DATASHEET

Light Head Controller

For Obelux LED Aviation Obstruction Lights

OBELUX
AVIATION LIGHTS

Mechanical Characteristics

► Enclosure stainless steel AISI304
► Degree of protection IP66
► Operating temperature range
  -55...+55 °C
► Cable glands
  350W: 3xM25
  700W: 5xM25
  1050W: 6xM25
► Cable glands size:
  M25 (cable diameter 11-17 mm)
► More cable glands and gland sizes
  are available if necessary
► Weight 25-55kg
► Wind load less than 1200N @
  200km/h

Electrical Characteristics
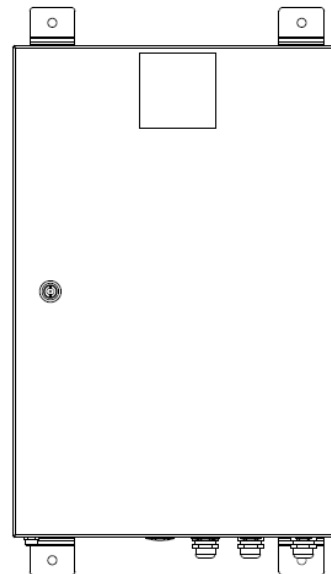
► Operating voltage variations:
  $48V_{dc}$ ($36\text{-}75V_{dc}$)
  $100V_{ac}$ ($85\text{-}115V_{ac}$)
  $115V_{ac}$ ($95\text{-}132V_{ac}$)
  $200V_{ac}$ ($170\text{-}230V_{ac}$)
  $230V_{ac}$ ($207\text{-}253V_{ac}$)
► Power output 350W, 700W and
  1050W
► Constant power consumption with
  active PFC

Specifications met

ICAO International Standards and
Recommended Practices:
Aerodromes Annex 14 Volume 1,
6th Edition, July 2013, Chapter 6

FAA Advisory Circular
AC 150/5345-43G

Several other national standards

Light Head Controller

Obelux Light Head Controller is designed for medium- and high-intensity White aviation lights. The unit offers several features including GPS synchronization, several flash modes, fault signal in case of a malfunction, and Ethernet (IP Protocol) interface. System can be monitored over internet through web browser.

Key Features

► Designed for medium- and high-intensity white aviation lights
► Fault monitoring
► Multiple user selectable flashing modes
► Constant power consumption with active PFC
► GPS synchronization and optic fiber connection versions available
► Ethernet (IP Protocol) interface version available for device monitoring over the internet.

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Light Head Controller
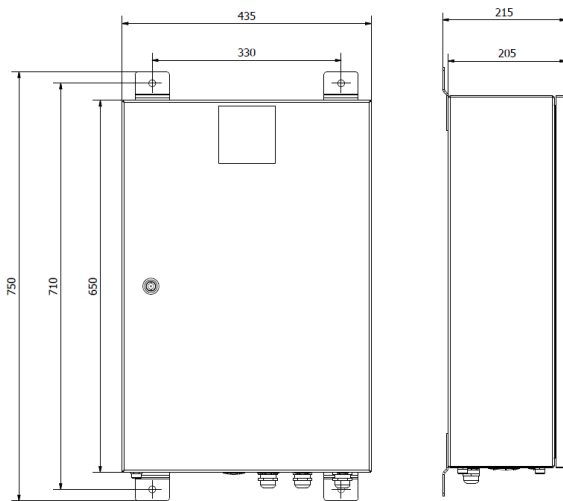
For Obelux LED Aviation Obstruction Lights
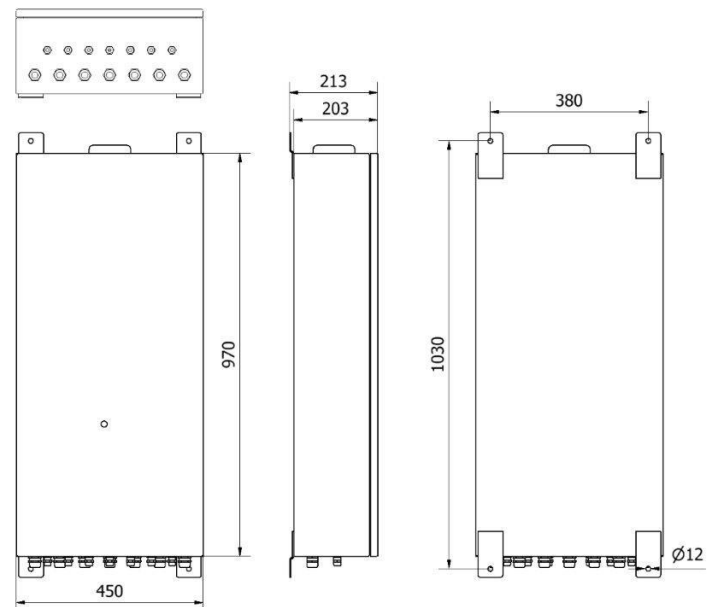
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Flash modes

