Specification Sheet

Project Name _____ **Qty** _____

Type _____ **Catalog / Part Number** _____
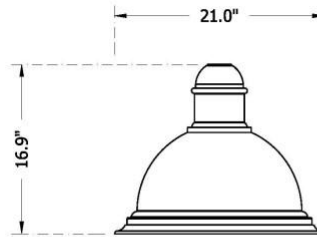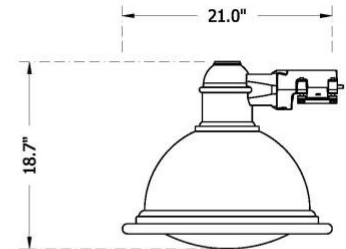
1521LED-F-FG   1521LEDSM-R-SG

Distribution Type

Type 2   Type 3   Type 4   Type 5

CCT - Color Temperature (K)
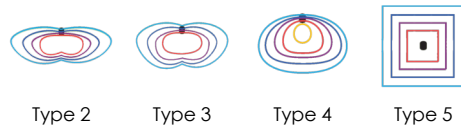
2,700K   3,000K   3,500K   4,000K   5,000K
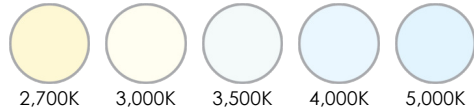
7 Year Warranty

IP Rating

IP 65

Certifications

c UL us LISTED

Description

The 1521LED Omega™ is a decorative and energy efficient downlight fixtures with a spun aluminum bell styled dome. The luminaire has a gasketed hinged door for tool-less driver and LED access. Offered in a variety of mounting configurations, wattages, CCT's and distribution types makes this product the premier option for any Urban, Roadway or Area-Light application.
EPA: .72 (ft²)
WEIGHT: 27 LBS

Features

Mounting Configuration	**1W:** Wall Mount	**1A:** 1 Arm Mount
	2A: 2 Arm Mount @ 180°	**2A90:** 2 Arm Mount @ 90°
	3A: 3 Arms @ 120°	**3A90:** 3 Arms @ 90°
	4A: 4 Arms @ 90°	**1AM:** 1 Arm Mid-Mount
	2AM: 2 Arm Mid-Mount @ 180	**SH44:** Stem Hung
	CH44: Chain Hung	**CAT:** CAT Catenary

Optional Control Receptacle	**R7:** 7-Pin control receptacle only

Optional Control	**PE:** Twist-Lock Photocontrol (120V-277V)
	PE4: Twist-Lock Photocontrol (347V-480V)
	SC: Shorting Cap
	PEC: Electronic Button Photocontrol (120V-277V)
	PEC4: Electronic Button Photocontrol (480V)

Optional Fuse	**FHD:** Double Fuse and Holder

Optional Hangstraight	**HSHS:** Standard Horizontal Hangstraight, Spike Finial
	HSHN: Standard Horizontal Hangstraight, No Finial
	HSHB: Standard Horizontal Hangstraight, Ball Finial
	EZ: Vertical Hangstraight, Large, "EZ" Mount

Optional House Side Shield	**HSS:** 120° House Side Shield
	BLOC: Back Light Optical Control

Optional Fixed Dimming Resistor Board	**FDRB:** Fixed Dimming Resistor Board

Physical

Fixture	**1521LED:** 1521LED		
	1521LEDSM: 1521LEDSM		
Shade Style	**R:** Round Edge	**F:** Flared Edge	
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		
Finish	**UGMT:** Urban Gun Metal Textured	**UGM:** Urban Gun Metal Matte	
	UB: Urban Bronze Matte	**UBT:** Urban Bronze Textured	
	USL: Urban Silver Matte	**USLT:** Urban Silver Textured	
	UWH: Urban White Matte	**UWHT:** Urban White Textured	
	CM: Custom Match	**BKT:** Black Textured	
		ABZT: Architectural Medium Bronze Textured	
	DBT: Dark Bronze Textured	**OWGT:** Old World Gray Textured	
	PGT: Park Green Textured	**SI:** Swedish Iron	
	VG: Verde Green	**WHT:** White Textured	

