

Project		Catalog #		Type	
Prepared by		Notes		Date	



Fail-Safe

G12

12" Square Vandal Resistant
15/20/25/30 Watt
Surface
Polycarbonate Clear Prismatic or Opal Lens

Typical Applications

Canopies • Corridors • Dormitories • Public restrooms • Loading Docks • Locker Rooms • Schools • Behavioral Health Facilities

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Product Certification



Product features



Top Product Features

- Available from 15 to 30 watts
- IP65 Rated
- UL Wet Location Listed
- Opal and clear polycarbonate lens
- Up to 3,750 delivered lumens
- Choose from perimeter paint and eyelid options
- Emergency driver available
- Photocontrol and occupancy sensor available
- Shallow casting optional for surface conduit



Standard-No Paint

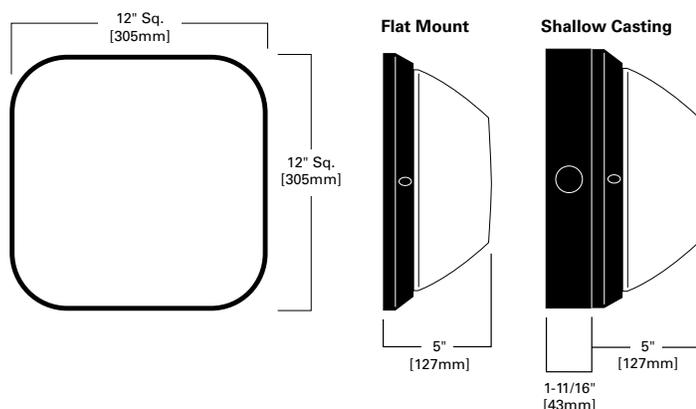


PP=Perimeter Paint



E=Eyelid

Dimensional and Mounting Details



Approximate Delivered Lumens

Wattage		OPEN	EYELID
15	Clear	1700	1125
	Opal	1275	850
20	Clear	2525	1650
	Opal	1850	1250
25	Clear	2650	1750
	Opal	2000	1350
25	Clear	3750	2500
	Opal	2800	1850

Note: Refer to LM-79 data for exact lumen output, input wattage and distribution.

Order Information

SAMPLE ORDER NUMBER: G12-PP-BLK-LD4-15W-35-CL-277-EDD1-EL5W/CSTG/BLK

Domestic Preferences ⁽¹⁾	Product Family	Lens Configuration	Lens Paint Color	LED	Wattage ⁽⁵⁾
[Blank] =Standard BAA =Buy American Act	G12 =12" Square ^{(1),(2)}	[Blank] =No lens paint (perimeter or eyelid) PP =Perimeter paint (lens) E =Eyelid (paint upper half of lens)	[Blank] =No lens paint (perimeter or eyelid) ⁽⁴⁾ BLK =Black WHT =White BZ =Bronze GRY =Gray DP =Dark Platinum	LD4 =LED Version 4.0	15W =15 Watt ⁽¹¹⁾ 20W =20 Watt 25W =25 Watt 30W =30 Watt
Notes (1) Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.	Notes (1) Default luminaire is flat mount. (2) Standard IP65 rated.		Notes (4) For custom colors, specify RAL # or paint manufacturer catalog #.		Notes (5) See Maximum Ambient Operating/Option Matrix below for option capability and wattage/ambient restrictions. (11) For 15watt with Battery, Occupancy Sensor, or Photocell max ambient 35°C.

Color Temperature	Lens	Voltage	Driver	Options ⁽⁵⁾	Accessories (order separately) ⁽¹³⁾
30 =3000K 35 =3500K 40 =4000K 50 =5000K	CL =Clear OPL =Opal	UNV =120-277V 120V =120 Volt 277V =277 Volt	EDC1 =Electronic Driver, 1 circuit, non-dimming EDD1 =Electronic Driver, 1 circuit, 0-10V, 10% dimming	F1 =Fuse (specify voltage) ⁽¹⁰⁾ CSTG/Color =Shallow Casting ⁽³⁾ PB120V/CSTG/Color =Photocell 120V ^{(3),(9),(10),(11)} PB277V/CSTG/Color =Photocell 277V ^{(3),(9),(10),(11)} EL5W/CSTG/Color =EM driver ^{(3),(6),(7),(10),(11)} NTP =Non-tamperproof hardware OS =Occupancy Sensor, Internal, behind lens (functional only with 120 or 277V) ^{(8),(10),(11)}	VRSD =T20 Center-pin tamper-proof TORX®-head bit VRSB =Vandal Resistant Screw Bit
				Notes (3) Always specify casting (CSTG) paint color (ie: CSTG/BLK) Examples: PB120/CSTG/GRY = gray casting paint (6) Limited maximum 25°C ambient environment. (7) Not available for 25W and 30W. (8) Not available for 30W. (9) 30W limited to maximum 25°C ambient environment (10) Specify voltage for Occupancy Sensor, Fuse, & Photocell. (11) For 15watt with Battery, Occupancy Sensor, or Photocell max ambient 35°C.	Notes (13) Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.