► All outputs simultaneously
► User selectable flashing rate
  Steady burning / 20fpm / 40fpm / 60fpm
► User selectable flash duration
  100ms / 250ms / 500ms
► ICAO/FAA sequential flash
► Several other national flash sequences

Alarm relay characteristics

► Two pole contacts: Normally Open (NO) and Normally Closed (NC)
► Switch voltage/current max: $50V_{DC}$ (1A), $250 V_{AC}$ (10A)

1. Cabin dimensions for 350W version

2. Cabin dimensions for 700W and 1050 versions

Order code	Output Power	Input Voltage	Weight	Dimensions (L x W x D)	Packing dimensions
LHC048-1-xxx-y	350W	48VDC	25kg	650 x 400 x 213 mm	TBD
LHC100-1-xxx-y	350W	100VAC	25kg	650 x 400 x 213 mm	TBD
LHC115-1-xxx-y	350W	115VAC	25kg	650 x 400 x 213 mm	TBD
LHC200-1-xxx-y	350W	200VAC	25kg	650 x 400 x 213 mm	TBD
LHC230-1-xxx-y	350W	230VAC	25kg	650 x 400 x 213 mm	TBD
LHC048-2-xxx-y	700W	48VDC	45kg	970 x 450 x 200 mm	TBD
LHC100-2-xxx-y	700W	100VAC	45kg	970 x 450 x 200 mm	TBD
LHC115-2-xxx-y	700W	115VAC	45kg	970 x 450 x 200 mm	TBD
LHC200-2-xxx-y	700W	200VAC	45kg	970 x 450 x 200 mm	TBD
LHC230-2-xxx-y	700W	230VAC	45kg	970 x 450 x 200 mm	TBD
LHC048-3-xxx-y	1050W	48VDC	55kg	970 x 450 x 200 mm	TBD
LHC100-3-xxx-y	1050W	100VAC	55kg	970 x 450 x 200 mm	TBD
LHC115-3-xxx-y	1050W	115VAC	55kg	970 x 450 x 200 mm	TBD
LHC200-3-xxx-y	1050W	200VAC	55kg	970 x 450 x 200 mm	TBD
LHC230-3-xxx-y	1050W	230VAC	55kg	970 x 450 x 200 mm	TBD

XXX :   G = GPS synchronization
            F = Optic fiber connection
            W = Web server