Light Source

LED	**12L:** 12 LEDs	**16L:** 16 LEDs	
	24L: 24 LEDs		
CCT - Color Temperature (K)	**27:** 2,700K	**30:** 3,000K	
	35: 3,500K	**40:** 4,000K	
	50: 5,000K		
Distribution Type	**T2:** Type 2	**T3:** Type 3	
	T4: Type 4	**T5:** Type 5	

Electrical and control

Driver	**MDL018:** 120V-277V, 180mA	**MDH018:** 347V-480V, 180mA	
	MDL014: 120V-277V, 140mA	**MDH014:** 347V-480V, 140mA	
	MDL008: 120V-277V, 80mA	**MDH008:** 347V-480V, 80mA	

Specifications

Serviceability	Tool-less access to the driver compartment allows for trouble free servicing of the LED Driver and Surge Suppressor. Easy access to service the lens in the field.
Comfortable Optics	SoftVue™ lens provides optimal visual comfort
UL Listing	UL listed per UL1598 for Wet Locations and CSA 22.2 No. 250.0 for the US and Canada.
Electronic Driver	The LED driver shall be securely mounted inside the fixture, for optimized performance and longevity and shall be U.L. Recognized. 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.
NightSky® Friendly	Night-Sky Compliant with a U0 BUG rating
IP Rating	IP65 rated
Finish	6 Stage Polyester Powdercoat paint system.
Urban Finish	Urban paint finishes are available in Sternberg Lighting's Urbanline products and create a modern, elegant aesthetic. Finishes are available in textured or matte
Traditional Finishes	Traditional paint finishes are available in Sternberg Lighting's Traditional product line. A range of colors help accent the decorative elements on the product. Finishes are available in textured or smooth.
Sternberg Select Finishes	Available with Sternberg Select Finishes in Verde Green, Swedish Iron, and Old World Gray Textured for a traditional aesthetic.
Warranty	7-year limited warranty (See Website for Terms and Conditions.)
LEDs	The luminaire shall be fully shielded and use high output, high brightness LEDs in a downward position to maximize efficiency. The LEDs are mounted to maximize thermal transfer to the heat sink surface. The LEDs shall be 100% recyclable; not contain lead, mercury or any other hazardous substances and shall be RoHS compliant. Lumen maintenance shall be determined in accordance with IESNA TM-21, based on LED manufacturer LM-80 test data of no less than 6,000 hours and in-situ testing of the luminaire by an NVLAP accredited Energy Efficient Lighting Products lab. The high-performance white LEDs will have a predicted lumen depreciation of approximately 100,000 hours with greater than 70% of initial output at 25°C. The high brightness, high-output white LEDs shall be 4000K nominal (2700K, 3000K, 3500K or 5000K optional) correlated color temperature (CCT) with a 70 (minimum) color rendering index (CRI). Consult factory for custom CCT or CRI. The luminaire shall have a minimum _____ (see table) delivered initial lumens when operated at steady state with an average ambient temperature of 25°C (77°F). **CCT Lumen Derate Values from 4,000K** 2,700K (70+ CRI)=**.92** 3,000K (70+ CRI)=**.95** 3,500K (70+ CRI)=**.97** 5,000K (70+ CRI)=**1.00**
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.
Backlight Optical Control	**BLOC Optic (BLOC):** 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. **External House Side Shield (HSS):** An optional external 120° House Side Shield helps control backlight. Spun aluminum panel painted to match fixture.
FDRB	10-step field adjustable dimming board. Includes step dimming options from 25%-100%. The unit is conformal coated and UL recognized for use in damp locations.

Sternberg Lighting
ESTABLISHED 1923

555 Lawrence Ave, Roselle, IL, 60172, US   **T** 847-588-3400
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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. See pole spec sheet for pole mounted version.

Twist-Lock Style (Hangstraight Mount): The photocontrol shall be mounted externally on the hangstraight 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.

