SERIES 2 (CPL2)

The CAST Perimeter® CPL2 Lights are an advanced design in safe low-voltage LED lighting. The CPL2 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 with a wall pack option.

PRODUCT SPECIFICATIONS

AMBIENT TEMPERATURE RANGE (OPERATING)

-40°C to +55°C

VOLTAGE INPUT

FIXTURES
Optimal Operating Range: 17-26 VDC

POWER SUPPLY
The power supply comes in a 600W, 1200W, and 1200W with 3rd party interface capability. It is auto sensing for power from 120VAC - 277VAC.

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.
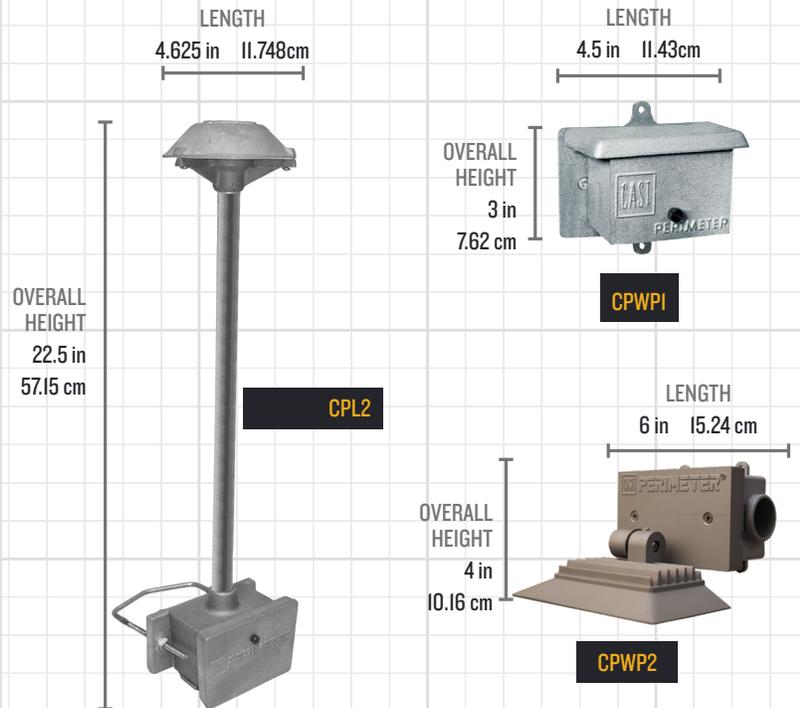
MOISTURE PROTECTION

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

ELECTROMAGNETIC INTERFERENCE PREVENTION

Compliance with FCC Class B Conducted & Radiated.

RECOMMENDED SPACING

20 Feet.

LENGTH 4.625 in 11.748cm
OVERALL HEIGHT 22.5 in 57.15 cm
CPL2

LENGTH 4.5 in 11.43cm
OVERALL HEIGHT 3 in 7.62 cm
CPWP1

LENGTH 6 in 15.24 cm
OVERALL HEIGHT 4 in 10.16 cm
CPWP2

MOUNTING, CONTROL, & SECURITY OPTIONS

CPL2 SERIES MOUNTING

CPL2: Fence light attaches to top of round fence posts 1.25" to 4.55" diameter; Offset Bracket (CPLOSB) available for situations where CPL1 must be mounted below fence top or for other offset needs. **Custom fence post bracket mounts available.**

CPWP1 & CPWP2: Mounting tabs for flush mounting on wall or other surface; mounting holes in back plate align with standard mounting tabs on single gang junction box (Carlon Box Model #E979DFN).

THIRD PARTY INTEGRATION

Third party security integration is available with the CPT1200DCAI power supply. This can control the lights to turn on or off, strobe and then stay on, or stay off. Two setting options are available.

SERIES 2 (CPL2)

DIMENSIONS & CONSTRUCTION FOR CPL2

LED PERIMETER FENCE LIGHT
CPL2

22.5" (57.15cm) tall x 4.625" (11.748cm) wide. Eurometal hat, vase, and base; aluminum stem; stainless steeel saddle bracket; stainless steel bolts; borosilicate glass LED enclosure, and quick-mount feature.

LED PERIMETER WALL PACK LIGHTS
CPWP1 & CPWP2

CPWP1: 3" (7.62cm) tall x 4.5" (11.43cm) wide. Eurometal body, borosilicate glass LED enclosure; mounts to standard one gang junction box. CPWP2: 4" (10.16cm) tall x 6" (15.24cm) x 5" (12.7cm) deep. Eurometal body, 3 LED Cree lights, mounts on the wall or fence, and can use the custom mounting plates for fences such as Ameristar, Beta, or standard chain link poles.

PHOTOMETRIC & ELECTRICAL DATA FOR SERIES 2

NAME (MODEL #)	LIGHT SOURCE	COLOR TEMP (CCT) K°	COLOR RENDERING INDEX (CRI)	LUMEN MAINTENANCE (L70) (HRS)	INPUT VOLTAGE (V)	INPUT POWER (WATTS)	LUMINAIRE LUMENS AT 17V DC	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 +/- 250° K	80	66,500	17-26 AC/DC	8.2	436	At wall 8' off grade 7.9 Lux / 12 feet 3.0 Lux
LED Perimeter Wall Pack Light (CPWP2)	(3) Cree XTE Array		72			13.07	1382	At wall 10' off grade 5.33 Lux / 12 feet 17.25 Lux / 24 feet 5.12 Lux
LED Perimeter Fence Light (CPL2)	(3) Cree XTE Array		80			8.2	522.6	At fence 9.38 Lux / 12 feet 3.0 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 or visit our engineering library at www.cast-lighting.com/perimeter-engineering-library for a complete inventory of information and documentation.

LISTINGS & CERTIFICATIONS FOR CPL2

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; 9,593,832; 9,777,909; Intl Patents; Other Patents Pending.

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

Patented Product. See www.cast-lighting.com/patents for a complete list of applicable patents for this and other CAST Lighting products, see www.cast-lighting.com/patents