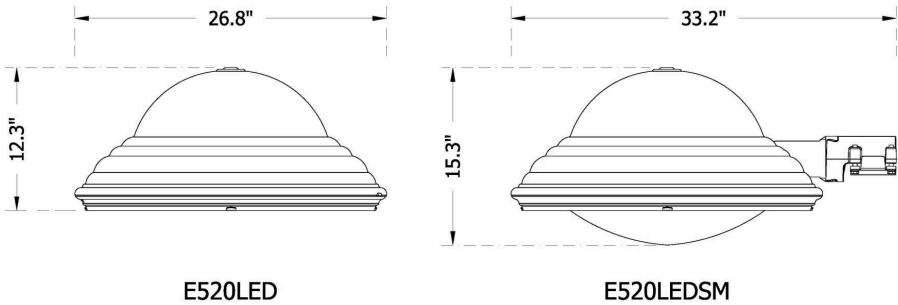


Project Name

Qty

Type

Catalog / Part Number



Certifications



Mounting Configuration



Wall Mount



1 Arm Mount



2 Arm Mount
@ 180°



2 Arm Mount
@ 90°



3 Arms @ 120°



3 Arms @ 90°



4 Arms @ 90°



1 Arm
MidMount



2 Arm
MidMount
@ 180



Stem Hung



Chain Hung



Catenary

Description

The E520LED Euro is an X-large scale downlight fixture with a permanent mold cast aluminum roof. This simplified family member can be used alone, or on a combination assembly for a distinctive application. This unique family adapts classic design elements in a more contemporary package.

EPA: .84 (ft²) | WEIGHT: 52 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 MidMount
- 2AM: 2 Arm MidMount @ 180
- SH44: Stem Hung
- CH44: Chain Hung
- CAT: Catenary

Fixture

E520LED: Downlight, X-Large Euro
E520LEDSM: Downlight, X-Large Euro, Side Mount

Lens

FG: Flat Glass
SG: Sag Glass

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

Finish



Black
Textured



White
Textured



Park
Green
Textured



Arch Med
Bronze
Tex



Dark
Bronze
Textured



Verde
Green



Swedish
Iron



Old World
Gray Tex



Old Iron



Rust



Weathered
Brown



Cedar



Weathered
Black



Two Tone



Custom
Match

CCT - Color Temp (K)



2,700K



3,000K



3,500K



4,000K



5,000K

Distribution Type



Type 2



Type 3



Type 4



Type 5

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

BLOC: Back Light Optical Control

Optional Fixed Dimming Resistor Board

FDRB: Fixed Dimming Resistor Board

Finish

BKT: Black Textured
WHT: White Textured
PGT: Park Green Textured
ABZT: Arch Med Bronze Tex
DBT: Dark Bronze Textured
CM: Custom Match
OI: Old Iron
RT: Rust
WBR: Weathered Brown
CD: Cedar
WBK: Weathered Black
TT: Two Tone
VG: Verde Green
SI: Swedish Iron
OWGT: Old World Gray Tex

Light Source

LED

24L: 24 LEDs
32L: 32 LEDs
40L: 40 LEDs

CCT - Color Temp (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

Driver

MDL012: 120V-277V, 120mA
MDH012: 347V-480V, 120mA
MDL014: 120V-277V, 140mA
MDH014: 347V-480V, 140mA
MDL016: 120V-277V, 160mA
MDH016: 347V-480V, 160mA

Important

Virtual Patent Marking Notice

This website (<https://www.lmpg.com/patents-trademarks>) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

