



## ICO® Low Pressure Nozzle MK1

### Technical Datasheet

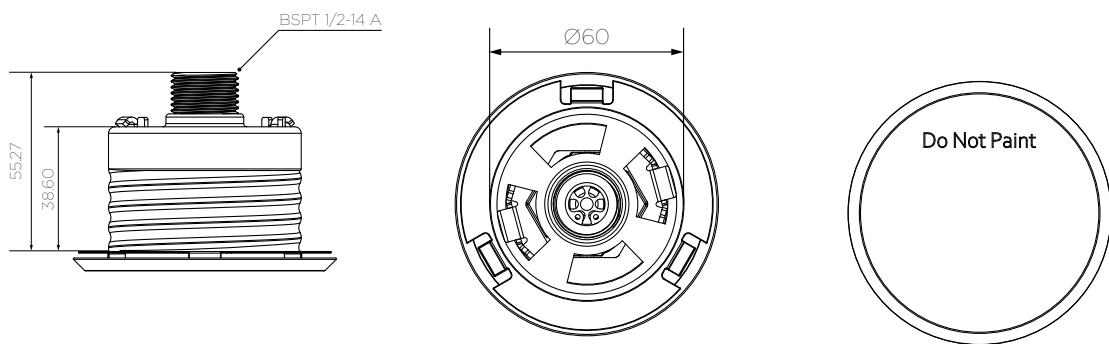
#### Technical Data

Product Code:	iCO-LP-01
Dimensions (Without Cover Plate):	Ø59.5mm x 55.3mm
Ceiling Hole Diameter:	Ø60mm
Weight:	0.27kg
K-Factor:	12.0
Temperature rating (Cover Plate):	57°C
Temperature Rating (Frangible Bulb):	68°C
Minimum Operating Pressure:	6.0 bar
Maximum Pressure:	12.0 bar (limited by pipework)
Flow Rate:	29.4 l/min
Occupancy Type:	Residential* **
Pipe Connection Size:	BSPT 1/2"
Tightening Tool:	Hexagon Socket 32mm
Minimum Spacing between Nozzles:	2m
Maximum Ceiling Height:	3.5m
Maximum Spacing:	4m x 4m (13.2ft x 13.2ft)
Minimum Ceiling Void:	100mm
Colour (Cover Plate):	White (RAL 9010)
Material:	Naval Brass CZ112, Stainless Steel 316
Standards:	Tested and Approved to BS EN 14972-17

\*Dwelling house, apartment, maisonette, transportable home, house of multiple occupation, bed and breakfast accommodation, boarding houses and blocks of apartments or similar of 18m or less in height and with a maximum total floor area of 2 400 m<sup>2</sup>. All nozzles in the largest compartment up to maximum 2. Refer to BS EN 14972-1 Table 1.

\*\*Apartment blocks greater than 18m up to 45m in height, sheltered and extra care housing, residential care premises, residential rehabilitation accommodation, dormitories and hostels or similar up to 45m in height. Minimum nozzle operation 4. Refer to BS EN 14972-1 Table 1.

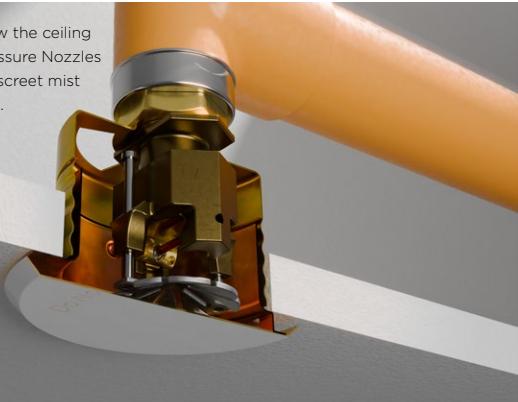
## Dimensions



## Images



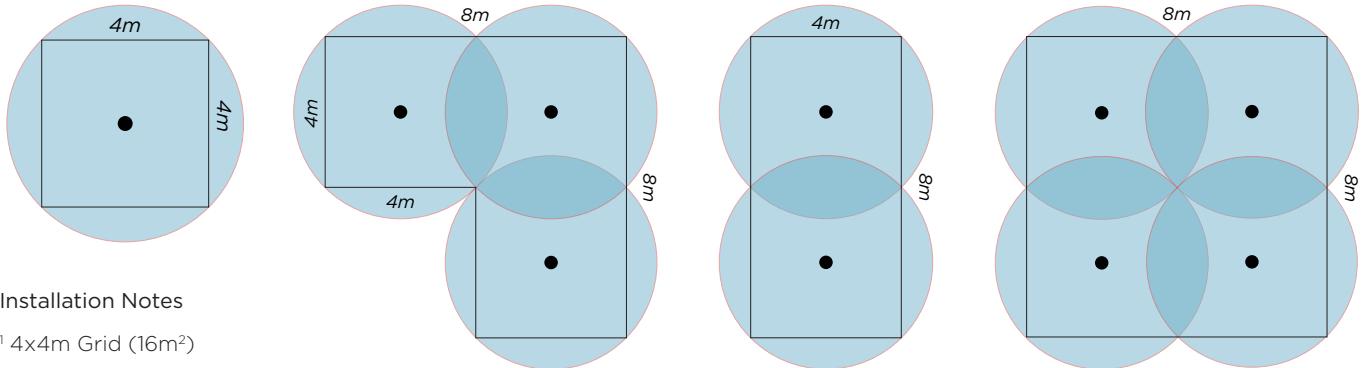
Sitting just 6mm below the ceiling line, the iCO® Low Pressure Nozzles are of the the most discreet mist nozzles on the market.



