OMNIA
AYDINLATMA

PRODUCT
catalog

SPECIALISTS IN AVIATION OBSTRUCTION LIGHTING
Safety & Innovation Since 2005

- BRIDGE
- AIRPORT
- CHIMNEY
- WIND TURBINE
- HIGH BUILDING
- TELECOM TOWER
- TRANSMISSION LINES

OMNIA AYDINLATMA
GLOBAL VISIBILITY SOLUTIONS

Leading the Skyline in Safety
Certified Obstruction Lights

ENSURING FLIGHT SAFETY ON HIGH-RISE STRUCTURES,

Since 2005, our company has been operating in the field of aviation obstruction lighting, providing innovative and reliable solutions to enhance flight safety on high-rise structures and critical facilities. From the very beginning, our main objective has been to develop long-lasting, high-performance obstruction lighting systems in full compliance with international standards.

Global Standards & Compliance

All of our products are designed and manufactured in accordance with ICAO (International Civil Aviation Organization) and FAA (Federal Aviation Administration) standards. Our product range includes low intensity, medium intensity, and high intensity LED aircraft warning lights, offering a complete solution for telecommunication towers, GSM base stations, wind turbines, power transmission lines, chimneys, cranes, and all types of tall structures.

In-House R&D & Technology

We carry out all our R&D activities in-house, controlling every stage from mechanical design to electronic board development, ensuring consistent quality and reliability. Thanks to their robust construction, our products operate safely under harsh environmental conditions, while their low energy consumption and maintenance-free LED technology significantly reduce operating costs.

Our Mission

Our mission is to develop technological, sustainable, and user-friendly lighting solutions, providing our customers not just products, but long-term and reliable partnerships. Today, our systems are actively used in many countries, primarily in Türkiye, and meet a quality level that enables us to compete globally in the field of aviation safety.

INDEX

LOW INTENSITY OBSTRUCTION LIGHTS

Omnia low intensity light is designed for marking tall structures such as wind turbines, chimneys, masts, cranes, airports, transmission line and telecommunication towers. Omnia low intensity lights have extremely low power consumption and long maintenance-free operating time. As specified by Annex 14 of ICAO regulations, Low Intensity Obstruction Lights should be used to warn the presence of obstacles up to 45m height.

Low Intensity Obstruction Lights are the simplest devices according to ICAO standards, have the following characteristics and uses;

– Type A (intensity >10cd, red steady burning)
– Type B (intensity >32cd, red steady burning)
– Type E (intensity >32cd, red flashing)

Low Intensity Single Obstruction Light

OMNİA-L810-S
Datasheet

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OMNİA L810-S

Low Intensity Obstruction Light System

Omnia low intensity light is designed for marking tall structures such as wind turbines, chimneys, masts, cranes, airports, transmission line and telecommunication towers. Omnia low intensity lights have extremely low power consumption and long maintenance-free operating time. As specified by Annex 14 of ICAO regulations, Low Intensity Obstruction Lights should be used to warn the presence of obstacles up to 45m height.

Low Intensity Obstruction Lights are the simplest devices according to ICAO standards, have the following characteristics and uses;

- Type A (intensity >10cd, red steady burning)
- Type B (intensity >32cd, red steady burning)
- Type E (intensity >32cd, red flashing)

Description:

The OMNİA-L810-S is a low intensity light based on single-LED technology. Dedicated to a night beaconing (red steady burning or flashing), it is a long lifetime beacon (100 000 hours), with a very low consumption (<2W). The OMN-L810-S can be provided with a photocell for an automatic switch ON / OFF, and a dry contact for failure alarm.

System consists of;

1 unit Single Armature and Mounting Bracket (U-Bolt)

Description	Weight	Dimensions	Image
Low Intensity Single Obstruction Light With Mounting Bracket (U-Bolt for 40....70mm pipe)	0.7kg	210mm x 110mm	

Low Intensity Single Obstruction Light

OMNIA Lighting

OPTICAL FEATURES

- Based on Single LED-technology
- Low consumption < 2W
- Long life time > 10 years
- RED light - Steady Burning
- RED light - Flashing
- Type-A >10 cd (steady burning)
- Type-B >32 cd (steady burning)
- Type-E >32 cd (flashing)
- Horizontal beam radiation: 360°
- Vertical beam spread: >10°
- Optical reflector

