



1521LED OMEGA SERIES

LED

EPA
.72 (ft²)
WEIGHT
27 LBS

7 YEAR
WARRANTY

LUMEN
RANGE
2,640 to
10,090

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-1521LED-R-12L40T3-MDLO18-SV2-HSHB/CA4/4212P4/RCC/BKT**

Mounting Config.	Fixture	Shade Edge	LED	CCT	Distribution 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
- 1A
- 2A
- 2A90
- 3A
- 3A90
- 4A
- 1AM
- 2AM
- SH44¹
- CH44¹
- 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

- 1521LED
- 1521LEDSM

Shade Edge

- R (Round Edge)
- F (Flared Edge)

LED

- 24L
- 16L
- 12L

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)
- MDLO14³ (120V-277V, 140mA)
- MDHO14³ (347V-480V, 140mA)
- MDLO08⁴ (120V-277V, 80mA)
- MDHO08⁴ (347V-480V, 80mA)

²16L or 12L system only

³24L or 12L system only

⁴12L 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)

- R7⁵ 7-Pin control receptacle only
- PE^{5,6} Twist-Lock Photocontrol (120V-277V)

- PE^{5,6} Twist-Lock Photocontrol (347V)
- PE^{4,5,6} Twist-Lock Photocontrol (480V)
- SC^{5,6} Shorting Cap
- PEC Electronic Button Photocontrol (120V-277V)
- PEC⁴ Electronic Button Photocontrol (480V)
- FHD⁷ Double Fuse and Holder
- HSHS⁸ Standard Horizontal Hangstraight, Spike Finial
- HSHN⁸ Standard Horizontal Hangstraight, No Finial
- HSHB⁸ Standard Horizontal Hangstraight, Ball Finial
- EZ⁸ Vertical Hangstraight, Large, "EZ" Mount
- TB Terminal Block
- HSS 120° House Side Shield
- BLOC Back Light Optical Control

⁵ Only available with HSH_L & SM.

⁶ Requires R7 control receptacle.

⁷ Ships loose for installation in base.

⁸ Not for use with 1521LEDSM.

Arm (Click here to link to arm specification page)

See Arms & Wall Brackets specification sheets.

- CA
- CSA
- DAG
- R2⁹
- FFA
- CAS
- RA

⁹ 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 Finishes¹⁰

- CM Custom Match

¹⁰ Smooth finishes are available upon request.

Specifications

Fixture

The 1521LED Omega series is small 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 21" outside diameter and 17" overall height. 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 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 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

See next page

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 (1521LEDSM), 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.