*Images for illustration purposes only.*

# Installation

## Nozzle Spacing: Flat Ceiling



### Installation Notes

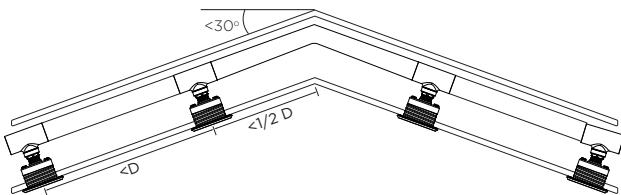
<sup>1</sup> 4x4m Grid (16m<sup>2</sup>)

<sup>2</sup> Max. 2m from wall

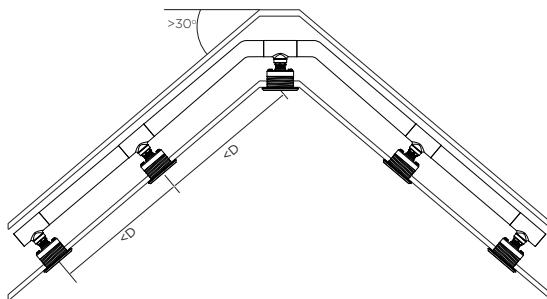
<sup>3</sup> 2m minimum distance between nozzles

## Nozzle Spacing: Sloped Ceiling

### a) Pitch below 30°



### b) Pitch above 30°



### Installation Notes

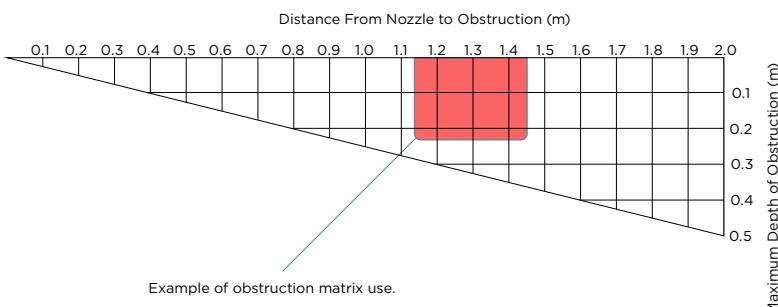
<sup>1</sup> When installing iCO® misting nozzles on sloped ceilings, the position of the nozzle should be determined by the pitch of the ceiling.

<sup>2</sup> Where the pitch is below 30° iCO® nozzles should be mounted at standard spacing when measured in line with the pitch of the ceiling.

<sup>3</sup> Where the pitch is 30° and above, the first row of iCO® nozzles should be mounted within 300mm radially from the apex of the ceiling.

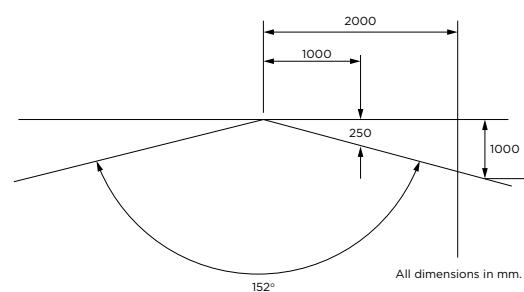
<sup>4</sup> All nozzles should be mounted perpendicular to the ceiling as shown.

## Nozzle Distance to Obstructions



Example of obstruction matrix use.

If obstruction fits wholly inside matrix, nozzle positioning is unaffected.



### Installation Notes

<sup>1</sup> Nozzles should be positioned at least 500mm away from a pendant light fitting.

## Maintenance and Storage

<sup>1</sup> The nozzle should be maintained in accordance with BS EN 14972.

<sup>2</sup> Minimum/Maximum ambient temperature 4°C/40°C.

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iCO Products is LPCB ISO 9001 accredited for the design, manufacture, assembly and testing of residential fire suppression products.

Our patented fire suppression products are manufactured in the UK and sold through a network of accredited installers and distributors throughout the UK and overseas.

Patents granted: United Kingdom, USA, Australia, Europe

Patents pending: UAE

## Contact Us.

✉ [enquiries@ico-products.com](mailto:enquiries@ico-products.com)

↗ [ico-products.com](http://ico-products.com)

🌐 [ico-products](http://ico-products)

🏢 iCO Products Ltd  
Unit 9 Cordwallis Business Park  
Clivemont Road  
Maidenhead  
Berkshire  
SL6 7BU



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