ELECTRICAL FEATURES

- AC- models, wide AC voltage range: Nominal 100...240VAC, Nominal 50 ... 60Hz
- DC- models, wide DC voltage range: Nominal 10...60VDC
- LED feeded at costant current
- Overvoltage protection
- Automatic changeover from normal to stand-by LED circuit (only double lamp)

LIGHT MECHANICAL FEATURES

- Anodised aluminium body
- Policarbonate UV resistant dome
- Degree of protection: IP66
- Operating temperature: -40°C to +55°C
- Bolts- Nuts - Washer: Stainless Steel
- Height 210 mm, Width 110 mm
- Weight 0,7 kg (without mounting set)
- Terminal block for 0.75 ...2.5mm² wires
- Mounting M6 U-Bolt (included)

APPLY TO

- Stack
- Airport
- Pipe line
- High Building
- Transmission line
- Radio and TV tower
- Wind turbine
- Tower crane
- Chimney
- Antenna
- Bridge
- Radar

COMPLIANCE

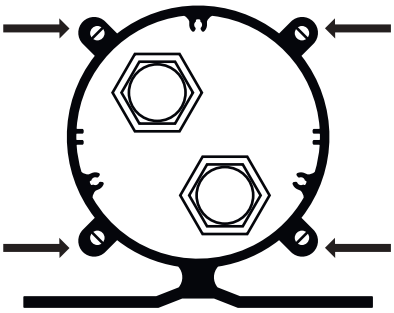
- ICAO Aerodromes -Annex 14 Volume 1, Chapter 6: Low intensity, Type A-B steady burning obstacle light, Type E flashing obstacle light

CERTIFICATIONS

- ICAO
- IP-66
- CE marking
- ISO 9001:2015
- ISO 14001:2015

Installation Instructions

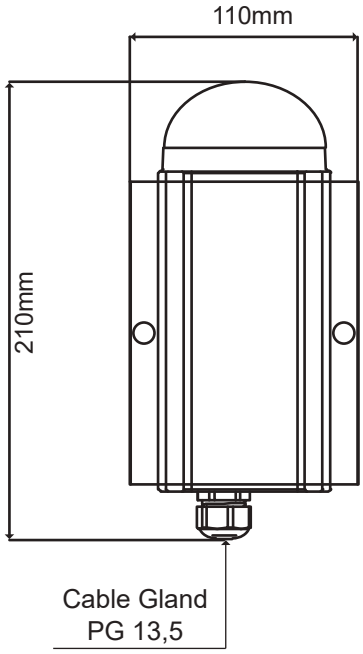
Open the four bottom plate screws. Route power and data cables using cable gland(s) on the bottom side of light unit. Connect the cable wires securely to appropriate terminal block connectors. Fix the bottom plate properly in its place and securely tighten all screws.



Bottom Plate Screws

Installation Specifications

- Cable gland PG 13,5
- Cable diameter 6,3 to 11 mm
  (includes cable gland seal (6-12mm)
- Wire diameter max. 4 mm²
  (option 6 mm²)
- Recommended cable
  - Energy Input: 3x1,5mm² or 3x2,5mm² (L-N-PE)
  - Alarm Output: 3x1,5mm² (COM - NC - NO)
- M6 U-Bolt (included nut and washer)



Lamp Settings

DIP Switch Settings		
1	2	Operating Mode
OFF	OFF	20fpm
ON	OFF	30fpm
OFF	ON	40fpm
ON	ON	60fpm

DIP Switch Settings	
3	Operating Mode
OFF	Flash Mode
ON	Steady Mode

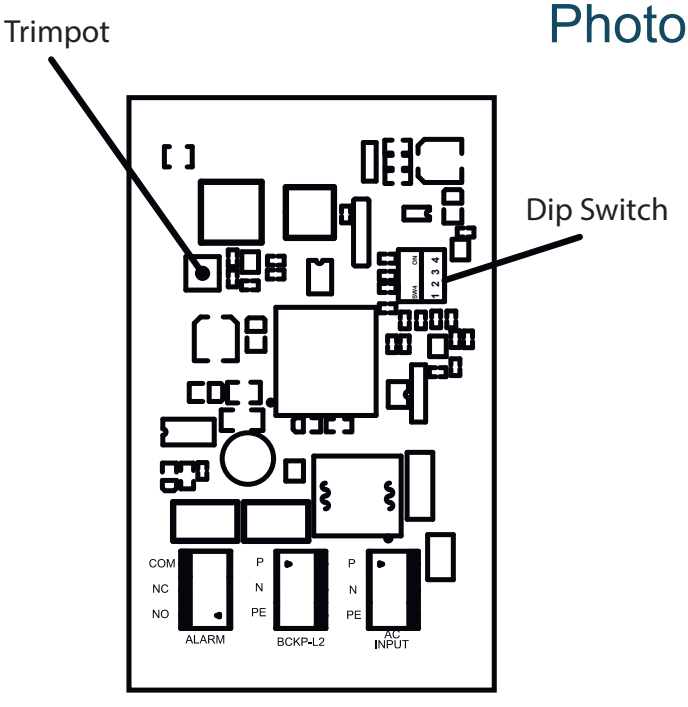
DIP Switch Settings	
4	Operating Mode
OFF	Photocell enabled
ON	Photocell disabled

