



1531LED OMEGA SERIES

LED

EPA
1.16 (ft²)
WEIGHT
50 LBS

7 YEAR
WARRANTY

LUMEN
RANGE
8,135 to
19,020

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-1531LED-R-24L40T3-MDLO18-SV1-HSHS/CA6/5218P5/RCC/BKT**

Mounting Config.	Fixture	Shade Edge	LED	CCT	Distribution Type	Driver	Lens	Optional Control Receptacle	Optional Control	Option Fuse	Option Hangstraight	Option Term. Block	Option House Side Shield	Arm <small>See Arm Spec Sheets</small>	Pole <small>See Pole Spec Sheets</small>	Finish

Mounting Configuration

(Click here to link to mounting configuration specification page)

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

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

¹Include overall drop length in inches after designation for Stem/Chain application (IE: CH44-48")

Fixture

- 1531LED • 1531LEDSM

Shade Edge

- R (Round Edge) • F (Flared Edge)

LED

- 40L • 32L • 24L

CCT - Color Temperature (K)

- 27(00) • 30(00) • 40(00) • 50(00)

Distribution Type

- T2 • T3 • T4 • T5

Driver

- MDLO18² (120V-277V, 180mA)
- MDHO18² (347V-480V, 180mA)
- MDLO16³ (120V-277V, 160mA)
- MDHO16³ (347V-480V, 160mA)
- MDLO14² (120V-277V, 140mA)
- MDHO14² (347V-480V, 140mA)

² 32L or 24L system only

³ 40L system only

Lens

- FG (Flat Glass)
- SG (Sag Glass)
- FSG (Frosted Sag Glass)
- 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 view accessories sheet)

- R⁴ Pin control receptacle only
- R5⁴ 5-Pin control receptacle only
- R7⁴ 7-Pin control receptacle only

- PE⁵ Twist-Lock Photocontrol (120v-277v)
 - PE3⁵ Twist-Lock Photocontrol (347v)
 - PE4⁵ Twist-Lock Photocontrol (480v)
 - SC⁵ Shorting Cap
 - PEC Electronic Button Photocontrol (120v-277v)
 - PEC4 Electronic Button Photocontrol (480v)
 - FHD⁶ Double Fuse and Holder
 - HSHS⁷ Standard Horizontal Hangstraight, Spike Finial
 - HSHN⁷ Standard Horizontal Hangstraight, No Finial
 - HSHB⁷ Standard Horizontal Hangstraight, Ball Finial
 - HSCB⁷ Clamp Style Horizontal Hangstraight, Ball Finial
 - HSCS⁷ Clamp Style Horizontal Hangstraight, Spike Finial
 - HSCN⁷ Clamp Style Horizontal Hangstraight, No Finial
 - EZ⁷ Vertical Hangstraight, Large, "EZ" Mount
 - HSV⁷ Vertical Hangstraight, Standard
 - TB Terminal Block
 - HSS 120° House Side Shield
 - BLOC Back Light Optical Control
- ⁴ Only available with HSH_, HSC_, & SM.
⁵ Requires control receptacle.
⁶ Ships loose for installation in base.
⁷ Not for use with 1531LEDSM.

Arm (Click here to link to arm specification page)

See Arms & Wall Brackets specification sheets.

- CA • CSA • FFA • CAS
- DAG • R3⁸ • RA

⁸ Luminaires above grade height to be 2" higher than pole height, REQUIRES "EZ" hangstraight.

Pole (Click here to link to pole specification page)

See Pole specification sheets.

Finish

Standard Urban Finishes (Click here to view paint finish sheet)

- UGMT Gun Metal Textured
- UGM Gun Metal Matte
- UBT Urban Bronze Textured
- UB Urban Bronze Matte
- ULBT Urban Light Bronze Textured
- ULB Urban Light Bronze Matte
- USLT Urban Silver Textured
- USL Urban Silver Matte
- UWHT Urban White Textured
- UWH Urban White Matte

- UCHS Urban Champagne Satin Smooth
- BKT Black Textured

Custom Urban Finishes⁹

- CM Custom Match

⁹ Smooth finishes are available upon request.

