

GENERATION 3 SERIES (CPL3)

CAST Perimeter® Security Lighting GEN 3 is the world's most sophisticated low voltage LED Security Lighting Solution. It's the most advanced design on the market delivering light distribution up to 120' diameter, available in four different light levels. The GEN 3 Night Owl series is available in a field tunable infrared in 850nm and 950nm.

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.

Using Flash Glare® with your 3rd party solutions is the ONLY solution on the market today where you can both identify an intruder is approaching AND chase them away without human intervention.

PRODUCT SPECIFICATIONS

AMBIENT TEMPERATURE RANGE (OPERATING)

-40°C to +55°C

VOLTAGE INPUT

FIXTURES

17 to 26 volts DC

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, sealed PMMA 8N Plexiglas Optic to protect LEDs.

ELECTROMAGNETIC INTERFERENCE PREVENTION

Compliance with FCC Class B Conducted & Radiated.

NEW 180° DEGREE OPTIC

Three Models:

CPL38-180

CPL312-180

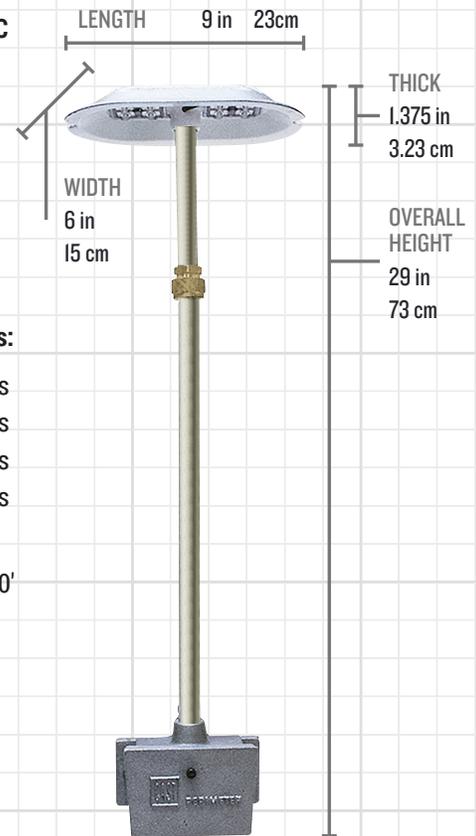
CPL316-180

Option of four light levels:

- 11 Watts, 1172 Lumens
- 18 Watts, 1662 Lumens
- 22 Watts, 2229 Lumens
- 33 Watts, 3064 Lumens

All options project 50' on each side of fence for 100' illumination.

Light intensity is the difference. See lumen levels on page 2.



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 and extended light pole height available.**

BEAM ANGLE ADJUSTMENT

Fixture easily adjusts to 20° off vertical to accommodate any grade condition using a ball joint style adjustment knuckle. (Requires 1 1/4" wrench)

THIRD PARTY INTEGRATION

Third party integration is with the CPT1200DCAI Power Supply.

RECOMMENDED SPACING

20 Feet & 30 Feet

GENERATION 3 SERIES (CPL3)

DIMENSIONS & CONSTRUCTION FOR CPL3

LED PERIMETER FENCE LIGHT - 360° OPTIC

CPL38, CPL312, CPL316, CPL325

LED PERIMETER FENCE LIGHT - 180° OPTIC

CPL38-180, CPL312-180, CPL316-180

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 CPL3-360° AND CPL3-180°

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 12FT. OFF-GRADE/LUX AT 30FT. FROM FENCE
Gen 3 LED 360° Perimeter Fence Light (CPL38)	(4) Cree XPG2	4,500°K Neutral White +/- 250° K	80	55,000	17-26 AC/DC	11.0	1172	At Fence 19.05 Lux / At 30 ft. from fence 4.05 Lux
Gen 3 LED 180° Perimeter Fence Light (CPL38-180)	(4) Cree XPG2	4,500°K Neutral White +/- 250° K	80	55,000	17-26 AC/DC	11.0	1283	Fixture @ 10ft off grade. 15° tilt off horizontal. At fence 8.2 Lux / at 30ft from fence 10.36 Lux
Gen 3 LED 360° Perimeter Fence Light (CPL312)	(4) Cree XPG2	4,500°K Neutral White +/- 250° K	80	55,000	17-26 AC/DC	18.0	1662	At Fence 13.2 Lux / At 30 ft. from fence 5.84 Lux
Gen 3 LED 180° Perimeter Fence Light (CPL312-180)	(4) Cree XPG2	4,500°K Neutral White +/- 250° K	80	55,000	17-26 AC/DC	18.0	1821	Fixture @ 10ft off grade. 15° tilt off horizontal. At fence 12.8 Lux / at 30ft from fence 14.64 Lux
Gen 3 LED 360° Perimeter Fence Light (CPL316)	(8) Cree XPG2	4,500°K Neutral White +/- 250° K	80	55,000	17-26 AC/DC	22.0	2229	At Fence 22.32 Lux / At 30 ft. from fence 6.66 Lux
Gen 3 LED 180° Perimeter Fence Light (CPL316-180)	(8) Cree XPG2	4,500°K Neutral White +/- 250° K	80	55,000	17-26 AC/DC	22.0	2386	Fixture @ 10ft off grade. 15° tilt off horizontal. At fence 18.11 Lux / at 30ft from fence 17.83 Lux
Gen 3 LED 360° Perimeter Fence Light (CPL325)	(8) Cree XPG2	4,500°K Neutral White +/- 250° K	80	55,000	17-26 AC/DC	33.0	3064	At Fence 29.87 Lux / At 30 ft. from fence 8.92 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, or visit our engineering library at www.cast-lighting.com/perimeter-engineering-library for a complete inventory of information and documentation.

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.

EMAIL perimeter@cast-lighting.com

ONLINE cast-lighting.com/perimeter

PHONE 973.423.2303

ADDRESS 1120-A Goffle Rd,
Hawthorne, NJ 07506

FAX 973.423.2304

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