

GENERATION 3 SERIES (CPL3)

CAST Perimeter® Security Lighting GEN 3 is the world's most sophisticated LED Security Lighting Solution. It's the most advanced design on the market delivering light distribution up to 120' diameter and available in four different light levels.

The GEN 3 (CPL3) attaches directly to fence posts and can be integrated with 3rd party security systems. Install CPL3 with our Flash Glare™ option and force intruders out.

PRODUCT SPECIFICATIONS

AMBIENT TEMPERATURE RANGE (OPERATING)

-40°C to +55°C

VOLTAGE INPUT

FIXTURES

12 to 26 volts AC/DC

TRANSFORMERS

120V / 208V / 230V / 277V and European 220V / 240V models available. For more information please call.

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

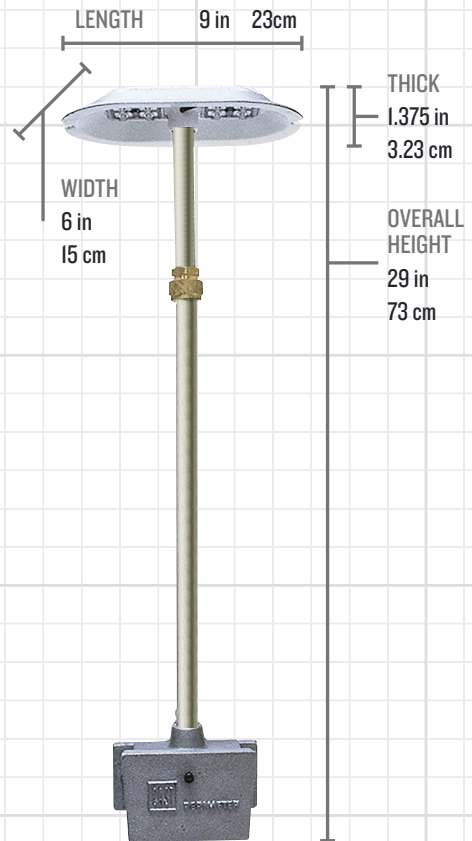
Voltage suppression for transient spikes and surges for voltages over 40V.

MOISTURE PROTECTION

Encapsulated driver in thermally conductive epoxy, sealed PMMA 8N Plexiglas Optic to protect LEDs.

ELECTROMAGNETIC INTERFERENCE PREVENTION

Compliance with FCC Class B Conducted & Radiated.



MOUNTING, CONTROL, & SECURITY OPTIONS

CPL3 SERIES MOUNTING

Easy install two part mount attaches to any round fence post from 1.5" O.D. (3.81cm) to 4.5" O.D. (11.4cm). **Custom fence post bracket mounts available.**

BEAM ANGLE ADJUSTMENT

Fixture easily adjusts to 22° off vertical to accommodate any grade condition using a ball joint style adjustment knuckle. (Requires 1 1/4" wrench)

TRANSFORMER

24, 26 Volt 300, 600VA, 24V, 26V, 28V, 30V 1200VA 50/60 HZ single phase. Available in 120V / 208V / 230V / 277V and European 220V / 240V models available.

THIRD PARTY INTEGRATION

Specify dry contact/power signal control circuit.

RECOMMENDED SPACING

20 Feet & 30 Feet

GENERATION 3 SERIES (CPL3)

DIMENSIONS & CONSTRUCTION FOR CPL3

LED PERIMETER FENCE LIGHT

CPL38, CPL312, CPL316, CPL325

29" (73cm) tall x 6" (15cm) wide x 9" long (23cm). Top thickness 1.375" (3.23cm) Eurometal hat and base junction box; schedule 40 aluminum stem; stainless steel 5/16" saddle bracket, bolts and washer; PMMA 8N Plexiglas LED optic enclosure. Cable piercing wire quick-connect splice kit (CPQC1) included.

CUSTOM STEM LENGTHS

Standard stem length is 24" (61cm) customer can order customized stem length by adding a dash at the end of the model number indicating the desired pipe length by the inch up to a maximum of 40" (101.5 cm) at extra cost. EX: CPL325-30 = 30" stem.

PHOTOMETRIC & ELECTRICAL DATA FOR CPL3

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 2FT. OFF-GRADE/LUX AT 33FT. FROM FENCE
Gen 3 LED Perimeter Fence Light (CPL38)	(4) Cree XPG2	4,500° K Neutral White +/- 250° K	70	63,500	12-26 AC/DC	8.0	0.87	9.19	830	At Fence 6.58 lux, 33 ft. 2.71 lux
Gen 3 LED Perimeter Fence Light (CPL312)	(4) Cree XPG2					13.0	0.88	14.77	1163	At Fence 9.29 lux, 33 ft. 3.83 lux
Gen 3 LED Perimeter Fence Light (CPL316)	(8) Cree XPG2					16.0	0.86	18.60	1562	At Fence 12.93 lux, 33 ft. 5.0 lux
Gen 3 LED Perimeter Fence Light (CPL325)	(8) Cree XPG2					25.0	0.87	29.88	2191	At Fence 17.08 lux, 33 ft. 7.10 lux

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

Photometrics, calculators and pre-engineered 80ft, 250 ft., 500 ft., 750 ft. 20 ft. & 30 ft. spacing kit information available.

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

LISTINGS & CERTIFICATIONS FOR CPL3

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. Full LM-79 report and 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.

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