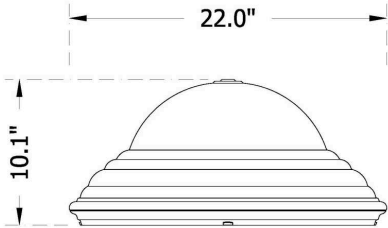


Project Name

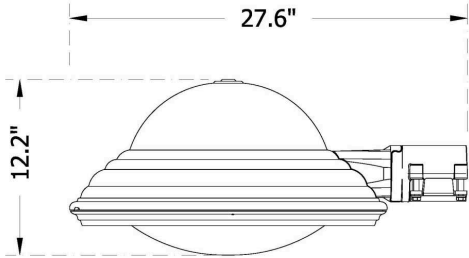
Qty

Type

Catalog / Part Number



E420LED



E420LEDSM

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 E420LED Euro is a 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: .57 (ft²) | WEIGHT: 36 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

E420LED: Downlight, Large Euro
E420LEDSM: Downlight, Large Euro, Side Mount

Lens

- FL: Flat Lens
- SG: Sag Glass
- FSG: Frosted Sag Glass
- SV1: Flat SoftVue™ Light Diffused Acrylic
- SV2: Flat SoftVue™ Moderate Diffused Acrylic

Optional Control Receptacle

R7: 7-Pin control receptacle only

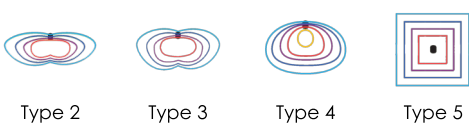
Finish



CCT - Color Temp (K)



Distribution Type



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	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	16L: 16 LEDs 24L: 24 LEDs 32L: 32 LEDs	
CCT - Color Temp (K)	27: 2,700K 35: 3,500K 50: 5,000K	30: 3,000K 40: 4,000K
Distribution Type	T2: Type 2 T4: Type 4	T3: Type 3 T5: Type 5
Driver	MDL008: 120V-277V, 80mA MDH008: 347V-480V, 80mA MDL010: 120V-277V, 100mA MDH010: 347V-480V,100mA MDL011: 120V-277V, 110mA MDH011: 347V-480V,110mA MDL012: 120V-277V, 120mA MDH012: 347V-480V,120mA	

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		E420LED Downlight, Large Euro	16L 16 LEDs	27 2,700K	T2 Type 2	MDL008 120V-277V, 80mA ⁽⁶⁾	FL Flat Lens
1A 1 Arm Mount		E420LED SM Downlight, Large Euro, Side Mount	24L 24 LEDs	30 3,000K	T3 Type 3	MDH008 347V-480V, 80mA ⁽⁶⁾	SG Sag Glass
2A 2 Arm Mount @ 180°			32L 32 LEDs	35 3,500K	T4 Type 4	MDL010 120V-277V, 100mA ⁽⁷⁾	FSG Frosted Sag Glass
2A90 2 Arm Mount @ 90°				40 4,000K	T5 Type 5	MDH010 347V-480V, 100mA ⁽⁷⁾	SV1 Flat SoftVue™ Light Diffused Acrylic
3A 3 Arms @ 120° ⁽¹⁾				50 5,000K		MDL011 120V-277V, 110mA ⁽⁸⁾	SV2 Flat SoftVue™ Moderate Diffused Acrylic
3A90 3 Arms @ 90°						MDH011 347V-480V, 110mA ⁽⁸⁾	
4A 4 Arms @ 90°						MDL012 120V-277V, 120mA ⁽⁹⁾	
1AM 1 Arm MidMount						MDH012 347V-480V, 120mA ⁽⁹⁾	
2AM 2 Arm MidMount @ 180							
SH44 Stem Hung ⁽²⁾							
CH44 Chain Hung ⁽²⁾							
CAT Catenary ⁽²⁾ ⁽³⁾							

- 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 17" Overall Drop Length.

6. 16L system only.

7. 24L system only.

8. 32L system only.

9. 16L or 24L system only.

How to Order

Optional Control Receptacle ⁽¹⁰⁾ ⁽¹¹⁾	Optional Control	Optional Fuse ⁽¹⁴⁾	Optional Hangstraight ⁽²⁾	Optional House Side Shield ⁽¹⁶⁾	Optional Fixed Dimming Resistor Board ⁽¹⁵⁾	Finish
R7 7-Pin control receptacle only	PE Twist-Lock Photocontrol (120V-277V) ⁽¹²⁾ PE4 Twist-Lock Photocontrol (347V-480V) ⁽¹²⁾ SC Shorting Cap ⁽¹²⁾ PEC Electronic Button Photocontrol (120V-277V) ⁽¹³⁾ PEC4 Electronic Button Photocontrol (480V) ⁽¹³⁾	FHD Double Fuse and Holder	SHS Standard Horizontal Hangstraight, Spike Finial SHN Standard Horizontal Hangstraight, No Finial SHB Standard Horizontal Hangstraight, Ball Finial EZ Vertical Hangstraight, Large, "EZ" Mount ⁽¹³⁾	BLOC Back Light Optical Control	FDRB Fixed Dimming Resistor Board	BKT Black Textured ⁽¹⁷⁾ WHT White Textured ⁽¹⁷⁾ PGT Park Green Textured ⁽¹⁷⁾ ABZT Arch Med Bronze Tex ⁽¹⁷⁾ DBT Dark Bronze Textured ⁽¹⁷⁾ CM Custom Match ⁽¹⁸⁾ OI Old Iron ⁽¹⁸⁾ RT Rust ⁽¹⁸⁾ WBR Weathered Brown ⁽¹⁸⁾ CD Cedar ⁽¹⁸⁾ WBK Weathered Black ⁽¹⁸⁾ TT Two Tone ⁽¹⁸⁾ VG Verde Green SI Swedish Iron OWGT Old World Gray Tex

