

E420LED EURO SERIES



E420LED

The luminaire shall be medium / large scale, contemporary architectural downlight fixtures provided with LED light sources and roof mounted, down-lighting optics. The LED fixture is water tight and dust tight rated to IP65. The luminaire shall be 22" in diameter and 10" to 12" overall height. The luminaire shall be U.L. or E.T.L. listed in U.S. and Canada. The E420 is available with flat or sag lens.



ORDERING EXAMPLE: 2A-E420LED-FL-21L45T5-MDL14/HS-V/PTM/CA6/3320P5/BKT

BUILD A PART NUMBER											
Mounting Config.	Fixture	Lens	LED	CCT	Type	Driver	Mounting	Options	Arm	Pole	Finish
2A	E420LED	FL	21L	45	T5	MDL14	HS-V	PTM	CA6	3320P5	BKT

EPA = 0.94 (ft²)
WEIGHT = 50 LBS

Mounting Configuration*

- 1W 2A 3A90 2AM
 PT 2A90 4A
 1A 3A 1AM

A = Arm Mount AM = Arm Mid-Mount W = Wall Mount
*See Mounting Configuration Sheet

Fixtures

- E420LED

Lenses

- FL SV2 FSG
 SV1 SG

LED

- 16L 21L 28L

CCT - Color Temperature (K)

- 50(00) 45(00) 35(00)

Type

- T2 T3 T4 T5

Drivers

- Volts** **mA**
 MDL (120-277) 14¹
 MDH (347-480) 10²

28 and 21 LED only ²21 and 16 LED only

Mounting

- HS-V Vertical Hangstraight
 HS-HB Horizontal Hangstraight - Ball Finial
 HS-HS Horizontal Hangstraight - Spike Finial
 HS-HN Horizontal Hangstraight - No Finial
 HS-CB Clamp Style Hangstraight - Ball Finial
 HS-CS Clamp Style Hangstraight - Spike Finial
 HS-CN Clamp Style Hangstraight - No Finial

Options

- FHD Dual Fuse and Holder
 PTM Post Top Module - Intellistreets

Standard Finishes*

- BKT Black Textured
 WHT White Textured
 PGT Park Green Textured
 ABZT Architectural Medium Bronze Textured
 DBT Dark Bronze Textured

* Smooth finishes are available upon request

Custom Finishes

- OI Old Iron
 RT Rust
 WBR Weathered Brown
 CD Cedar
 WBK Weathered Black
 TT Two Tone

Sternberg Select Finishes

- VG Verde Green
 SI Swedish Iron
 OWGT Old World Gray Textured

Specifications

Mounting

The E420/SM shall have a side arm mounted adapter that fits a standard 2-3/8" O.D. tenon or arm. The E420 shall be available with a direct side mount or pendent arm mount configuration.

Driver

The driver assembly shall be remote mounted. It can be mounted in an arm, pole, base or canopy.

Light Sources

The luminaire shall use high output, high brightness LEDs. The LEDs shall be mounted in arrays, on printed circuit boards designed to maximize heat transfer to the heat sink surface. The LEDs shall be attached to the printed circuit board with not less than 90% pure silver to insure optimal electrical and thermal conductivity. The LEDs and printed circuit boards shall be protected from moisture and

corrosion by a conformal coating of 1 to 3 mils. The LEDs and printed circuit board construction shall be environmentally friendly and 100% recyclable. 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.

Optics

The luminaire shall be provided with individual acrylic refractor, type optics applied to each LED. The luminaire shall provide Type _____ (2, 3, 4 or 5) light distribution per the IESNA classifications. Testing will be done in accordance with IESNA LM-79. E420 is offered with a clear flat lens (FL), flat medium diffuse acrylic (SV1), flat heavy diffuse acrylic (SV2), clear sag glass (SG), and frosted sag glass (FSG) lenses.

Controls Options

PTM - Intellistreets Post Top Module

Integrated audio and lighting control technology that includes on/off and dimming, colored flashers, integrated speaker, wireless mesh network, optional add-on functionality for way-finding and security. Consult factory for details and pricing.

Performance

The LEDs and LED driver shall operate over a -40°C (-40°F) to +50°C (122°F) ambient air temperature range. The High Performance white LEDs will have a life expectancy of approximately 100,000 hours with not less than 70% of original brightness (lumen maintenance), rated at 25°C ambient. The High Brightness, High Output LEDs shall be 4500K (3500K or 5000K option) color temperature with a typical of 75 CRI. 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).

Electronic Drivers

The driver shall be U.L. Recognized. The driver shall have overload as well as short circuit

See next page

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protection. The driver shall be a DC voltage output, constant current design, 50/60HZ. The driver accepts input voltage from 120-277 (MDL). Optional 347-480 (MDH). The driver is dimmable using 0-10V signal. 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 luminaire shall be supplied with line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. The LED driver shall be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections and fixture installation.

Warranty

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

Suggested Arms

See Arms & Wall Brackets specification sheets

- | | | | |
|------------------------------|------------------------------|------------------------------|------------------------------|
| <input type="checkbox"/> CA | <input type="checkbox"/> CCA | <input type="checkbox"/> FFA | <input type="checkbox"/> GRA |
| <input type="checkbox"/> CAF | <input type="checkbox"/> CSA | <input type="checkbox"/> OB | <input type="checkbox"/> SMA |
| <input type="checkbox"/> CAS | <input type="checkbox"/> DA | <input type="checkbox"/> RA | <input type="checkbox"/> 478 |
| <input type="checkbox"/> CBA | <input type="checkbox"/> DAG | <input type="checkbox"/> RSA | <input type="checkbox"/> 678 |

Poles

See Pole specification sheets.

Finish

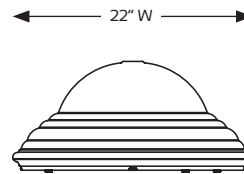
Refer to website for details.

Performance

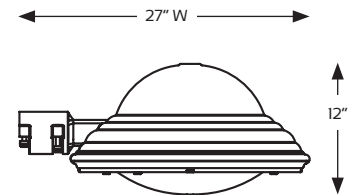
Initial Delivered Lumens (FL Lens)

Light Source	T2	T3	T4	T5	Watts
28L50-MDL14	11735	11730	11325	12605	133
28L45-MDL14	10895	10895	10515	11705	133
28L35-MDL14	10055	10055	9705	10805	133
21L50-MDL14	9020	9190	8935	10130	107
21L45-MDL14	8375	8535	8295	9405	107
21L35-MDL14	7730	7880	7660	8685	107
21L50-MDL10	7205	6825	6675	7340	73
21L45-MDL10	6690	6340	6200	6815	73
21L35-MDL10	6175	5850	5720	6290	73
16L50-MDL10	5460	5255	5170	5780	55
16L45-MDL10	5070	4880	4800	5370	55
16L35-MDL10	4680	4505	4430	4955	55

Fixtures



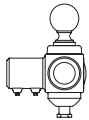
E420LED/FL
E420LED/SV1
E420LED/SV2



E420LED/SG/SM
E420LED/FSG/SM
Side Mount

Hangstraights

8-1/4" W x 10-5/8"H



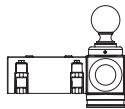
HS-HB
Horizontal

4" W x 4-7/8"H



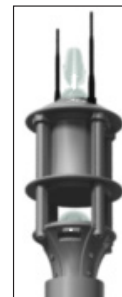
HS-V
Vertical

12-1/2" W x 10-5/8"H



HS-CB
Clamp

Intellistreets PTM - Post Top Module



SternbergLighting

ESTABLISHED 1923 / EMPLOYEE OWNED

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