

Q-Aviation Lighting / Helipad Lighting / Q-Hapi System

Q-HAPI



TECHNICAL DETAILS

Application:	Helipad
Light Colour:	Green 530nm and Red 630 nm
Flash Sequence:	2 Hz
Light Source:	LED, steady centre and flashing
Light Intensity:	9.000 cd
Input Voltage:	from controller.
Vertical Beam Profile:	as per ICAO
Colour chromaticity:	as per ICAO, green 530nm, red 630nm
Enclosure:	Aluminium, Powder coated
Mounting:	Rigid, 8x M8
Ambient Temp:	-25° to +60° C
In Compliance With:	ICAO annex 14, Volume II 5.3.5 FAA AC 150/5390-2C
Cable:	1x 3x2,5mm ² 1x 14x1mm ²
Photometrics:	According ICAO Annex 14 Volume II – Figure 5-11
Consumption:	50 Watt
Life expectancy:	100.000+ hours
IP index:	IP 66
Weight:	16 kg.
Dimensions:	688x339x249 mm (LxWxH)
Packaging dimension:	800x400x400 mm (LxWxH)

A) This product must be connected to the Q72FR03C – Q-HAPI control system. The Controller is sold separately.

B) When a complete helideck/heliport package is offered, the Status Light Controller can be built-in the Q-Control X series.

DESCRIPTION

The Q-HAPI consists of a single lighting to provide a visual indication of the correct approaching path of the helicopter.

In compliance with ICAO requirements, the Q-HAPI is located adjacent to the nominal aiming point and aligned with the preferred approach directions.

The angle of elevations setting of the Q-HAPI is easy to adjust by the build in monitor showing the actual angle.

The Q-HAPI is below 25 cm and it is therefore approved for all helidecks installations, forming no obstruction for the helicopter. Each flight approach path is required to have a HAPI system.

CERTIFICATES



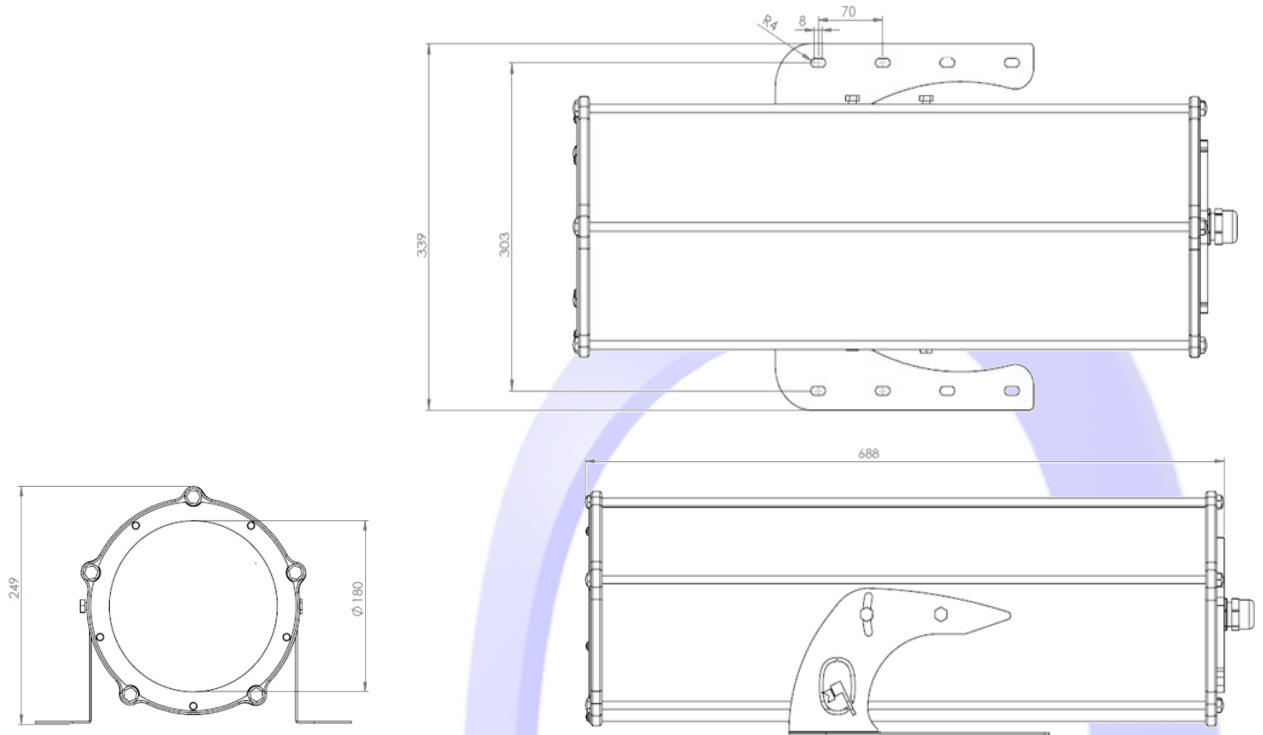
ORDER CODE

Q72FR03 – Helicopter Approach Path Indicator



MAIN DIMENSIONS

The main dimensions and mounting are displayed dimensions in the image below:



HAPI LIGHT

The Q-HAPI lighting unit has 4 separate segments listed below:

1. Flashing Green Light = Helicopter above the optimal approach slope (too high)
2. Fix Green Light = Helicopter on the slope
3. Fix Red Light = Helicopter slightly below the optimal slope (slightly too low)
4. Flashing Red Light = Helicopter below the optimal slope (too low)

The signal repetition rate of the flashing sectors is 2 Hz. In accordance with ICAO, the HAPI is capable of adjustment in elevation at any desired angle between 1 and 12 degrees above the horizontal plane with an accuracy of +/- 5 minutes of arc. The Q-HAPI will switch off atomically when the vertical misalignment of the unit exceeds ±0.5 degrees (±30 minutes).

OFFSHORE/ ONSHORE USAGE

In compliance with ICAO requirements, the Q-HAPI must be located adjacent to the nominal aiming point and aligned in line with the preferred approach directions.

The angle of elevations setting of the Q-HAPI must be such that, during approach, the pilot of the helicopter observing the upper boundary of the "below slope" signal (flashing red) clears all objects in the approach area by a safe margin.