Specifications

Fixture

The 1531LED Omega series is large scale, decorative downlight fixture with a spun aluminum bell styled dome. The dome is available with two types of shades: round edge (R) and flared edge (F) styles. The luminaire measures 31" outside diameter and 21-1/2" overall height. The luminaire has a hinged door for tool-less driver and LED access. The luminaire is U.L. listed in U.S. 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 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. 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 4000K (2700K, 3000K or 5000K 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).

See next page



SternbergLighting

ESTABLISHED 1923 / EMPLOYEE OWNED

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Optics

The luminaire shall be provided with refractor type optics applied to each LED array. 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.

BLOC Optic: An optional "Back Light Optical Control" shield can be provided at the factory. This is an internal optic level "House Side Shield" offering significantly reduced backlight and glare while maintaining the original design aesthetics of the luminaire.

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, overheat and 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 a high efficiency driver with a THD less than 20% and a high power factor greater than .9. It shall be dimming capable using a 0-10v signal, consult factory for more information.

Photocontrols

Button Style: The photocontrol shall be mounted on the fixture and pre-wired to driver. 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. This option removes the current IP rating. See pole spec sheet for pole mounted version.

Twist-Lock Style: The photocontrol shall be mounted externally on the fixture (1527LEDSM), or 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.

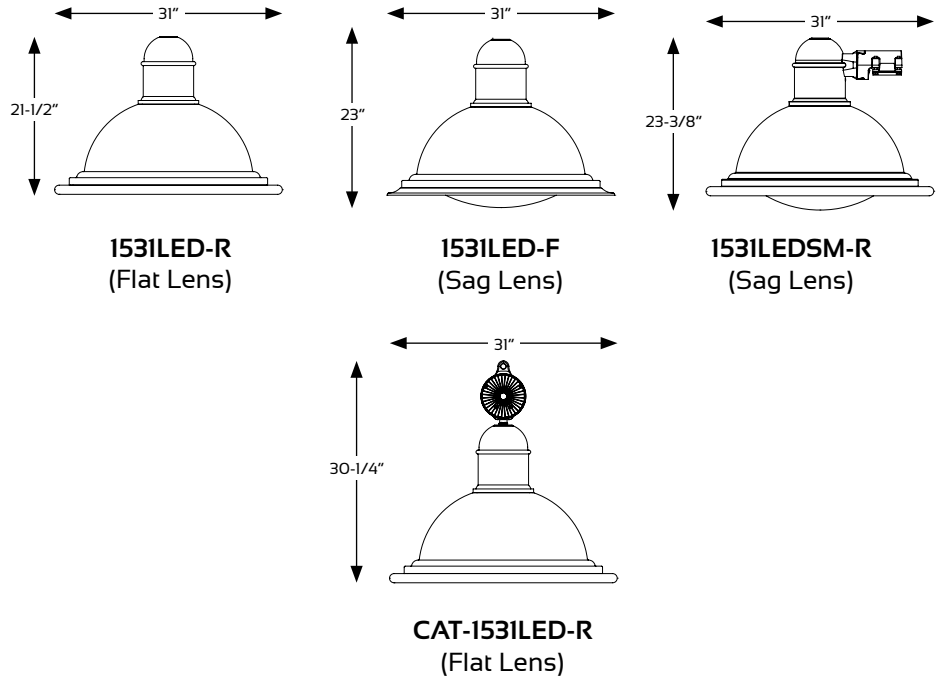
Warranty

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

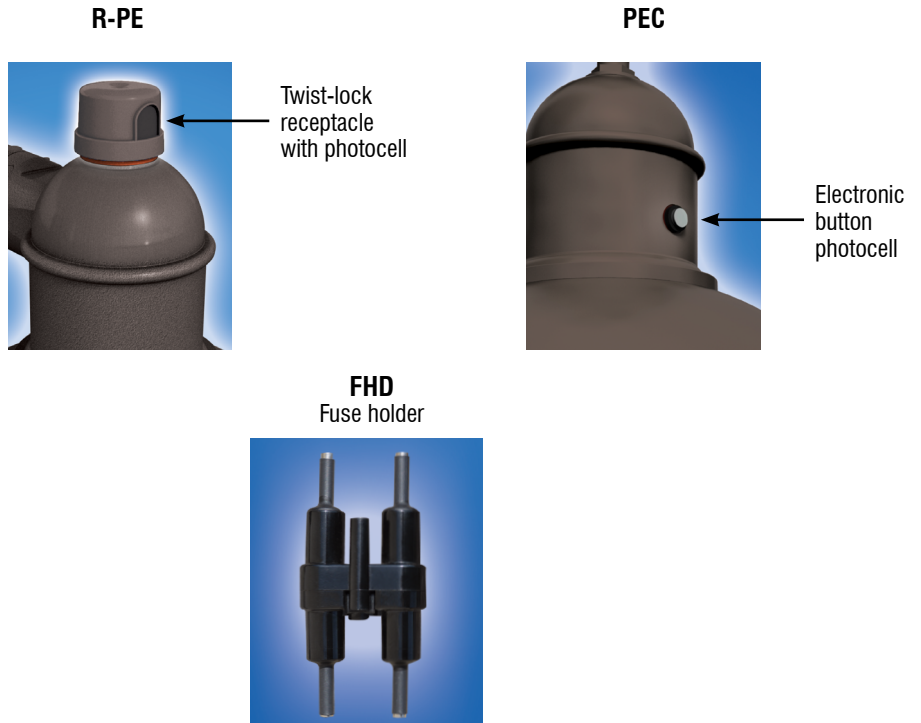
Finish

Refer to website for details.

Fixtures



Options



Performance (Based on FG Lens)

MODEL #	T2 DELIVERED LUMENS	EFFICACY (LPW)	T3 DELIVERED LUMENS	EFFICACY (LPW)	T4 DELIVERED LUMENS	EFFICACY (LPW)	T5 DELIVERED LUMENS	EFFICACY (LPW)	WATTS
40L40T_-MDL016	18640	104.7	19020	106.9	17605	98.9	18805	105.6	178
40L30T_-MDL016	17770	99.8	18135	101.9	16785	94.3	17930	100.7	178
40L27T_-MDL016	16070	90.3	16395	92.1	15175	85.3	16210	91.1	178
32L40T_-MDL018	16970	107.4	17190	108.8	15925	100.8	17085	108.1	158
32L30T_-MDL018	16180	102.4	16390	103.7	15185	96.1	16290	103.1	158
32L27T_-MDL018	14630	92.6	14820	93.8	13730	86.9	14730	93.2	158
32L40T_-MDL014	13400	111.7	13590	113.3	12655	105.5	13590	113.3	120
32L30T_-MDL014	12775	106.5	12955	108.0	12065	100.5	12955	108.0	120
32L27T_-MDL014	11550	96.3	11715	97.6	10910	90.9	11715	97.6	120
24L40T_-MDL018	12955	108.0	13180	109.8	12000	100.0	12990	108.3	120
24L30T_-MDL018	12350	102.9	12565	104.7	11440	95.3	12385	103.2	120
24L27T_-MDL018	11170	93.1	11360	94.7	10345	86.2	11200	93.3	120
24L40T_-MDL014	9955	110.6	10050	111.7	9435	104.8	10075	111.9	90
24L30T_-MDL014	9490	105.4	9580	106.4	8995	99.9	9605	106.7	90
24L27T_-MDL014	8580	95.3	8665	96.3	8135	90.4	8685	96.5	90