CAST LIGHTING LLC.

PERIMETER™

LED SECURITY LIGHTING SOLUTIONS

CAST Perimeter™ Series lighting systems are constructed of the highest quality materials, delivering a rugged system that is moisture and dust resistant and can operate in austere environments of -40ºC to 55ºC. Incorporating a patented design, CAST LED Perimeter™ lights provide not only up to 85% in energy savings compared to other systems, but also deliver maintenance-free operation for an expected 10 years.

The safe, low-voltage system is easily installed by anyone, and provides reliable Dark Sky-compliant illumination directed on and around the fence line where it's needed.

Fully customizable to any need or terrain, the CAST Perimeter™ Series lighting systems deliver quality light on your perimeter, and increase the effectiveness of your CCTV systems.

✓ **Safe 24-Volt System**

✓ **Quality Cree® LED's**

✓ **60,500 Hr. Life (L70)**

✓ **Dust & Moisture Resistant**

✓ **Surge & Spike Protected**

✓ **4 Available Intensity Settings**

Contract #GS-07F-183CA

www.cast-lighting.com

Ph: 973•423•2303 Fax: 973•423•2304

Specifications

Operational Features

Ambient Temperature Range (Operating): -40ºC to +55ºC

Voltage Input: Fixtures: 12 to 24 volts AC/DC; Transformers: Both 120V and 220/240V 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 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.

Dimming: Units are not dimmable.

Mounting, Control, and Security Options

Mounting:
CPL1: Fence Light attaches to top of 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.
CPL12X, CPL13X, CPL14X: Fence Light attaches to top of fence posts up to 4" diameter; Offset Bracket (CPLOSB2) available for situations where CPL1 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 singly gang junction box.

Control: 24-volt (300VA or 600VA) CAST Perimeter Lighting Transformers (CPT300, CPT600, E1CPT300 and E1CPT600) have built-in manual timers that can be combined with optional photocells (CTPC) or external control units to tie into existing control system.

Security: Vandal-proof hardware and hard-wired security line through conduit can deter theft of luminaires and alert owners via security system. Call for sources and options.
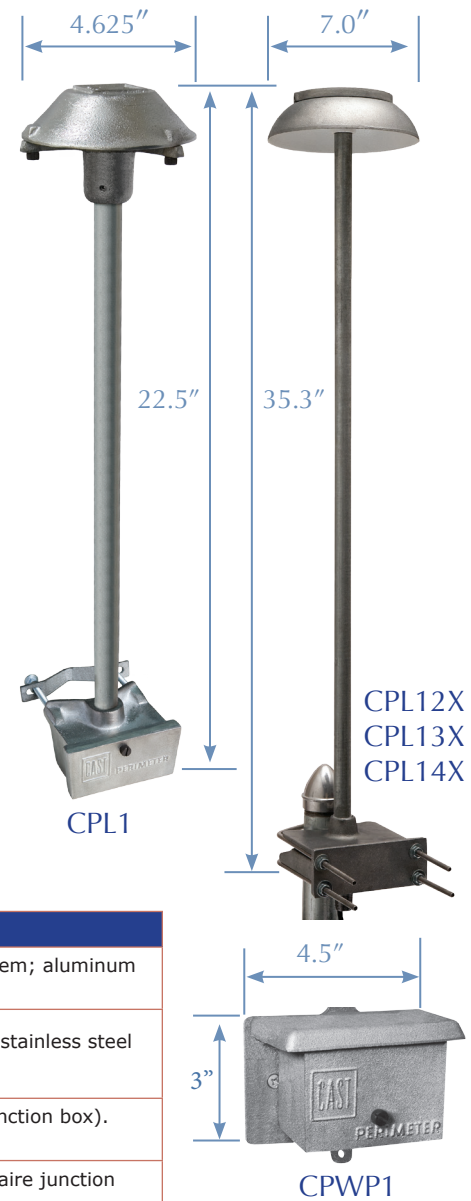
Sustainability & Replaceability

Sustainabable: CAST fixtures are designed for a lifetime of use. Cast-metal components are sand-cast in CAST Lighting's own foundry that incorporates trimmings into new product. Nothing is discarded.

Replaceable and Upgradable: All parts of the CAST LED Perimeter Lights are replaceable and upgradeable. Should the LED array or driver fail, then the body or base can be replaced or repaired in the field without special tools or training. New technology can be incorporated into the fixture in the future.

CPL1

CPL12X
CPL13X
CPL14X

CPWP1

Dimensions & Construction

LED Perimeter Fence Light (CPL1)	22.5" tall x 4.625" wide. Eurometal hat, vase, and base; galvanized steel stem; aluminum saddle bracket; zinc-plated bolts; borosilicate glass LED enclosure.
LED Perimeter Fence Light (Higher Power) (CPL12X, CPL13X, CPL14X,)	35.3" tall x 7" 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 (CPWP1)	4.5" wide x 3" tall x 3" deep (matches plate size of single-gang electrical junction box). Eurometal body; borosilicate glass LED enclosure; stainless steel hardware.

Fixture Lead Wires (All): (2) 4" Tin-Coated Marine-Grade #20 AWG wires for connections to be made inside luminaire junction box. Parallel crimp connectors included.

Photometric & Electrical Data

Name (Model #)	Light Source	Color Temp (CCT) (ºK)	Color Rendering Index (CRI)	Lumen Maintenance (L70) (Hrs)	Input Voltage (V)	Input Current (A)	Input Power (W)	Power Factor (pf)	Apparent Power (VA)	Luminaire Lumens (Lm)	Maximum Candela (CBCP)
LED Perimeter Wall Pack Light (CPWP1)	(3) Cree XTE Array	4,450ºK Neutral White	77	66,500	12-24 AC/DC	0.38	7.0	0.82	8.5	490	138
LED Perimeter Fence Light (CPL1)	(3) Cree XTE Array					0.38	7.0	0.82	8.5	265	90
LED Perimeter Fence Light (2X Power) (CPL12X)	(6) Cree XTE Array					0.76	14.0	0.82	17.1	960	276
LED Perimeter Fence Light (3X Power) (CPL13X)	(9) Cree XTE Array					1.14	21.0	0.82	25.6	1440	414
LED Perimeter Fence Light (4X Power) (CPL14X)	(12) Cree XTE Array					1.52	28.0	0.82	34.1	1900	552

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

Contact CAST for photometrics, calculators and kit information.

Listings & Certifications

All CAST LED Lights: Conform to: UL Std's. 1838 & 8750; CE; Certified to CAN/CSA Stds C22.2 No. 250.0 & C22.2 No. 250.13. Suitable for wet locations. FCC Class B Conducted and Radiated. RoHS