Maximum Ambient Operating / Option Matrix

	15W				20W				25W				30W			
	Flat Mount		Shallow Cast		Flat Mount		Shallow Cast		Flat Mount		Shallow Cast		Flat Mount		Shallow Cast	
	Ceiling	Wall	Ceiling	Wall												
No options	40C	40C	40C	40C												
Fuse	40C	40C	40C	40C												
Photocell	n/a	n/a	40C	40C	n/a	n/a	40C	40C	n/a	n/a	40C	40C	n/a	n/a	25C	40C
Occ Sensor	35C	35C	40C	40C	25C	25C	25C	25C	25C	25C	25C	25C	n/a	n/a	n/a	n/a
Fuse & Photocell	n/a	n/a	40C	40C	n/a	n/a	40C	40C	n/a	n/a	40C	40C	n/a	n/a	25C	25C
Fuse & Occ Sensor	35C	35C	40C	40C	25C	25C	25C	25C	25C	25C	n/a	n/a	n/a	n/a	n/a	n/a
EM	n/a	n/a	35C	35C	n/a	n/a	25C	25C	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
EM & Fuse	n/a	n/a	35C	35C	n/a	n/a	25C	25C	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
EM & Fuse & Photocell	n/a	n/a	35C	35C	n/a	n/a	25C	25C	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
EM & Fuse & Occ Sensor	n/a	n/a	35C	35C	n/a	n/a	25C	25C	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
EM & Photocell	n/a	n/a	35C	35C	n/a	n/a	25C	25C	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
EM & Occ Sensor	n/a	n/a	35C	35C	n/a	n/a	25C	25C	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Lens Lifetime Warranty

Fail-Safe will repair or provide a replacement lens found to be inoperative due to physical abuse for the duration of the installation under normal conditions.

** To make a claim, contact your Cooper Lighting Agent to arrange an RMA (Return Material Authorization) for the claimed product. Upon receipt and verification of the defect, Cooper Lighting will return to you a repaired or, at Cooper Lighting's sole option, replacement fixture.

Description

The G12 combines architectural styling, strength, and energy-saving technology, and is available in 15, 20, 25, and 30 watt lumen packages. Also choose a photo control or motion sensor for control. Choose an emergency battery back to provide egress illumination. Injection molded polycarbonate lens obscures lamp image and spreads light evenly. UL/cUL listed for wet locations, IP65 rated.

Typical applications include canopies, corridors, dormitories, public restrooms, loading docks, locker rooms, schools, behavior health facilities, or anywhere security and safety are of concern. For use on the ceiling or wall, interior or exterior.

Product Specifications

Fasteners

- Four stainless steel TORX®T20 screws with center reject pin.
- Screw heads are recessed into lens to maximize tamper-resistance.
- Fasteners are captive and sealed by means of a neoprene O-ring.

Shallow Casting

- Die cast aluminum casting.
- Four 1/4" dia. fasteners for maximum vandal resistance. Four 1/2" NPT conduit entries in sides and one in back of housing.

Gasket

- One-piece, die-cut closed cell EPDM mounting gaskets seal entire lens and housing.

Lens

- One-piece, injection-molded UV stabilized polycarbonate, minimum 0.130" thick.
- Prisms are on the inside of the lens providing a smooth outer surface. Available clear or opal.

Reflector/BackPan

- 16 gauge steel with gloss white high reflectance polyester powder coat finish.

Electrical

- LED driver is mounted to the backpan for optimal thermal management.
- High efficiency LED mounted to circuit board. 70% lumen maintenance at 50,000 hours when operated in an environment as noted on the Maximum Ambient Operating/Option Matrix on page 2.

Labels

- UL/cUL listed, standard wet location, ceiling or wall mount
- IP65 rated.
- IK10 rated for maximum impact resistance
- Available to mount on combustible or non-combustible surface.
- Options to meet Buy American Act requirements.

Warranty

- Five year warranty on the LED's and electrical.
- Lifetime Warranty if fixture found to be inoperative due to physical abuse for the duration of the installation.