

SERIES I (CPLI)

The CAST Perimeter® CPL1 Lights are an advanced design in safe low-voltage LED lighting. The CPL1 delivers quality light on your perimeter, and will increase the effectiveness of your CCTV systems. The lights attach directly to your fence and are available in 4 light intensity settings with a wall pack option.

PRODUCT SPECIFICATIONS

AMBIENT TEMPERATURE RANGE (OPERATING)

40°C to +55°C

VOLTAGE INPUT

FIXTURES

12 to 26 volts AC/DC

TRANSFORMERS

Both 120V / 277V and European 220V / 240V models available.

THERMAL MANAGEMENT

Passive thermal transfer through integrated components in physical contact with thermal pads and luminaire components.

COMPONENT SELECTION

No electrolytic capacitors in drive circuit; components rated for high-temperature long life.

SURGE & SPIKE PROTECTION

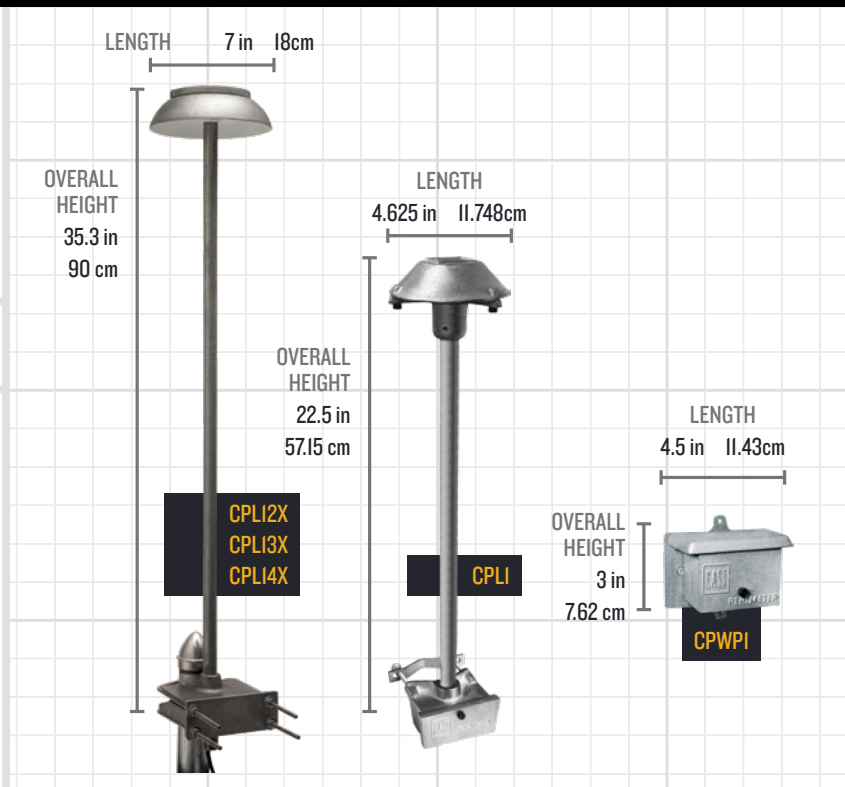
Voltage suppression for transient spikes and surges for voltages over 40V.

MOISTURE PROTECTION

Encapsulated driver in thermally conductive epoxy, borosilicate dome to protect LEDs.

ELECTROMAGNETIC INTERFERENCE PREVENTION

Compliance with FCC Class B Conducted & Radiated.



MOUNTING, CONTROL, & SECURITY OPTIONS

CPLI SERIES MOUNTING

CPLI: Fence light attaches to top of round fence posts up to 3" diameter; Offset Bracket (CPLOSB) available for situations where CPL1 must be mounted below fence top or for other offset needs. **Custom brackets available for square, I Beam, and other fence posts.**

CPL12X, CPL13X, CPL14X: Fence light attaches to top of fence posts up to 4" diameter; Offset Bracket (CPLOSB2) available for situations where CPL1XX must be mounted below fence top or for other offset needs.

CPWP1: Mounting tabs at top and bottom used for Flush mounting on wall or other surface; mounting holes in back plate align with standard mounting tabs on single gang junction box.

TRANSFORMER

24, 26 Volt 300, 600VA, 24V, 26V, 28V, 30V 1200VA 50/60 HZ single phase. Available in 120V / (277V 1200VA Only) European 220V / 240V.