How to Order

Mounting Configuration	Overall Drop Length (In Inches) ⁽⁴⁾ ⁽⁵⁾	Fixture	LED	CCT - Color Temp (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° ⁽¹⁾ 3A90 3 Arms @ 90° 4A 4 Arms @ 90° 1AM 1Arm MidMount 2AM 2Arm MidMount @180 SH44 Stem Hung ⁽²⁾ CH44 Chain Hung ⁽²⁾ CAT Catenary ⁽²⁾ ⁽³⁾		E520LED Downlight, X-Large Euro E520LED SM Downlight, X-Large Euro, Side Mount	24L 24 LEDs 32L 32 LEDs 40L 40 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	MDL012 120V-277V, 120mA ⁽⁶⁾ MDH012 347V-480V, 120mA ⁽⁶⁾ MDL014 120V-277V, 140mA ⁽⁷⁾ MDH014 347V-480V, 140mA ⁽⁷⁾ MDL016 120V-277V, 160mA ⁽⁸⁾ MDH016 347V-480V, 160mA ⁽⁸⁾	FG Flat Glass SG Sag Glass

Notes:

1. Only available with a round profile pole.

2. Not for use with Side Mount (SM) luminaire.

3. Requires EZ hang-straight.

4. Required field for Stem or Chain Mounting Configuration.
5. Minimum 20" Overall Drop Length.

6. 24L or 32L system only.

7. 40L system only.

8. 32L system only.

How to Order

Optional Control Receptacle ⁽⁹⁾ ⁽¹⁰⁾	Optional Control	Optional Fuse ⁽¹³⁾	Optional Hangstraight ⁽²⁾	Optional House Side Shield ⁽¹⁵⁾	Optional Fixed Dimming Resistor Board ⁽¹⁴⁾	Finish
R7 7-Pin control receptacle only	PE Twist-Lock Photocontrol (120V-277V) ⁽¹¹⁾ PE4 Twist-Lock Photocontrol (347V-480V) ⁽¹¹⁾ SC Shorting Cap ⁽¹¹⁾ PEC Electronic Button Photocontrol (120V-277V) ⁽¹²⁾ PEC4 Electronic Button Photocontrol (480V) ⁽¹²⁾	FHD Double Fuse and Holder	HS Standard Horizontal Hangstraight, Spike Finial HSN Standard Horizontal Hangstraight, No Finial HSB Standard Horizontal Hangstraight, Ball Finial EZ Vertical Hangstraight, Large, "EZ" Mount ⁽¹⁴⁾	BLOC Back Light Optical Control	FDRB Fixed Dimming Resistor Board	BKT Black Textured ⁽¹⁶⁾ WHT White Textured ⁽¹⁶⁾ PGT Park Green Textured ⁽¹⁶⁾ ABZT Arch Med Bronze Tex ⁽¹⁶⁾ DBT Dark Bronze Textured ⁽¹⁶⁾ CM Custom Match ⁽¹⁷⁾ OI Old Iron ⁽¹⁷⁾ RT Rust ⁽¹⁷⁾ WBR Weathered Brown ⁽¹⁷⁾ CD Cedar ⁽¹⁷⁾ WBK Weathered Black ⁽¹⁷⁾ TT Two Tone ⁽¹⁷⁾ VG Verde Green SI Swedish Iron OWGT Old World Gray Tex

Notes:

- 2.** Not for use with Side Mount (SM) luminaire.