Notes:

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

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

11. Not for use with FDRB.

12. Requires control receptacle.

13. Only for use with CAT mounting configuration
14. Ships loose for installation in base.

15. Not for use with R7.

16. Not for use with T5 optic.

17. Smooth finishes are available upon request.

18. Custom colors require upcharge.

Specifications

Housing	The housing is constructed utilizing precision cast aluminum parts.
Recommended Arms	This Modern Classic luminaire pairs well with the variety of arms: 91W, R2, OA and CA An assortment of alternate arms are available to suit any application. 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 (HSX) 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
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)
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.
Lens	Optional glare reducing SoftVue™ lens provides optimal visual comfort. Uses a .125" thick acrylic lens. Offered in clear (FL), Soft Vue Medium Diffused Acrylic (SV1) or Soft Vue Heavy Diffused Acrylic (SV2). Also available with .188" thick glass lens. Sag Glass (SG) or Frosted Sag Glass (FSG)
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 FL 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
32L40T_-MDL011	12435	B2U0G2	136.6	11090	B2U0G2	121.9	11770	B2U0G2	129.3	12255	B3U0G2	134.7	91
32L30T_-MDL011	11855	B2U0G2	130.3	10575	B2U0G2	116.2	11220	B2U0G2	123.3	11685	B3U0G2	128.4	91
32L27T_-MDL011	11470	B2U0G2	126.0	10230	B2U0G2	112.4	10855	B2U0G2	119.3	11305	B3U0G2	124.2	91
24L40T_-MDL012	9915	B2U0G2	134.0	9010	B2U0G2	121.8	9355	B2U0G2	126.4	9960	B3U0G1	134.6	74
24L30T_-MDL012	9455	B2U0G2	127.8	8590	B2U0G2	116.1	8920	B2U0G2	120.5	9495	B3U0G1	128.3	74
24L27T_-MDL012	9145	B2U0G2	123.6	8310	B2U0G2	112.3	8630	B2U0G2	116.6	9185	B3U0G1	124.1	74
24L40T_-MDL010	8530	B2U0G2	137.6	7785	B2U0G2	125.6	8095	B1U0G2	130.6	8580	B3U0G1	138.4	62
24L30T_-MDL010	8135	B2U0G2	131.2	7425	B2U0G2	119.8	7720	B1U0G2	124.5	8180	B3U0G1	131.9	62
24L27T_-MDL010	7870	B2U0G2	126.9	7180	B2U0G2	115.8	7465	B1U0G2	120.4	7915	B3U0G1	127.7	62
16L40T_-MDL012	6735	B1U0G1	132.1	6085	B1U0G1	119.3	6400	B1U0G2	125.5	6690	B3U0G1	131.2	51
16L30T_-MDL012	6420	B1U0G1	125.9	5800	B1U0G1	113.7	6100	B1U0G2	119.6	6380	B3U0G1	125.1	51
16L27T_-MDL012	6210	B1U0G1	121.8	5615	B1U0G1	110.1	5905	B1U0G2	115.8	6170	B3U0G1	121.0	51
16L40T_-MDL008	4645	B1U0G1	136.6	4245	B1U0G1	124.9	4365	B1U0G1	128.4	4705	B2U0G1	138.4	34
16L30T_-MDL008	4430	B1U0G1	130.3	4045	B1U0G1	119.0	4160	B1U0G1	122.4	4485	B2U0G1	131.9	34
16L27T_-MDL008	4285	B1U0G1	126.0	3915	B1U0G1	115.1	4025	B1U0G1	118.4	4340	B2U0G1	127.6	34

Recommended Arms

An assortment of alternate arms are also available



(91W) Arm



(R2) Arm



(OA) Arm



(CA) Arm

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)

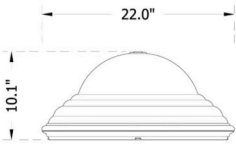


Standard Horizontal Hangstraight, No
Finial (HSHN)

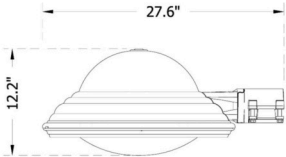


"EZ" Vertical hangstraight (EZ)

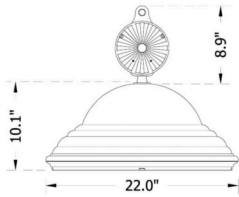
Dimensions



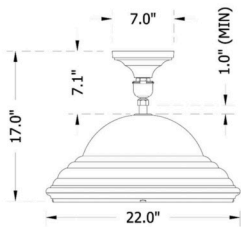
Downlight, Euro Large
(E420LED)



Downlight, Euro Large, Side Mount
(E420LED SM)

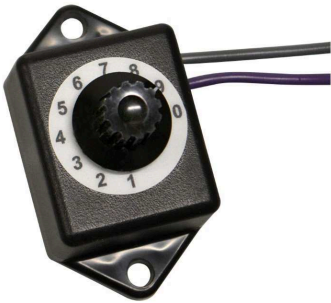


Catenary Mount (CAT)



Stem Hung/Chain Hung (SH44/CH44)

Options



Fixed Dimming Resistor Board
(FDRB)



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



Back Light Optical Control
(BLOC)