Factory Settings

DIP Switch Settings			
1	2	3	4
OFF	ON	OFF	OFF

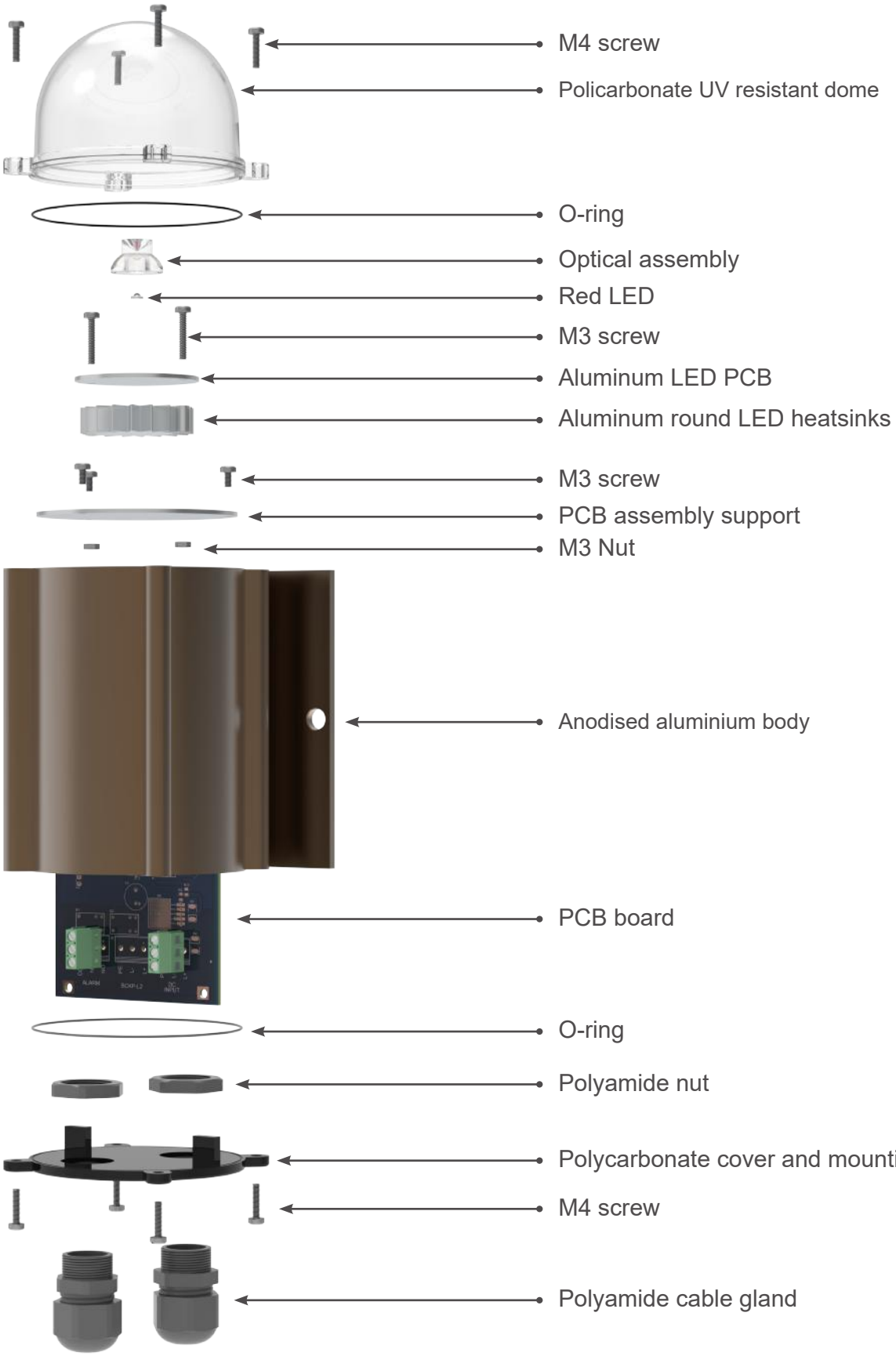
40fpm / Flash Mode / Photocell enabled

Photocell Setting



The photosensitivity can be adjusted via the trimpot located on the electronic board. By turning the trimpot to the left with a screwdriver, you can set the light to activate in brighter conditions, or by turning it to the right, you can set it to activate in darker conditions.

