



1531LED OMEGA SERIES

LED

EPA
1.16
(ft²)
WEIGHT
50 LBS

7 YEAR
WARRANTY

LUMEN
RANGE
5,240 to
21,950

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-4ARC45T5-MDH03-SV1-HSHS/CA6/5218P5/UBKT**

| Mounting Config. | Fixture | Shade Edge | LED | CCT | Type | Driver | Lens | Optional Control Receptacle | Optional Control | Option Fuse | Option Hang-straight | Option Term. Block | 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)

- 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 stem/chain length in inches after designation (IE: CH44-36")

Fixture

- 1531LED • 1531LEDSM

Shade Edge

- R (Round Edge) • F (Flared Edge)

LED

- 10ARC • 8ARC • 6ARC • 4ARC

CCT - Color Temperature (K)²

- 45(OO) • 35(OO) • 27(OO)

²Other Kelvin temperatures available. Consult factory.

Type

- T2 • T3 • T3R • T4 • T5

Driver

- MDL03 (120v-277v, 350Ma)
- MDH03 (347v-480v, 350Ma)
- MDL05 (120v-277v, 525Ma)³
- MDH05 (347v-480v, 525Ma)³

³For use with 10ARC system only.

Lens

- FG (Flat Glass)
- SG (Sag Glass)
- FSG (Frosted Sag Glass)
- SV1 (Flat Soft Vue Medium Acrylic Lens)
- SV2 (Flat Soft Vue Heavy Acrylic Lens)

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

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

⁹Smooth 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 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. They shall operate in a -40°C (-40°F) to +50°C (122°F) ambient air temperature range. 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).

See next page

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.

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 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 which reduces output to less than half rating if the case temperature reaches 85°C.

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.

Twist-Lock Style: The photocontrol shall be mounted externally on the fixture 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.

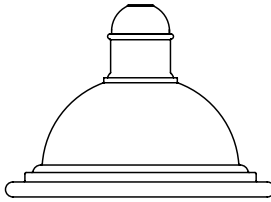
Warranty

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

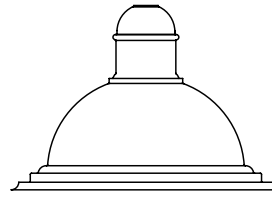
Finish

Refer to website for details.

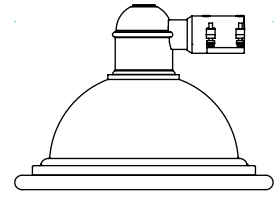
Fixtures



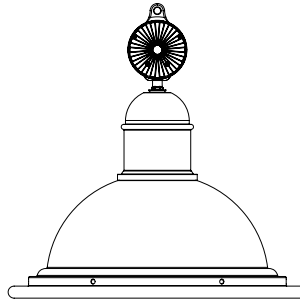
1531LED-R
31"W x 21-1/2"H



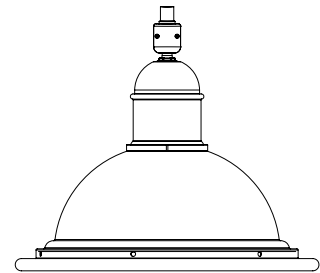
1531LED-F
31"W x 21-1/2"H



1531LEDSM-R
31"W x 21-1/2"H



CAT-1531LED-R
31"W x 21-1/2"H



1531LED-EZ
31"W x 21-1/2"H

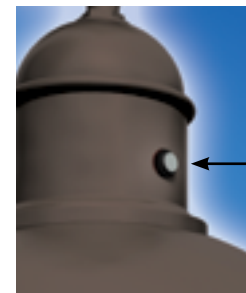
Options

R-PE



Twist-lock
receptacle
with photocell

PEC



Electronic
button
photocell

FHD Fuse holder



Performance (Based on FG Lens)

| MODEL # | 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) | WATTS |
|---------------|---------------------|----------------|---------------------|----------------|----------------------|----------------|---------------------|----------------|---------------------|----------------|-------|
| 10ARC27-MD_05 | 17005 | 72.7 | 16945 | 72.4 | 17110 | 73.1 | 17125 | 73.2 | 17095 | 73.0 | 234 |
| 10ARC35-MD_05 | 19400 | 82.9 | 19335 | 82.6 | 19525 | 83.4 | 19535 | 83.5 | 19505 | 83.3 | 234 |
| 10ARC45-MD_05 | 21800 | 93.2 | 21725 | 92.8 | 21940 | 93.8 | 21950 | 93.8 | 21915 | 93.6 | 234 |
| 10ARC27-MD_03 | 12635 | 80.0 | 12495 | 79.1 | 12710 | 80.5 | 12670 | 80.2 | 12570 | 79.6 | 158 |
| 10ARC35-MD_03 | 14415 | 91.2 | 14255 | 90.2 | 14505 | 91.8 | 14455 | 91.5 | 14340 | 90.8 | 158 |
| 10ARC45-MD_03 | 16200 | 102.5 | 16020 | 101.4 | 16300 | 103.1 | 16245 | 102.8 | 16115 | 102.0 | 158 |
| 8ARC27-MD_03 | 10175 | 82.1 | 9935 | 80.1 | 10280 | 82.9 | 10050 | 81.1 | 10215 | 82.4 | 124 |
| 8ARC35-MD_03 | 11610 | 93.6 | 11335 | 91.4 | 11730 | 94.6 | 11470 | 92.5 | 11655 | 94.0 | 124 |
| 8ARC45-MD_03 | 13045 | 105.2 | 12735 | 102.7 | 13180 | 106.3 | 12885 | 103.9 | 13095 | 105.6 | 124 |
| 6ARC27-MD_03 | 7575 | 78.9 | 7465 | 77.7 | 7685 | 80.0 | 7650 | 79.7 | 7590 | 79.1 | 96 |
| 6ARC35-MD_03 | 8645 | 90.0 | 8515 | 88.7 | 8765 | 91.3 | 8730 | 90.9 | 8660 | 90.2 | 96 |
| 6ARC45-MD_03 | 9715 | 101.2 | 9570 | 99.7 | 9850 | 102.6 | 9810 | 102.2 | 9730 | 101.4 | 96 |
| 4ARC27-MD_03 | 5350 | 81.1 | 5240 | 79.4 | 5350 | 81.0 | 5280 | 80.0 | 5380 | 81.5 | 66 |
| 4ARC35-MD_03 | 6105 | 92.5 | 5980 | 90.6 | 6100 | 92.5 | 6025 | 91.3 | 6140 | 93.0 | 66 |
| 4ARC45-MD_03 | 6860 | 103.9 | 6715 | 101.8 | 6855 | 103.9 | 6765 | 102.5 | 6895 | 104.5 | 66 |