

# CAP Series

## Who Says Infrared Windows Have to be Round?

The durability and proven transmission stability of our patented reinforced polymer is the cornerstone of the CAP Series. Traditional round crystal infrared (IR) windows are made in 2" – 4" diameters. This is primarily because increasing the diameter and maintaining the thickness exponentially increases the fragility of the crystal, making larger sizes weaker and cost prohibitive.



Available in 4", 6", 12", and 24" widths, CAP Series IR windows allow inspection of multiple components through one window, reducing the total number of windows required, associated installation time and costs.

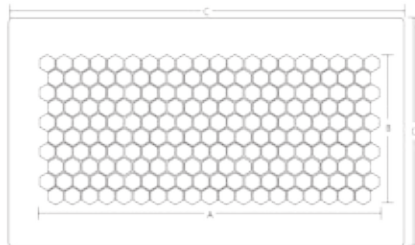
The CAP-C offers locking covers for your IR window. These are useful in areas of high traffic and protect the IR viewing panes from impacts, flying debris and dust.

## Protected by our unconditional lifetime warranty

### Specifications

Materials	
Window Housing and Cover	Standard product constructed of aluminum; custom materials available
Optic	UL 746 compliant, IR transmissive polymer; -40°C (-40°F) to 325°C (617°F)
Gaskets	UL 94 5VA TPE; -40°C (-40°F) to 273°C (523°F)
Hardware	316 stainless steel

Other	
Useful Temperature Rating	-40°C (-40°F) to 200°C (392°F)
Water and Dust Ingress	IP65 / NEMA 4: closed and when in use



### Dimensions

Model	Window Dimensions	Overall Dimensions
CAP-4, CAP-C-4	A= 9.68 cm (3.81 in), B= 9.77 cm (3.85 in)	C= 15.24 cm (6 in), D= 15.24 cm (6 in)
CAP-6, CAP-C-6	A= 9.1 cm (3.6 in), B= 15 cm (5.9 in)	C= 16 cm (6.3 in), D= 21.8 cm (8.6 in)
CAP-12, CAP-C-12	A= 23.6 cm (9.3 in), B= 12.7 cm (5.0 in)	C= 30.5 cm (12.0 in), D= 20.6 cm (8.1 in)
CAP-24, CAP-C-24	A= 53 cm (20.9 in), B= 15 cm (5.9 in)	C= 61 cm (24.0 in), D= 21.8 cm (8.6 in)

**Caution:** The dimensions listed above are not installation dimensions. Do NOT cut prior to receiving your IRISS window and installation template.

### CAP Series Feature:

- Durable, fully impact-resistant
- Fixed And Stable Transmission (FAST)
- Proven compatibility with acids, alkalis, UV, moisture, humidity, vibration and high frequency noise
- Reinforcing grills comply with IP2x standard for safe maximum hole size and fail-safe design
- Optional cover with locking catches
- Customizable; if you don't see what you need in the standard offering you can configure:
  - Housing Materials
  - Gaskets
  - Locking Devices
  - Labeling
  - Color
- Fitting templates and instructions included

### Certifications:

- Certified by UL (USA) & cUL (Canada) to the following standards:
  - 50V
  - 50E
  - 746C: Impact and Flammability
  - 1558: Impact and Load Resistance
  - 508A; ANSI 508A
- IEEE C37 20.2.a.3.6: Impact and Load
- IP65 / NEMA 4
- Lloyds of London Type Approval
- American Bureau of Shipping (ABS)
- BSI Quality ISO 9001 Certified System
- CSA C22.2 No. 14-13
- DNV (Det Norske Veritas) P261.1E Maritime, Vessel and Offshore Applications