Spare Parts


M4 screw
Policarbonate UV resistant dome
O-ring
Optical assembly
Red LED
M3 screw
Aluminum LED PCB
Aluminum round LED heatsinks
M3 screw
PCB assembly support
M3 Nut
Anodised aluminium body
PCB board
O-ring
Polyamide nut
Polycarbonate cover and mounting system
M4 screw
Polyamide cable gland

Low Intensity Double Obstruction Light

OMNİA OMN-L810-T

Datasheet

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OMNİA OMN-L810-T

Low Intensity Obstruction Light System

Omnia low intensity light is designed for marking tall structures such as wind turbines, chimneys, masts, cranes, airports, transmission line and telecommunication towers. Omnia low intensity lights have extremely low power consumption and long maintenance-free operating time. As specified by Annex 14 of ICAO regulations, Low Intensity Obstruction Lights should be used to warn the presence of obstacles up to 45m height.

Low Intensity Obstruction Lights are the simplest devices according to ICAO standards, have the following characteristics and uses;

- Type A (intensity >10cd, red steady burning)
- Type B (intensity >32cd, red steady burning)
- Type E (intensity >32cd, red flashing)

Description:

OMN-L810-T is a low-intensity double obstruction light featuring single LED technology. In the event of a failure in the main lamp, the backup lamp activates within 3 seconds. Its special lens design ensures light distribution compliant with ICAO standards. Day and night detection is performed via the microprocessor and photocell sensor located on the fixtures. The system automatically activates at dusk and deactivates at dawn. It features very low power consumption (<2.5W) and an LED lifespan of approximately 100,000 hours. Dry contact alarm outputs (COM-NC-NO) are available for fault monitoring.

System consists of;

1 unit Double Armature and Mounting Bracket (U-Bolt)

Description	Weight	Dimensions	Image
Low Intensity Double Obstruction Light With Mounting Bracket (U-Bolt for 40....70mm pipe)	1.70kg	350mmx210mm	
Packing	2.10kg	350mmx250mmx150mm	

Low Intensity Double Obstruction Light

OPTICAL FEATURES

- Based on Single LED-technology
- Low consumption < 2,5W
- Long life time > 10 years
- RED light - Steady Burning
- RED light - Flashing
- Type-A >10 cd (steady burning)
- Type-B >32 cd (steady burning)
- Type-E >32 cd (flashing)
- Horizontal beam radiation: 360°
- Vertical beam spread: >10°
- Optical reflector

ELECTRICAL FEATURES

- AC- models, wide AC voltage range: Nominal 100...240VAC, Nominal 50 ... 60Hz
- DC- models, wide DC voltage range: Nominal 10...60VDC
- LED feeded at costant current
- Overvoltage protection
- Automatic changeover from normal to stand-by LED circuit (only double lamp)

LIGHT MECHANICAL FEATURES

- Anodised aluminium body
- Policarbonate UV resistant dome
- Degree of protection: IP66
- Operating temperature: -40°C to +55°C
- Bolts- Nuts - Washer: Stainless Steel
- Height 350 mm, Width 210 mm
- Weight 1,5 kg (without mounting set)
- Terminal block for 0.75 ...2.5mm² wires
- Mounting M6 U-Bolt (included)

APPLY TO

- Stack
- Airport
- Pipe line
- High Building
- Transmission line
- Radio and TV tower
- Wind turbine
- Tower crane
- Chimney
- Antenna
- Bridge
- Radar

COMPLIANCE

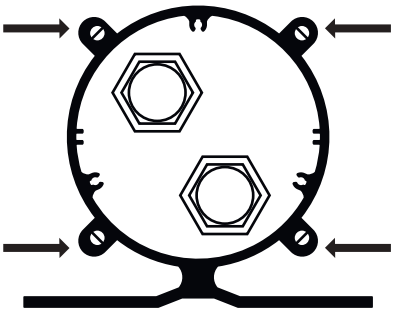
- ICAO Aerodromes -Annex 14 Volume 1, Chapter 6: Low intensity, Type A-B steady burning obstacle light, Type E flashing obstacle light