9. Not for use with STEM, CHAIN, or EZ mounting style.

10. Not for use with FDRB.

11. Requires control receptacle.

12. Only for use with CAT mounting configuration
- 13.** Ships loose for installation in base.

14. Not for use with R7.

15. Not for use with T5 optic.

16. Smooth finishes are available upon request.

17. Custom colors require upcharge.

Specifications

Housing	The housing is constructed utilizing precision cast aluminum parts.
Recommended Arms	This luminaire pairs well with the variety of arms: RA, SMA, CA and CBA Build your assembly in Genesis to review different arm styles.
Hang-Straight	A hang-straight transition is required for most hanging mounting configurations. The Standard (HSHx) is an aluminum ball and swivel horizontal hang-straight. Available with a spike (S), a ball (B), or no finial (N). The hang-straight slips a 4" long by 2-3/8" OD horizontal tenon. The (EZ) is a cast stainless steel ball and swivel vertical hang-straight. The special 2-part design allows for easy installation. It is factory installed under an arm and on the fixture.
Mounting	Optional Side Mount adapter (SM) slip fits 2-3/8" OD x 4" long horizontal tenon
Catenary Mount	The Catenary mount option includes a cast aluminum span wire clamp, which accommodates cables 1/4"-5/8" in diameter. Below the clamp is a decorative cast aluminum wire box and cover which transitions to the EZ vertical Hangstraight for fixture attachment. Aircraft Cable by others.
Hardware	Includes Stainless steel hardware. Most finishes will include hardware with a Black Oxide conversion coating. Light finishes will get non-color coated hardware (Whites and Silvers)
Lens	Optional glare reducing SoftVue™ lens provides optimal visual comfort. Uses a .188" thick glass lens. . Offered in Flat Glass (FG) or Sag Glass (SG)
Serviceability	Easy access to service the lens in the field.
UL Listing	UL listed per UL1598 and CSA C22.2 No. 250.0 for the United States and Canada. Suitable for Wet Locations.
Electronic Driver	The LED driver is UL recognized and will be securely mounted inside the fixture, for optimized performance and longevity. It will be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections for fixture installation and maintenance. It will have DC voltage output and be a constant current design. It runs at 50/60HZ and will have overload, overheat, and short circuit protection. It will be supplied with a supplemental line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It will be a high efficiency driver with a THD less than 20% and a high-power factor greater than .9. It will be dimming capable using a 0-10V signal, consult factory for more information.
NightSky® Friendly	Dark sky design properties with a U0 BUG rating for specific configurations.
IP Rating	IP65 rated luminaire for enhanced protection against dust and water intrusion.
Finish	Our 6 Stage Polyester Powder coat paint system offers a beautiful high-end finish that holds up to even the most extreme environments. Each part is inspected for quality and consistency before being released for shipment. Our system exceeds AAMA 2604, AAMA 2605, ASTM D523 and ASTM D4214 requirements.
Traditional Finish	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. Available finishes include: Black, White, Park Green, Architectural Medium Bronze and Dark Bronze
Sternberg Select Finish	The Sternberg Select antique-inspired palette adds a touch of vintage elegance to modern applications. Old World Gray Textured is a 1 part powder coat with metallic flakes. Verde Green and Swedish Iron is a 2 part finish that includes a powder coat base coat with a hand applied antique top coat. The top coat is unique to each application and changes over time.

Custom Finish	Custom finishes are offered to adapt to any application. Rust, Weathered Brown and Cedar are special 1 part powder coat finishes with a distinctive look. Old Iron and Weathered Black are 2 part finishes that includes a powder coat base coat with a hand applied antique top coat. The top coat is unique to each application and changes over time. Two-Tone and Custom Match options are available to blend Sternberg product with the site, consult factory for more information.
Warranty	7-year limited warranty. See Website for Terms and Conditions.
LEDs	The LEDs in this system will be fully shielded in a direct 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)=1.03 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.
Fixed Dimming Resistor Board (FDRB)	Optional numbered 10-step selector switch allows for fine adjustment of the light levels in the field, repeatable from location to location. Offers dimming from 25% to 100% of the original output. Enclosure is composite material, sealed to protect components for the life of the product.
Photocontrols	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. If an R7 is specified alongside a BALL or SPIKE style finial on hang-straight, a decorative cap (with window) is included to cover a STANDARD photocell. Use the NO FINIAL hangstraight option if the R7 is used with a WIRELESS CONTROLLER. Button Photocell: The photocontrol shall be mounted on the "Catenary Box" 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.

