)

Options (Click here to link to view accessories sheet)

- R7<sup>4</sup> 7-Pin control receptacle only
- PE<sup>5</sup> Twist-Lock Photocontrol (120V-277V)
- PE4<sup>5</sup> Twist-Lock Photocontrol (347V-480V)
- SC<sup>5</sup> Shorting Cap
- PEC<sup>6</sup> Electronic Button Photocontrol (120V-277V)
- PEC4<sup>6</sup> Electronic Button Photocontrol (480V)
- FHD<sup>7</sup> Double Fuse and Holder
- SVID Soft Vue Light Diffuse, Internal Dome Lens
- SV2D Soft Vue Medium Diffuse, Internal Dome Lens
- HSHS<sup>8</sup> Standard horizontal hangstraight, spike finial
- HSHN<sup>8</sup> Standard horizontal hangstraight, no finial
- HSHB<sup>8</sup> Standard horizontal hangstraight, ball finial
- EZ<sup>8</sup> Vertical hangstraight, large, "EZ" mount
- HSS 120° House Side Shield
- HSS90 House Side Shield (I) full lens panel
- FHC<sup>9</sup> Frosted Hurricane Chimney

<sup>4</sup>Mounted on "HSH\_" hangstraight only.

<sup>5</sup>Requires control receptacle.

<sup>6</sup>Requires "BB" fitter for use with "PT" mount.

<sup>7</sup>Ships loose for installation in base.

<sup>8</sup>For use with "9403H" fixture only.

<sup>9</sup>Not compatible with SVID or SV2D options.

Arm (Click here to link to arm specification page)

See Arms & Wall Brackets specification sheets.

- 78 • 50 • 480 • 121 • 579 • TASC
- 478 • 80 • 55 • 6236 • TA

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>

- 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 9403 fixture shall be 15-1/2" wide and the overall height shall be 36". It shall be made of heavy wall cast aluminum, 356 alloy and lenses shall be made of vandal resistant acrylic. The fixture cage shall be cast in one piece. The Model 9403 shall be appointed with a cast square cupola house and roof finial. The Model 9403TF shall be appointed with a decorative cast 6" diameter tall finial. The Model 9403FB shall have a four legged open cage bottom. The Luminaire shall be UL listed in US and Canada.

### Post Fitter

The fitter or base shall be heavy wall cast aluminum, 356 alloy for high tensile strength. It shall have an inside diameter opening to fit a 3" diameter pole or tenon. When ordered with a Sternberg aluminum pole, the fitter shall be set screwed to the pole top or tenon.

### LED's

The luminaire shall use high output, high brightness LED, consisting of a two piece assembly complete with Chip on Board (COB) LED component and COB holder frame. The LED 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.

See next page

The High Performance white LED 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 (2700K, 3000K, 3500K or 5000K option) color temperature with a minimum of 70 CRI. 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 an individual, refractor type optics applied to the LED. 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.

### Electronic Driver

The LED driver shall be U.L. Recognized. It shall be mounted in the "BB", "28PB", "CH28" or "SH28" boxes or be remotely mounted in the field, arm, pole or base depending on the selected options. 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 25w:** 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 25w:** The driver shall have a minimum efficiency of 88%.

### Photocontrols

**Button Style:** On a single assembly the photocontrol shall be mounted on the fixture (BB option only) 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 on the hang-straight 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.

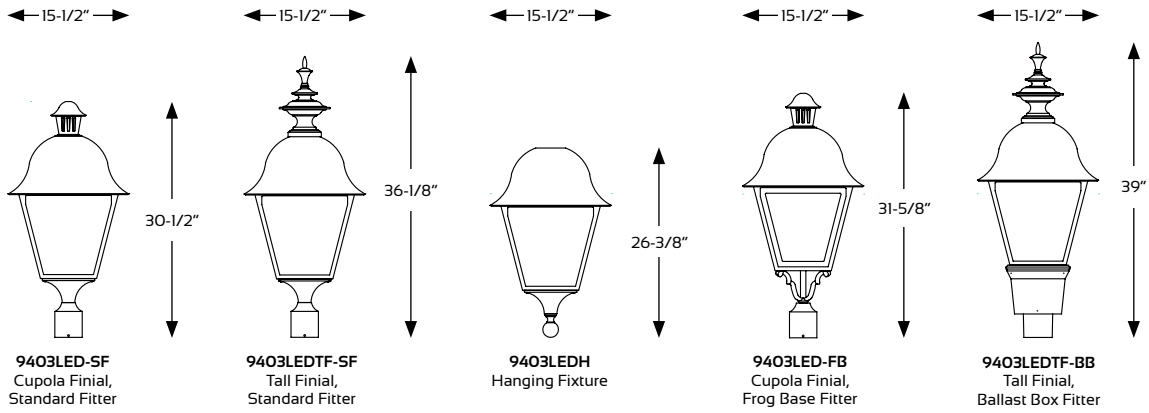
### Finish

Refer to website for details.

## Performance

MODEL #	T2 DELIVERED LUMENS	EFFICACY (LPW)	T3 DELIVERED LUMENS	EFFICACY (LPW)	T4 DELIVERED LUMENS	EFFICACY (LPW)	T5 DELIVERED LUMENS	EFFICACY (LPW)	WATTAGE
1L40T_-MDL11	6525	105.2	6435	103.8	6675	107.7	7115	114.8	62
1L30T_-MDL11	6360	102.6	6270	101.1	6505	104.9	6935	111.9	62
1L27T_-MDL11	5775	93.1	5695	91.9	5910	95.3	6300	101.6	62
1L40T_-MDL07	4345	108.6	4285	107.1	4440	111.0	4715	117.9	40
1L30T_-MDL07	4235	105.9	4175	104.4	4325	108.1	4595	114.9	40
1L27T_-MDL07	3845	96.1	3795	94.9	3930	98.3	4175	104.4	40
1L40T_-MDL05	3180	109.7	3155	108.8	3240	111.7	3450	119.0	29
1L30T_-MDL05	3100	106.9	3075	106.0	3155	108.8	3360	115.9	29
1L27T_-MDL05	2815	97.1	2795	96.4	2870	99.0	3055	105.3	29
1L40T_-MDL03	1930	101.6	1910	100.5	1950	102.6	2100	110.5	19
1L30T_-MDL03	1880	98.9	1860	97.9	1900	100.0	2045	107.6	19
1L27T_-MDL03	1710	90.0	1690	88.9	1725	90.8	1860	97.9	19

## Fixtures



## Options

