

M960SRLED MONTERRO SERIES



M960SRLED

The luminaire shall be a shaded acorn style fixture provided with a decorative cast aluminum fitter, a polycarbonate or acrylic clear textured acorn and a cast aluminum roof. The luminaire shall have LED light sources and roof mounted, down-lighting optics.



EPA = TBD (ft²)
WEIGHT = TBD LBS
Rated IP65

ORDERING EXAMPLE: PT-M960SRLED-910-3-6ARC45T5-MDL03/FHD/4212FP4/BKT

BUILD A PART NUMBER									
Mounting Config.	Fixture	Fitter	LED	CCT	Type	Driver	Options	Pole	Finish
PT	M960SRLED	910-3	6ARC	45	T5	MDL03	FHD	4212FP4	BKT

Mounting Configuration*

- 1W 2A 3A90 2AM
- PT 2A90 4A
- 1A 3A 1AM

A = Arm Mount AM = Arm Mid-Mount W = Wall Mount
*See Mounting Configuration Sheet

Fixtures

- M960SRLED¹ M960ASRLED

Fitters

- 910-3

Drivers

- | Volts | Type | mA |
|----------------------------------|------------------------------|--|
| <input type="checkbox"/> 120-277 | <input type="checkbox"/> MDL | <input type="checkbox"/> 03 |
| <input type="checkbox"/> 347-480 | <input type="checkbox"/> MDH | <input type="checkbox"/> 05 (6 ARC Only) |

LED

- 6ARC 4ARC 3ARC 2ARC

CCT - Color Temperature (K)

- 62(00) 45(00) 35(00)

Type

- T2 T3 T3R T4 T5

Options

- FHD Dual Fuse and Holder-208, 240, 480 Volt
- PF Pineapple Finial or Font - TA, TASCR
- BF Ball Finial or Font - TA, TASCR
- G GFI
- HSS House Side Shield
- TB Terminal Block

Standard Finishes*

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

*Smooth finishes are available upon request

Custom Finishes

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

Sternberg Select Finishes

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

Notes:

¹ White polycarbonate acorns are available. Specify WP after acorn number.

Specifications

General

Maximum up light is 3.7%. The luminaire shall be 27" diameter and 51-1/2" overall height. The luminaire shall be supplied with line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. The luminaire shall be U.L. or E.T.L. listed in U.S. and Canada.

910-3 Fitter Series

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 910-3 shall have an optional terminal block for ease of wiring, an optional Twist-Lock Photocell receptacle, an optional 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.

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.

910-3 ECM Intellistreets Electronic Control Module

Integrated audio and lighting control technology that includes, on/off and dimming, colored flashers, integrated speaker, wireless mesh network, optional add-on functionality for way-finding and security. Consult factory for details and pricing.

Driver

The LED driver shall be securely mounted inside the fitter, for optimized performance and longevity.

Light Sources

The luminaire shall use high output, high brightness LEDs. The LEDs shall be mounted in arrays, on printed circuit boards designed to maximize heat transfer to the heat sink surface. The LEDs shall be attached to the printed circuit board with not less than 90% pure silver to insure optimal electrical and thermal conductivity. The LEDs and printed circuit boards shall be protected from moisture and corrosion by a conformal coating of 1 to 3 mils. The LEDs and printed circuit board construction shall be environmentally friendly and 100% recyclable. 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.

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.

See back page

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Performance

The LEDs and LED driver shall operate over a -40°C (-40°F) to +50°C (122°F) ambient air temperature range. The High Performance white LEDs will have a life expectancy of approximately 70,000 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 6200K option) color temperature with a typical of 70 CRI. The luminaire shall have a minimum _____ (see table) initial delivered lumen rating when operated at steady state with an average ambient temperature of 25°C (77°F).

Electronic Drivers

The driver shall be U.L. Listed. The driver shall have overload as well as short circuit protection. The driver shall be a DC voltage output, constant current design, 50/60HZ. The driver accepts input voltage from 120-277 (MDL). Optional 347-480 (MDH). The driver shall have a minimum power factor of 0.90. The driver shall be rated at full load with THD<20%. The driver is dimmable using 0-10V signal. The luminaire shall be supplied with line-ground, line- neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. The LED driver shall be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections and fixture installation.

Acorn

The acorn shall be 16" diameter and 31-1/2" tall with an 8" diameter neck. The acorn LED assembly shall be retro-fitted to a _____ (competitor) fitter which accepts the standard 8" diameter acorn neck. Consult Sternberg factory. The acorn shall be made of _____ (vandal resistant, clear textured polycarbonate or dent resistant (DR) clear textured acrylic. For Acrylic add "A" to model number. The 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 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.

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

Suggested Arms

See Arms & Wall Brackets specification sheets

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

Poles - See Pole specification sheets.

Finish - Refer to website for details.

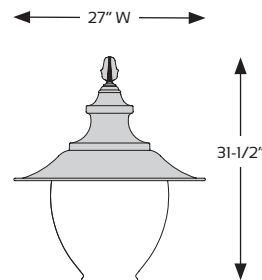
Performance

Light Source	T2 Spec Lumens	T3 Spec Lumens	T3R Spec Lumens	T4 Spec Lumens	T5 Spec Lumens	Watts
6ARC62T-MDL05	10825	11021	10835	10525	11595	148
6ARC45T-MDL05	10125	10305	10135	9840	10845	148
6ARC35T-MDL05	9500	9670	9510	9235	10175	148
6ARC62T-MDL03	8210	8090	8220	8070	8455	98
6ARC45T-MDL03	7680	7565	7690	7545	7910	98
6ARC35T-MDL03	7205	7100	7215	7080	7420	98
4ARC62T-MDL03	5455	5380	5450	5385	5665	68
4ARC45T-MDL03	5100	5030	5100	5035	5295	68
4ARC35T-MDL03	4785	4720	4785	4725	4970	68
3ARC62T-MDL03	4270	4025	4180	4090	4295	54
3ARC45T-MDL03	3995	3765	3910	3825	4015	54
3ARC35T-MDL03	3750	3630	3670	3595	3770	54
2ARC62T-MDL03	2840	2775	2690	2765	2870	35
2ARC45T-MDL03	2655	2595	2515	2585	2685	35
2ARC35T-MDL03	2495	2435	2360	2425	2520	35

Acorns



M960SRLED/910-3



M960SRLED
Polycarbonate
M960ASRLED
Acrylic

910-3 Fitter



910-3
10" W x 20" H
Fits 3" Tenon



SternbergLighting

ESTABLISHED 1923 / EMPLOYEE OWNED

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