Y: M = For Medium intensity lights
         H = For High intensity lights

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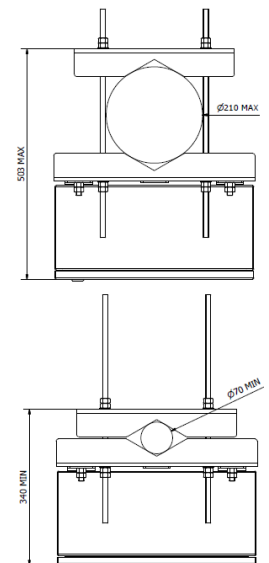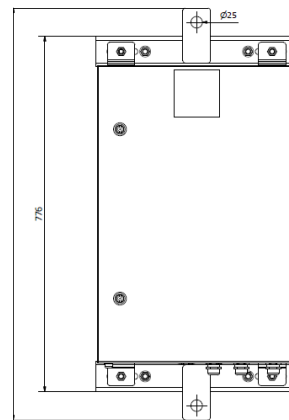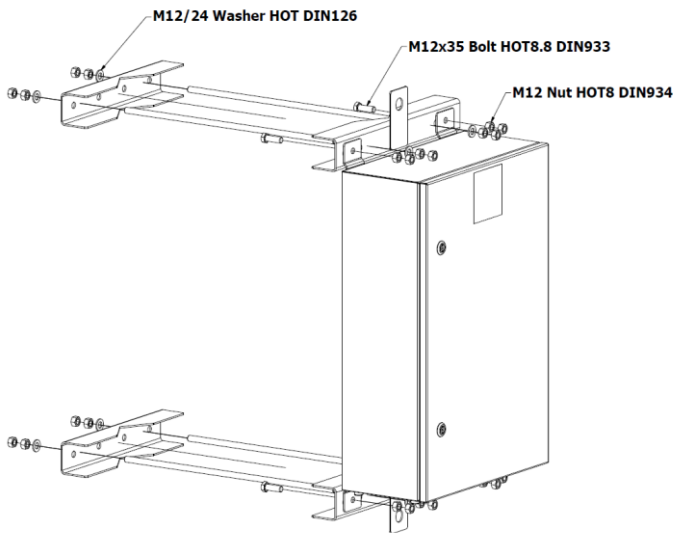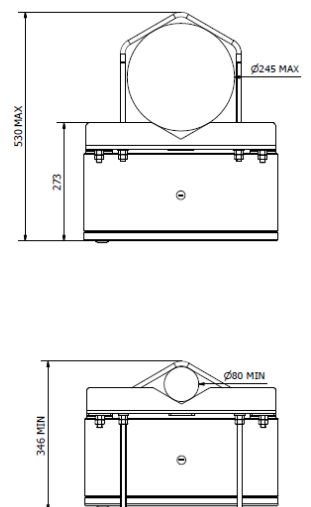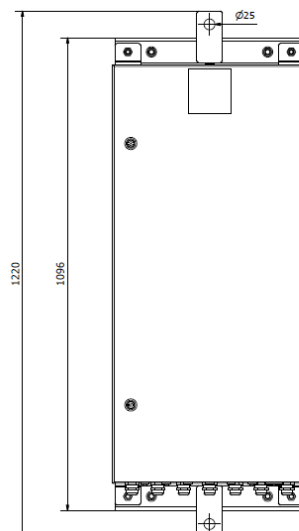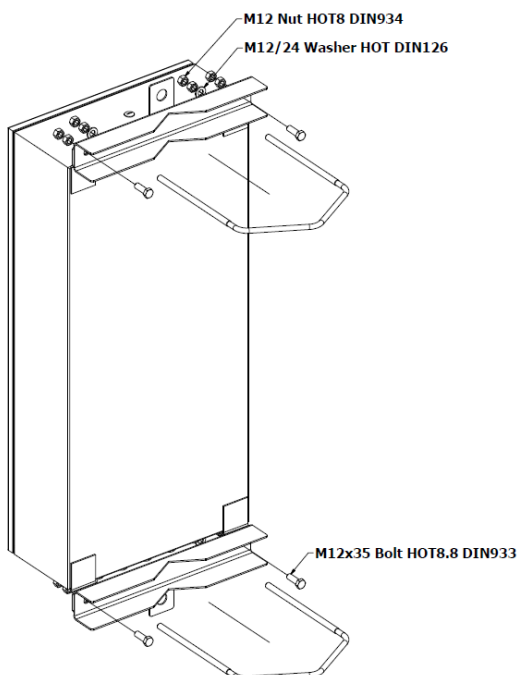# Light Head Controller

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3. Mounting set for 350W version

4. Mounting set for 750W and 1050W versions