



1910-XRLED ACORN SERIES

LED

EPA
0.65 (ft²)
WEIGHT
22 LBS

5 YEAR
WARRANTY

LUMEN
RANGE
1,485 to
4,410

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-1910-XRLED-9L45T5-MDLO7-A-FHD/478PM/3810FP4/BKT**

Mounting Config.	Fixture	LED	CCT	Type	Driver	Lens	Option Control Receptacle	Option Control	Option Fuse	Option Hangstraight	Option House Side Shield	Arm See Arm Spec Sheets	Pole See Pole Spec Sheets	Finish

Mounting Configuration

(Click here to view mounting configuration sheet)

- 1W • 3A • 2AM
- 1A • 3A90 • SH44¹
- 2A • 4A • CH44¹
- 2A90 • 1AM

W = Wall Mount A = Arm Mount AM = Arm Mid-Mount
SH = Stem Hung CH = Chain Hung

¹ Include Stem/Chain length in inches after designation (IE:CH44-36").

Fixture

- 1910

LED

- XRLED-9L • XRLED-12L

CCT - Color Temperature (K)

- 27(00) • 35(00) • 45(00)

Type

- T2 • T3 • T4 • T5

Driver

- MDLO7 (120v-277v, 700Ma)²
- MDL14 (120v-277v, 1400Ma)
- MDH07 (347v-480v, 700Ma)²
- MDH14 (347v-480v, 1400Ma)

² For use with 9L system only.

Lens

- A (Acrylic) • P (Poly)

Options (Click here to view accessories sheet)

- R³ 3-Pin control receptacle only
- R⁵ 5-Pin control receptacle only
- R⁷ 7-Pin control receptacle only
- PE⁴ Twist-Lock Photocontrol (120v-277v)
- PE³ Twist-Lock Photocontrol (347v)
- PE⁴ Twist-Lock Photocontrol (480v)
- SC⁴ Shorting Cap
- PEC Electronic Button Photocontrol (120v-277v)
- PEC4 Electronic Button Photocontrol (480v)
- FHD⁵ Double Fuse and Holder
- HSHS Standard Horizontal Hangstraight, Spike Finial
- HSHN Standard Horizontal Hangstraight, No Finial

- HSHB Standard Horizontal Hangstraight, Ball Finial
- EZ Vertical Hangstraight, Large, "EZ" Mount
- HSV Vertical Hangstraight, Standard
- HSS 120° House Side Shield

³ For use with "HSH_" hangstraights only.

⁴ Requires control receptacle.

⁵ Ships loose for installation in base.

Arm (Click here to view arm website page)

See Arms & Wall Brackets specification sheets.

- 478 • 480 • 1080 • 1082 • 1085 • 1087
- R2⁶

⁶ Luminaires above grade height to be 2' higher than pole height, REQUIRES "EZ" hangstraight.

Pole (Click here to view pole website page)

See Pole specification sheets.

Finish (Click here to view paint finish sheet)

Standard Finishes⁷

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

⁷ Smooth finishes are available upon request.

Custom Finishes⁸

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

⁸ Custom colors require upcharge.

Sternberg Select Finishes

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

Specifications

Fixture

The Acorn series is a decorative downlight fixture which consists of a decorative cast aluminum fitter, and a clear textured teardrop

acorn available in polycarbonate or acrylic. The acorn shall be attached to a spun aluminum neck with rivet nuts and attached to the fitter with stainless steel Allen head screws. The acorn is adequately assembled with gaskets to help prevent insect penetration. The Luminaire shall be UL listed in US and Canada

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 downward facing 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 50,000 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 typical 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 individual, refractor type optics applied to each 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 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

See next page

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LED

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 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 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.

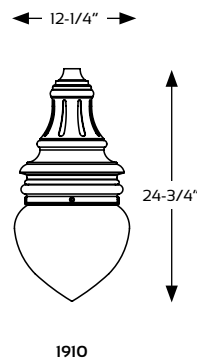
Warranty

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

Finish

Refer to website for details.

Fixtures



Performance

LIGHT SOURCE	T2 DELIVERED LUMENS	EFFICACY (LPW)	T3 DELIVERED LUMENS	EFFICACY (LPW)	T4 DELIVERED LUMENS	EFFICACY (LPW)	T5 DELIVERED LUMENS	EFFICACY (LPW)	WATTAGE
12L27T_-MDL14	3370	59.3	3370	59.3	3285	57.8	3465	61.0	57
12L35T_-MDL14	3985	70.1	3980	70.1	3885	68.4	4095	72.1	57
12L45T_-MDL14	4290	75.5	4290	75.5	4185	73.7	4410	77.6	57
09L27T_-MDL14	2750	60.9	2605	57.7	2620	58.0	2755	61.0	45
09L35T_-MDL14	3250	72.0	3080	68.2	3095	68.6	3255	72.1	45
09L45T_-MDL14	3505	77.6	3315	73.4	3335	73.9	3505	77.6	45
09L27T_-MDL07	1550	73.6	1495	71.0	1485	70.5	1565	74.3	21
09L35T_-MDL07	1835	87.1	1765	83.8	1760	83.5	1850	87.8	21
09L45T_-MDL07	1975	93.7	1900	90.2	1895	89.9	1990	94.4	21