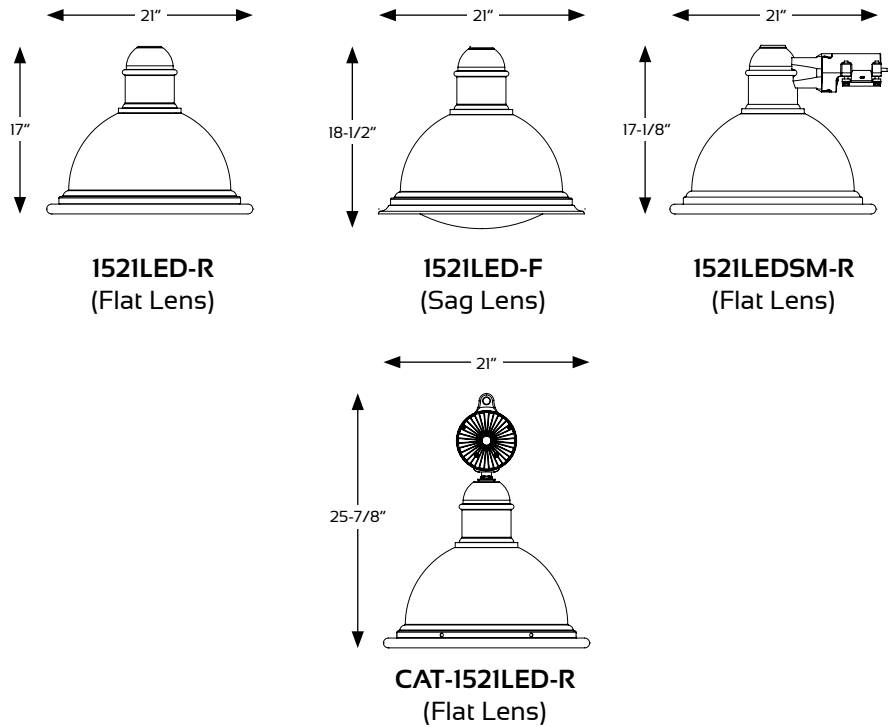
Warranty

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

Finish

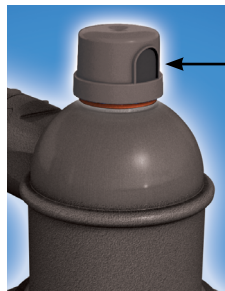
Refer to website for details.

Fixtures



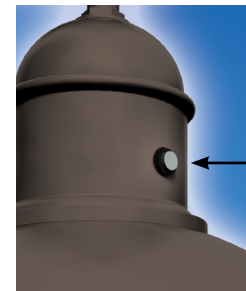
Options

R7-PE



Twist-lock receptacle with photocell

PEC



Electronic button photocell

FHD Fuse holder



Performance (Based on FG Lens)

MODEL #	T2 LUMENS	BUG	EFFICACY (LPW)	T3 LUMENS	BUG	EFFICACY (LPW)	T4 LUMENS	BUG	EFFICACY (LPW)	T5 LUMENS	BUG	EFFICACY (LPW)	WATTS
24L40T_-MDL014	10735	B2U0G2	119.3	10800	B2U0G2	120.0	9945	B2U0G2	110.5	10680	B3U0G1	118.7	90
24L30T_-MDL014	10235	B2U0G2	113.7	10295	B2U0G2	114.4	9480	B2U0G2	105.3	10185	B3U0G1	113.2	90
24L27T_-MDL014	9255	B2U0G2	102.8	9310	B2U0G2	103.4	8575	B2U0G2	95.3	9205	B3U0G1	102.3	90
16L40T_-MDL018	8880	B2U0G2	111.0	8900	B2U0G2	111.3	8285	B2U0G2	103.6	8885	B3U0G1	111.1	80
16L30T_-MDL018	8465	B2U0G2	105.8	8485	B2U0G2	106.1	7900	B2U0G2	98.8	8470	B3U0G1	105.9	80
16L27T_-MDL018	7655	B2U0G2	95.7	7670	B2U0G2	95.9	7140	B1U0G1	89.3	7660	B3U0G1	95.8	80
12L40T_-MDL018	6655	B1U0G1	110.9	6705	B1U0G1	111.8	6180	B1U0G1	103.0	6625	B3U0G1	110.4	60
12L30T_-MDL018	6345	B1U0G1	105.8	6395	B1U0G1	106.6	5890	B1U0G1	98.2	6315	B3U0G1	105.3	60
12L27T_-MDL018	5735	B1U0G1	95.6	5780	B1U0G1	96.3	5330	B1U0G1	88.8	5710	B2U0G1	95.2	60
12L40T_-MDL014	5430	B1U0G1	118.0	5465	B1U0G1	118.8	5030	B1U0G1	109.3	5410	B2U0G1	117.6	46
12L30T_-MDL014	5175	B1U0G1	112.5	5210	B1U0G1	113.3	4795	B1U0G1	104.2	5160	B2U0G1	112.2	46
12L27T_-MDL014	4680	B1U0G1	101.7	4710	B1U0G1	102.4	4335	B1U0G1	94.2	4665	B2U0G1	101.4	46
12L40T_-MDL008	3285	B1U0G1	121.7	3300	B1U0G1	122.2	3040	B1U0G1	112.6	3260	B2U0G0	120.7	27
12L30T_-MDL008	3130	B1U0G1	115.9	3145	B1U0G1	116.5	2900	B1U0G1	107.4	3110	B2U0G0	115.2	27
12L27T_-MDL008	2830	B1U0G1	104.8	2845	B1U0G1	105.4	2620	B1U0G1	97.0	2810	B2U0G0	104.1	27