



1220LED/1230LED/1280LED/1290LED PRAIRIE SERIES

LED

EPA
3.67 (ft²)
WEIGHT
71 LBS

7 YEAR
WARRANTY

LUMEN
RANGE
1100 to
6500

LIFE SPAN
L70
MINIMUM
100,000
HOURS

UL
LISTED

CLICK
FOR FAQ'S

JOB NAME _____

FIXTURE TYPE _____

MEMO _____

BUILD A PART NUMBER

ORDERING EXAMPLE: **2A-1230LED-4ARC45T5-MDL03-CSA-PEC-FHD/HCF/6SQ15/BKT**

Mounting Config.	Fixture	Fitter	LED	CCT	Type	Driver	Lens	Option Photocontrol	Option Fuse	Option Chimney	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 • 2APT • 4A • SH44¹
- PT • 2A90 • 4APT • CH44¹
- 1APT • 3A • 1AM
- 1A • 3A90 • 2AM
- 2A • 3APT • PIPB

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

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

Fixture

- 1220LED Tinley • 1280LED Artisan
- 1230LED Prairie • 1290LED Homestead

Fitter²

- S4 • S5 • S6 • R4 • R5 • R6

² Specify on "PT" mounting only.

LED

- 4AIR • 4ARC • 3ARC • 1RND

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)³
- MDH03 (347-480v, 350mA)
- MDH05 (347-480v, 525mA)³

³ For use with 4AIR system only.

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

- SV1 • CSA • PA • AGB
- SV2 • CTA • SA

Options (Click here to view accessories sheet)

- PEC Photocontrol-Electronic (120v-277v)
- PEC4 Photocontrol-Electronic (480v)
- FHD Dual Fuse and Holder
- FMC Frosted Mission Chimney
- HSS House Side Shield

Arm (Click here to link to arm specification page)

See Arms & Wall Brackets specification sheets.

- HSC • HMA • HCF • HCT • HTPS

Pole (Click here to link to pole specification page)

See Pole specification sheets.

Finish (Click here to link to pole specification page)

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

- 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 1230LED luminaire shall be 24" square with a 37" overall height. The luminaire shall be made of heavy wall cast aluminum. The luminaire shall be provided with a cast aluminum roof with optimized heat sinks to provide maximum life and performance for the LED light sources. The lens panels shall be made of vandal resistant acrylic. The Luminaire shall be UL listed in US and Canada.

Fitter

The fixture shall be provided with a heavy wall cast aluminum fitter that can accept a 4" OD (R4), 5" OD (R5), 6" OD (R6), 4" Square (S4), 5" Square (S5) or 6" Square (S6) pole or 3" tall tenon. The end of the fitter shall have four (4) stainless steel allen head screws which secures the connection between the fitter and tenon.

LED's

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, 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 next page

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LED

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 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%.

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.

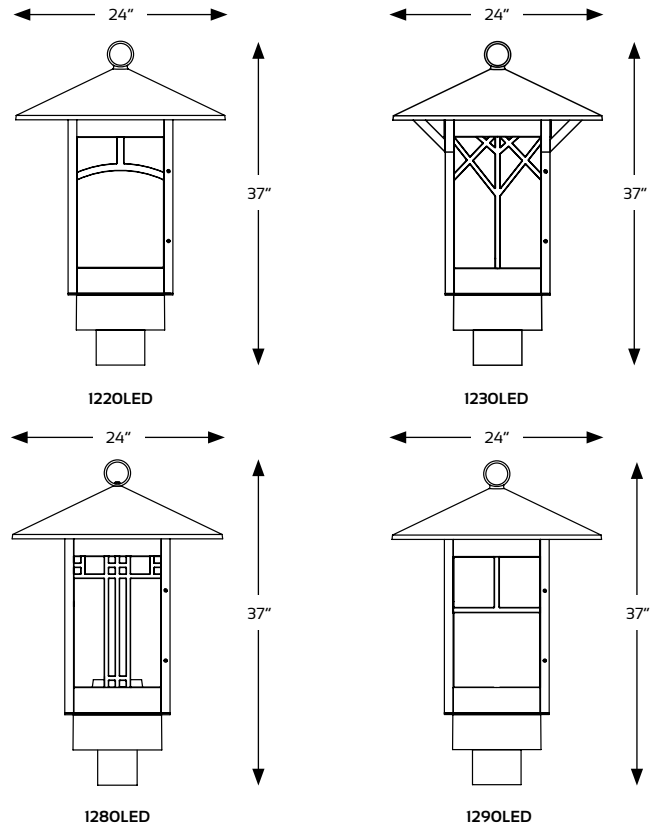
Warranty

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

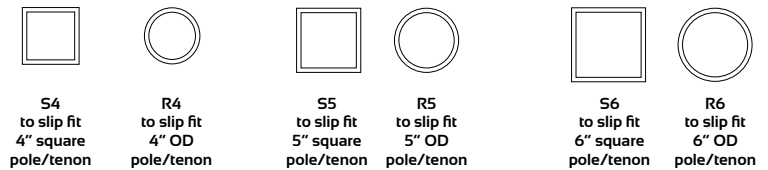
Finish

Refer to website for details.

Fixtures



Fitters



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LED

Performance (Based on 1230LED with CSA Lens)

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
4A1R27T_-MDL05	5090	38.0	4970	37.1	5060	37.8	4765	35.6	5090	38.0	134
4A1R35T_-MDL05	5610	41.9	5480	40.9	5580	41.6	5255	39.2	5610	41.9	134
4A1R45T_-MDL05	6525	48.7	6375	47.6	6490	48.4	6110	45.6	6525	48.7	134
4A1R27T_-MDL03	3590	39.9	3490	38.8	3600	40.0	3440	38.2	3550	39.5	90
4A1R35T_-MDL03	3955	44.0	3850	42.8	3970	44.1	3790	42.1	3915	43.5	90
4A1R45T_-MDL03	4600	51.2	4480	49.8	4615	51.3	4410	49.0	4555	50.6	90
4ARC27T_-MDL03	2400	37.5	2300	36.0	2385	37.3	2275	35.6	2370	37.1	64
4ARC35T_-MDL03	2645	41.4	2535	39.6	2630	41.1	2510	39.3	2610	40.9	64
4ARC45T_-MDL03	3080	48.1	2950	46.1	3055	47.8	2920	45.7	3040	47.5	64
3ARC27T_-MDL03	1935	38.7	1850	37.1	1900	38.0	1835	36.7	1880	37.6	50
3ARC35T_-MDL03	2135	42.7	2040	40.9	2095	41.9	2020	40.5	2075	41.5	50
3ARC45T_-MDL03	2480	49.7	2375	47.5	2435	48.7	2350	47.1	2410	48.3	50
1RND27T_-MDL03	1260	42.1	1210	40.5	1240	41.4	1175	39.2	1230	41.1	30
1RND35T_-MDL03	1390	46.4	1335	44.6	1370	45.7	1295	43.2	1355	45.3	30
1RND45T_-MDL03	1615	54.0	1555	51.9	1590	53.1	1505	50.3	1575	52.6	30