CATALOGUE 2026

AVIATION & SAFETY

Obstruction lighting and heliport systems, designed and installed to QCAA and ICAO Annex 14 rules.

- Low intensity
- Medium intensity
- High intensity
- Heliports



WHAT WE DO

VISIBLE TO EVERY PILOT

We design, supply, install and maintain obstruction lighting for towers, masts and buildings, and complete lighting systems for heliports. Every system is planned around the structure’s height and the aviation authority’s rules.



LI · MI · HI

Three intensity classes

ICAO

Annex 14 and FAA types

QCAA

Approval support in Qatar

ICAO ANNEX 14 · QCAA

HEIGHT DECIDES THE LIGHT

The taller the structure, the brighter the light at its top. Taller structures also carry more intermediate levels, each spaced to the authority’s height rules. We size every level in the lighting plan before supply.

Above 150 m

HIGH INTENSITY

White flashing, three steps

45 – 150 m

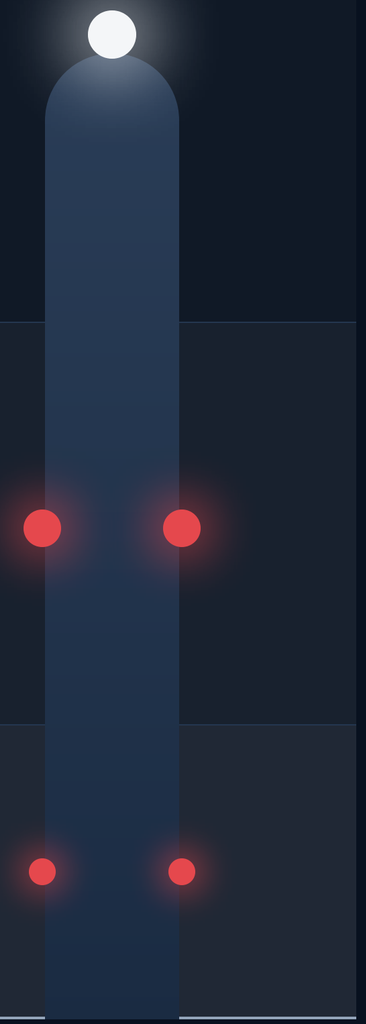
MEDIUM INTENSITY

White by day, red by night

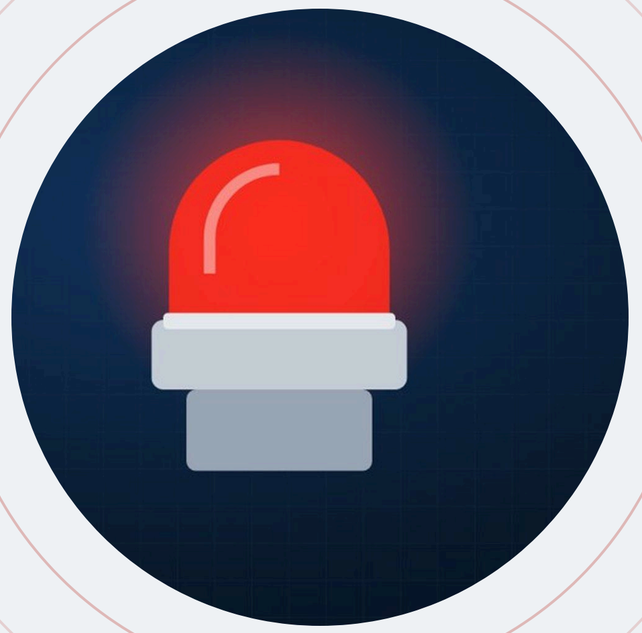
Up to 45 m

LOW INTENSITY

Red steady, and every level



L



ICAO TYPE A – E

STRUCTURES UP TO 45 M

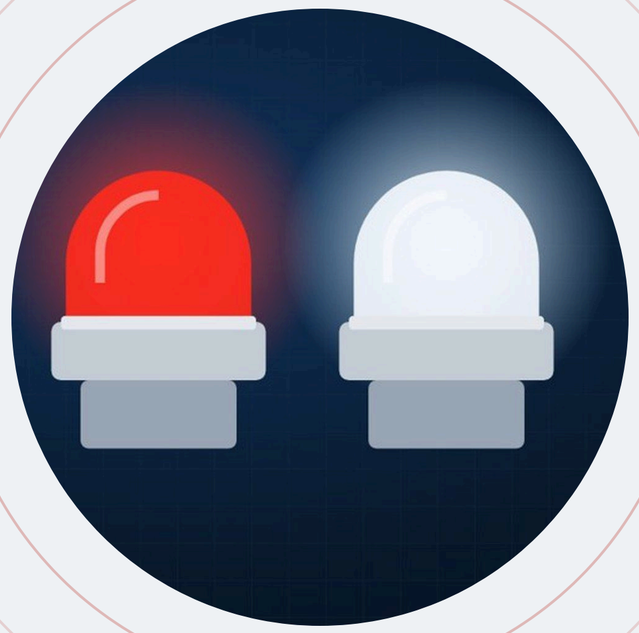
LOW-INTENSITY LIGHTS

Compact, low-power lights for buildings and masts, and for the intermediate levels of taller structures.