Twist-Lock Style (Roof Mount): The photocontrol shall be mounted on the roof and prewired 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 turnoff at 2-3 footcandles. Photocontrol is 120-277 volt.

Lumen Chart(s)

Tested with FG lens

Model #	T2 DELIVERED LUMENS	BUG	EFFICACY {LPW}	T3 DELIVERED LUMENS	BUG	EFFICACY {LPW}	T4 DELIVERED LUMENS	BUG	EFFICACY {LPW}	T5 DELIVERED LUMENS	BUG	EFFICACY {LPW}	WATTAGE
24L40T_-MDL014	10735	B2U0G2	122.0	10800	B2U0G2	122.7	9945	B2U0G2	113.0	11115	B3U0G1	126.3	88
24L30T_-MDL014	10235	B2U0G2	116.3	10295	B2U0G2	117.0	9480	B2U0G2	107.7	10600	B3U0G1	120.5	88
24L27T_-MDL014	9255	B2U0G2	105.2	9310	B2U0G2	105.8	8575	B2U0G2	97.4	9580	B3U0G1	108.9	88
16L40T_-MDL018	8880	B2U0G2	111.0	8900	B2U0G2	111.3	8285	B2U0G2	103.6	9230	B3U0G1	115.4	80
16L30T_-MDL018	8465	B2U0G2	105.8	8485	B2U0G2	106.1	7900	B2U0G2	98.8	8800	B3U0G1	110.0	80
16L27T_-MDL018	7655	B2U0G2	95.7	7670	B2U0G2	95.9	7140	B2U0G2	89.3	7955	B3U0G1	99.4	80
12L40T_-MDL018	6655	B1U0G1	110.9	6705	B1U0G1	111.8	6180	B1U0G1	103.0	6905	B3U0G1	115.1	60
12L30T_-MDL018	6345	B1U0G1	105.8	6395	B1U0G1	106.6	5890	B1U0G1	98.2	6585	B3U0G1	109.8	60
12L27T_-MDL018	5735	B1U0G1	95.6	5780	B1U0G1	96.3	5330	B1U0G1	88.8	5955	B3U0G1	99.3	60
12L40T_-MDL014	5430	B1U0G1	118.0	5465	B1U0G1	118.8	5030	B1U0G1	109.3	5665	B2U0G1	123.2	46
12L30T_-MDL014	5175	B1U0G1	112.5	5210	B1U0G1	113.3	4795	B1U0G1	104.2	5400	B2U0G1	117.4	46
12L27T_-MDL014	4680	B1U0G1	101.7	4710	B1U0G1	102.4	4335	B1U0G1	94.2	4885	B2U0G1	106.2	46
12L40T_-MDL008	3285	B1U0G1	121.7	3300	B1U0G1	122.2	3040	B1U0G1	112.6	3440	B2U0G0	127.4	27
12L30T_-MDL008	3130	B1U0G1	115.9	3145	B1U0G1	116.5	2900	B1U0G1	107.4	3280	B2U0G0	121.5	27
12L27T_-MDL008	2830	B1U0G1	104.8	2845	B1U0G1	105.4	2620	B1U0G1	97.0	2965	B2U0G0	109.8	27