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
40L40T_-MDL014	17085	B2U0G2	110.2	15870	B3U0G3	102.4	16165	B2U0G2	104.3	17145	B4U0G2	110.6	155
40L30T_-MDL014	16290	B2U0G2	105.1	15130	B3U0G3	97.6	15410	B2U0G2	99.4	16345	B4U0G2	105.5	155
40L27T_-MDL014	14730	B2U0G2	95.0	13680	B3U0G3	88.3	13935	B2U0G2	89.9	14780	B4U0G2	95.4	155
32L40T_-MDL016	15270	B2U0G2	113.1	14925	B3U0G3	110.6	14415	B2U0G2	106.8	16585	B4U0G2	122.9	135
32L30T_-MDL016	14560	B2U0G2	107.9	14230	B3U0G3	105.4	13745	B2U0G2	101.8	15815	B4U0G2	117.1	135
32L27T_-MDL016	13165	B2U0G2	97.5	12865	B3U0G3	95.3	12425	B2U0G2	92.0	14295	B4U0G2	105.9	135
32L40T_-MDL012	12195	B2U0G2	122.0	11925	B2U0G2	119.3	11515	B2U0G2	115.2	13255	B3U0G2	132.6	100
32L30T_-MDL012	11625	B2U0G2	116.3	11370	B2U0G2	113.7	10980	B2U0G2	109.8	12640	B3U0G2	126.4	100
32L27T_-MDL012	10515	B2U0G2	105.2	10280	B2U0G2	102.8	9925	B2U0G2	99.3	11425	B3U0G2	114.3	100
24L40T_-MDL012	9090	B2U0G1	119.6	8940	B2U0G2	117.6	8650	B1U0G2	113.8	9945	B3U0G1	130.9	76
24L30T_-MDL012	8665	B2U0G1	114.0	8525	B2U0G2	112.2	8245	B1U0G2	108.5	9480	B3U0G1	124.7	76
24L27T_-MDL012	7835	B2U0G1	103.1	7705	B2U0G2	101.4	7455	B1U0G2	98.1	8575	B3U0G1	112.8	76

Hangstraight

Horizontal Hang-straight's slip fit 4" long by 2-3/8" OD horizontal tenon



Standard Horizontal Hangstraight,
Spike Finial (HSHS)



Standard Horizontal Hangstraight, Ball
Finial (HSHB)



Standard Horizontal Hangstraight, No
Finial (HSHN)



"EZ" Vertical hangstraight (EZ)

Options



Fixed Dimming Resistor Board
(FDRB)



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

Recommended Arms

An assortment of alternate arms are also available



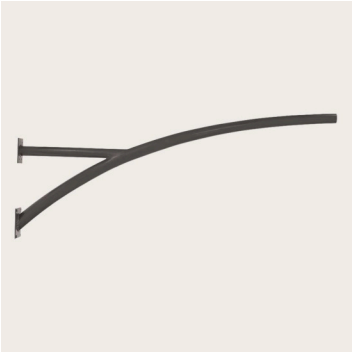
(RA) Arm



(SMA) Arm

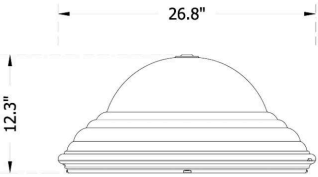


(CA) Arm

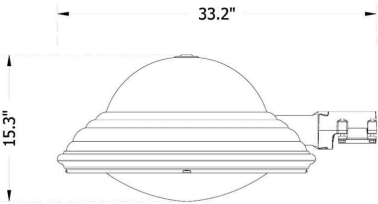


(CBA) Arm

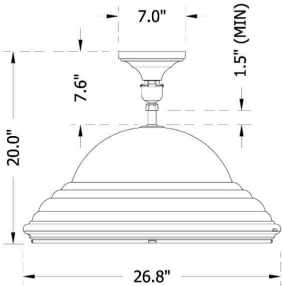
Dimensions



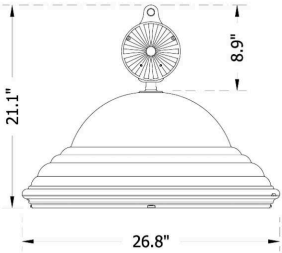
Downlight, X-Large Euro (E520LED)



Downlight, X-Large Euro, Side Mount (E520LED5M)



Stem Hung/Chain Hung (SH44/CH44)



Catenary Mount (CAT)