THIRD PARTY INTEGRATION

Specify dry contact/power signal control circuit.

SERIES I (CPLI)

DIMENSIONS & CONSTRUCTION FOR CPLI

| | |
|--|--|
| LED PERIMETER FENCE LIGHT CPLI | 22.5" (57.15cm) tall x 4.625" (11.748cm) wide. Eurometal hat, vase, and base; galvanized steel stem; aluminum saddle bracket; zinc-plated bolts; borosilicate glass LED enclosure. |
| LED PERIMETER FENCE LIGHT HIGH-POWER • CPLI2X, CPLI3X, CPLI4X | 35.3" (90cm) tall x 7" (18cm) wide. Eurometal hat, vase, and base; galvanized steel stem; stainless steel saddle bracket; stainless steel bolts; borosilicate glass LED enclosure. |
| LED PERIMETER WALL PACK LIGHT CPWPI | 3" (7.62cm) tall x 4.5" (11.43cm) wide. Eurometal body, borosilicate glass LED enclosure; mounts to standard one gang junction box. |

PHOTOMETRIC & ELECTRICAL DATA FOR CPLI

| NAME (MODEL #) | LIGHT SOURCE | COLOR TEMP (CCT) K° | COLOR RENDERING INDEX (CRI) | LUMEN MAINTENANCE (L70) (HRS) | INPUT VOLTAGE (V) | INPUT POWER (WATTS) | POWER FACTOR (PF) | APPARENT POWER (VA) | LUMINAIRE LUMENS AT 24V AC | HORIZONTAL LUX BETWEEN FIXTURES AT 20FT SPACING 10FT. OFF-GRADE/LUX AT 12FT. FROM FENCE |
|---|---------------------|-----------------------|-----------------------------|-------------------------------|-------------------|---------------------|-------------------|---------------------|-------------------------------------|---|
| LED Perimeter Wall Pack Light (CPWP1) | (3) Cree XTE Array | 4,500°K Neutral White | 76 | 66,500 | 12-26 AC/DC | 7.0 | 0.81 | 8.64 | 346 | At Wall 4.88 lux, 12 ft. 1.88 lux |
| LED Perimeter Fence Light (CPL1) | (3) Cree XTE Array | | | | | 7.0 | 0.81 | 8.64 | 252 | At Fence 4.53 lux, 12 ft. 1.75lux |
| LED Perimeter Fence Light (2X Power) (CPL12X) | (6) Cree XTE Array | | 70 | | | 14.0 | 0.81 | 17.28 | 764 | At Fence 11.45 lux, 12 ft. 2.54 lux |
| LED Perimeter Fence Light (3X Power) (CPL13X) | (9) Cree XTE Array | | 21.0 | | | 0.81 | 25.92 | 1115 | At Fence 16.38 lux, 33 ft. 3.89 lux | |
| LED Perimeter Fence Light (4X Power) (CPL14X) | (12) Cree XTE Array | | 28.0 | | | 0.81 | 34.56 | 1500 | At Fence 23.4 lux, 12 ft. 9.7 lux | |

IESNA Cut-Off Classification: Full-Cutoff (0% above Nadir); Dark-Sky Compliant (MLO) for reduction of light pollution and light trespass.

Contact CAST Perimeter for full photometrics, calculators and kit information.

* Please note: If powering fixture with DC power consumed watts will increase by 25% and lumens will increase by 10%.

LISTINGS & CERTIFICATIONS FOR CPLI

All CAST LED Lights: Conform to: UL Std's. 1838 & 8750; CE; Certified to CAN/CSA Standards C22.2 No. 250.0 & C22.2 No. 250.13. Suitable for wet locations. FCC Class B Conducted and Radiated. RoHS. IP66 Rated. Full LM-79 report & AGI32 Lux files available.

CONTACT US

For more information, site estimates, kit choices, and pricing.

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Patents: US Patent 8,845,124; 9,360,197; 9,593,832; 9,777,909; 9,648,688; Intl Patents; Other Patents Pending.

GSA Advantage! www.gsaAdvantage.gov
Contract #GS-07F-183CA.

Cast Perimeter® is a division of CAST Lighting which specializes in the research, innovation and manufacturing of low voltage LED lighting solutions.