Type	Intensity	Light
A	10 cd	Red steady
B	32 cd	Red steady
C	40 – 400 cd	Yellow / blue flashing
D	200 – 400 cd	Yellow flashing
E	32 cd	Red flashing

Supply	Power	LED life
12/24/48 VDC · AC	**3 – 10 W**	**Over 100,000 h**

MI



ICAO TYPE A · B · C

STRUCTURES FROM 45 TO 150 M

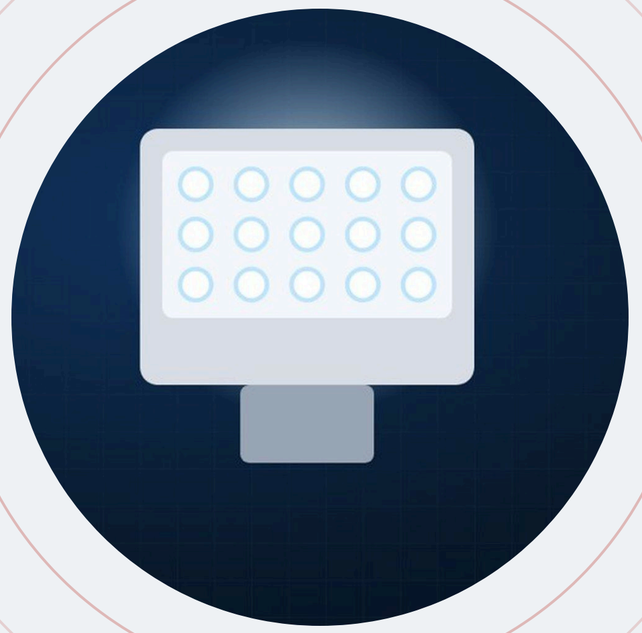
MEDIUM-INTENSITY LIGHTS

White flashing by day and night, red by night, or both as a dual system that switches with the ambient light.

Type	Intensity	Light
A	20,000 cd day · 2,000 night	White flashing
B	2,000 cd	Red flashing
C	2,000 cd	Red steady
Dual	Type A by day	B or C by night

Flash rate	Sync	Supply
20 – 60 per min	**GPS or wired**	**85–265 VAC · 48 VDC**

HI



ICAO TYPE A · B

STRUCTURES ABOVE 150 M

HIGH-INTENSITY LIGHTS

White flashing lights for the tallest structures and for towers that carry wires across valleys and rivers. Intensity steps down from day to twilight to night.

Type	Intensity	Use
A	200,000 cd day 20,000 cd twilight 2,000 cd night	Supertall structures
B	Same intensities	Wire-crossing towers, sequenced

Units per level	Level spacing	Flash rate
3+ for 360°	**Up to 105 m**	**40 – 60 per min**

HELIPORT SYSTEMS

READY FOR NIGHT LANDINGS

A complete lighting package for rooftop and ground heliports, with one control panel for the whole pad. We also supply warning beacons and signal towers for cranes, plants and gates.

Perimeter (FATO)

Green LED inset

Touchdown (TLOF)

White LED inset

Wind direction

Lit wind cone

Control

Panel + monitoring



SELECTED PROJECTS

DELIVERED IN QATAR



ROOFTOP HELIPORT

Inset LED lights, wind cone and a monitored control panel. Doha.

GREEN · WHITE LED



HIGH-RISE TOWERS

White flashing top lights, red levels and battery backup. Doha.

MI TYPE A · LI TYPE B



TELECOM MASTS

48 VDC lights with failures reported to the operator’s NOC. Qatar.

MI TYPE B · LI TYPE B

HOW WE WORK

FROM SURVEY TO APPROVAL

01 SURVEY & PLAN

Site survey and a lighting plan per structure height and QCAA rules.

02 SUPPLY

LI, MI and HI lights, controllers and control panels.

03 INSTALL

Installation at height, testing and commissioning.

04 APPROVE & MAINTAIN

QCAA approval support and preventive maintenance contracts.

EVERY CONTROL PANEL

Photocell switching · GPS flash sync · 24 VDC battery backup · Alarms to BMS or NOC

NEXT STEP

REQUEST A LIGHTING PLAN

Send us the structure height and drawings, and we will reply with a lighting plan and a quotation.

+974 7787 3712 · info@nexayt.com

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