Standard Horizontal Hangstraight

To slip fit 4" long by 2-3/8" OD on horizontal tenon

Standard Horizontal Hangstraight, Spike Finial **(HSHS)**

Standard Horizontal Hangstraight, Ball Finial **(HSHB)**

Standard Horizontal Hangstraight, No Finial **(HSHN)**

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Vertical Hangstraight

"EZ" Vertical hangstraight **(EZ)**

Options

Button Photocell **(PEC or PEC4)**
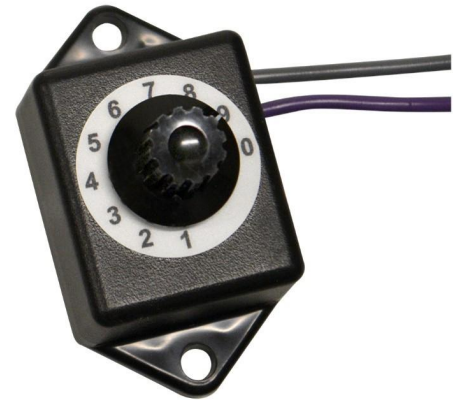

7-Pin NEMA Twist-Lock Receptacle **(R7)**

NEMA Twist-Lock Photocell **(PE or PE4)**

Double Fuse Holder & (2) 3A Fuses **(FHD)**

House Side Shield **(HSS)**

Fixed Dimming Resistor Board **(FDRB)**

How to order

Mounting Configuration	Drop Length (In Inches)	Fixture	Shade Style	LED	CCT - Color Temperature (K)	Distribution Type	Driver	Lens
1W Wall Mount **1A** 1 Arm Mount **2A** 2 Arm Mount @ 180° **2A90** 2 Arm Mount @ 90° **3A** 3 Arms @ 120° **3A90** 3 Arms @ 90° **4A** 4 Arms @ 90° **1AM** 1 Arm Mid-Mount **2AM** 2 Arm Mid-Mount @ 180 **SH44** Stem Hung **CH44** Chain Hung **CAT** CAT Catenary		**1521LED** 1521LED **1521LEDSM** 1521LEDSM	**R** Round Edge **F** Flared Edge	**12L** 12 LEDs **16L** 16 LEDs **24L** 24 LEDs	**27** 2,700K **30** 3,000K **35** 3,500K **40** 4,000K **50** 5,000K	**T2** Type 2 **T3** Type 3 **T4** Type 4 **T5** Type 5	**MDL018** 120V-277V, 180mA [1] **MDH018** 347V-480V, 180mA [1] **MDL014** 120V-277V, 140mA [2] **MDH014** 347V-480V, 140mA [2] **MDL008** 120V-277V, 80mA [3] **MDH008** 347V-480V, 80mA [3]	**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

Notes:

1. 16L or 12L system only.
2. 24L or 12L system only.

3. 12L system only.

How to order

Optional Control Receptacle [4]	Optional Control	Optional Fuse	Optional Hangstraight	Optional House Side Shield [9]	Optional Fixed Dimming Resistor Board [11]	Finish
R7 7-Pin control receptacle only [5]	**PE** Twist-Lock Photocontrol (120V-277V) [5] [6] **PE4** Twist-Lock Photocontrol (347V-480V) [5] [6] **SC** Shorting Cap [5] [6] **PEC** Electronic Button Photocontrol (120V-277V) **PEC4** Electronic Button Photocontrol (480V)	**FHD** Double Fuse and Holder [7]	**HSHS** Standard Horizontal Hangstraight, Spike Finial [8] **HSHN** Standard Horizontal Hangstraight, No Finial [8] **HSHB** Standard Horizontal Hangstraight, Ball Finial [8] **EZ** Vertical Hangstraight, Large, "EZ" Mount [8]	**HSS** 120° House Side Shield **BLOC** Back Light Optical Control [10]	**FDRB** Fixed Dimming Resistor Board	**UGMT** Urban Gun Metal Textured **UGM** Urban Gun Metal Matte **UBT** Urban Bronze Textured **UB** Urban Bronze Matte **USLT** Urban Silver Textured **USL** Urban Silver Matte **UWHT** Urban White Textured **UWH** Urban White Matte **BKT** Black Textured **CM** Custom Match [12] **ABZT** Architectural Medium Bronze Textured **DBT** Dark Bronze Textured **OWGT** Old World Gray Textured **PGT** Park Green Textured **SI** Swedish Iron **VG** Verde Green **WHT** White Textured

Notes:

4. Not for use with FDRB.
5. Only available with HSH_, & SM.
6. Requires control receptacle.
7. Ships loose for installation in base.
8. Not for use with 1521LEDSM.

9. Not for use with T5 optic.
10. Only available with T2, T3 and T4.
11. Not for use with R7.
12. Custom colors require upcharge.