CERTIFICATIONS

- ICAO
- IP-66
- CE
- ISO 9001:2015
- ISO 14001:2015

Installation Instructions

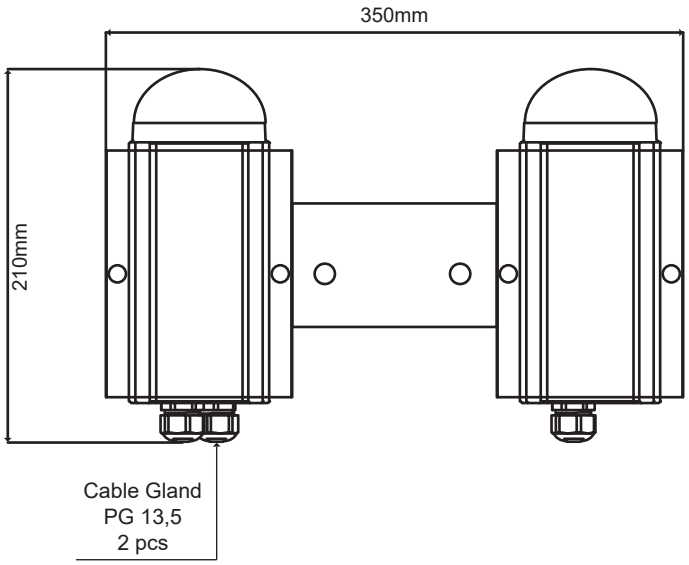
Open the four bottom plate screws. Route power and data cables using cable gland(s) on the bottom side of light unit. Connect the cable wires securely to appropriate terminal block connectors. Fix the bottom plate properly in its place and securely tighten all screws.



Alt plaka vidaları

Installation Specifications

- Cable gland PG 13,5
- Cable diameter 6,3 to 11 mm
  (includes cable gland seal (6-12mm)
- Wire diameter max. 4 mm2
  (option 6 mm2)
- Recommended cable
  - Energy Input: 3x1,5mm² or 3x2,5mm² (L-N-PE)
  - Alarm Output: 3x1,5mm² (COM - NC - NO)
- M6 U-Bolt (included nut and washer)



Lamp Settings

DIP Switch Settings		
1	2	Operating Mode
OFF	OFF	20fpm
ON	OFF	30fpm
OFF	ON	40fpm
ON	ON	60fpm

DIP Switch Settings	
3	Operating Mode
OFF	Flash Mode
ON	Steady Mode

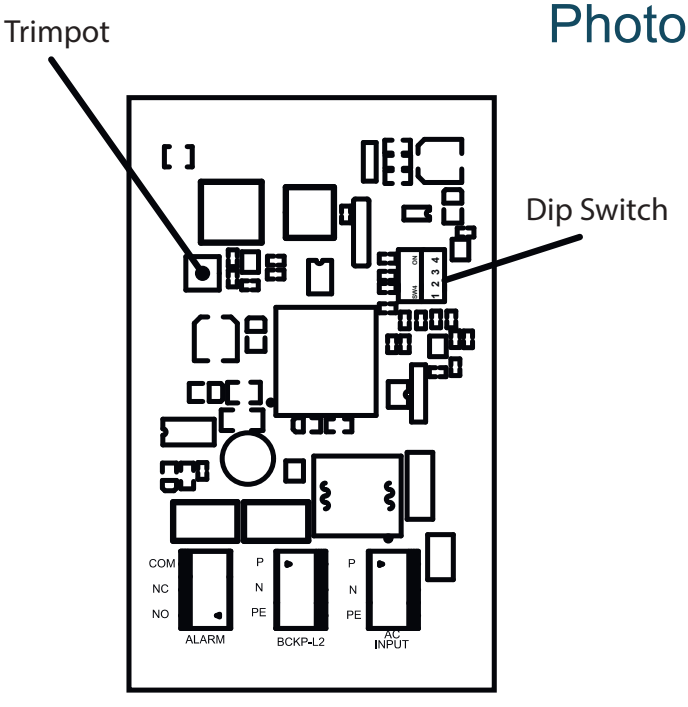
DIP Switch Settings	
4	Operating Mode
OFF	Photocell enabled
ON	Photocell disabled

Factory Settings

DIP Switch Settings			
1	2	3	4
OFF	ON	OFF	OFF

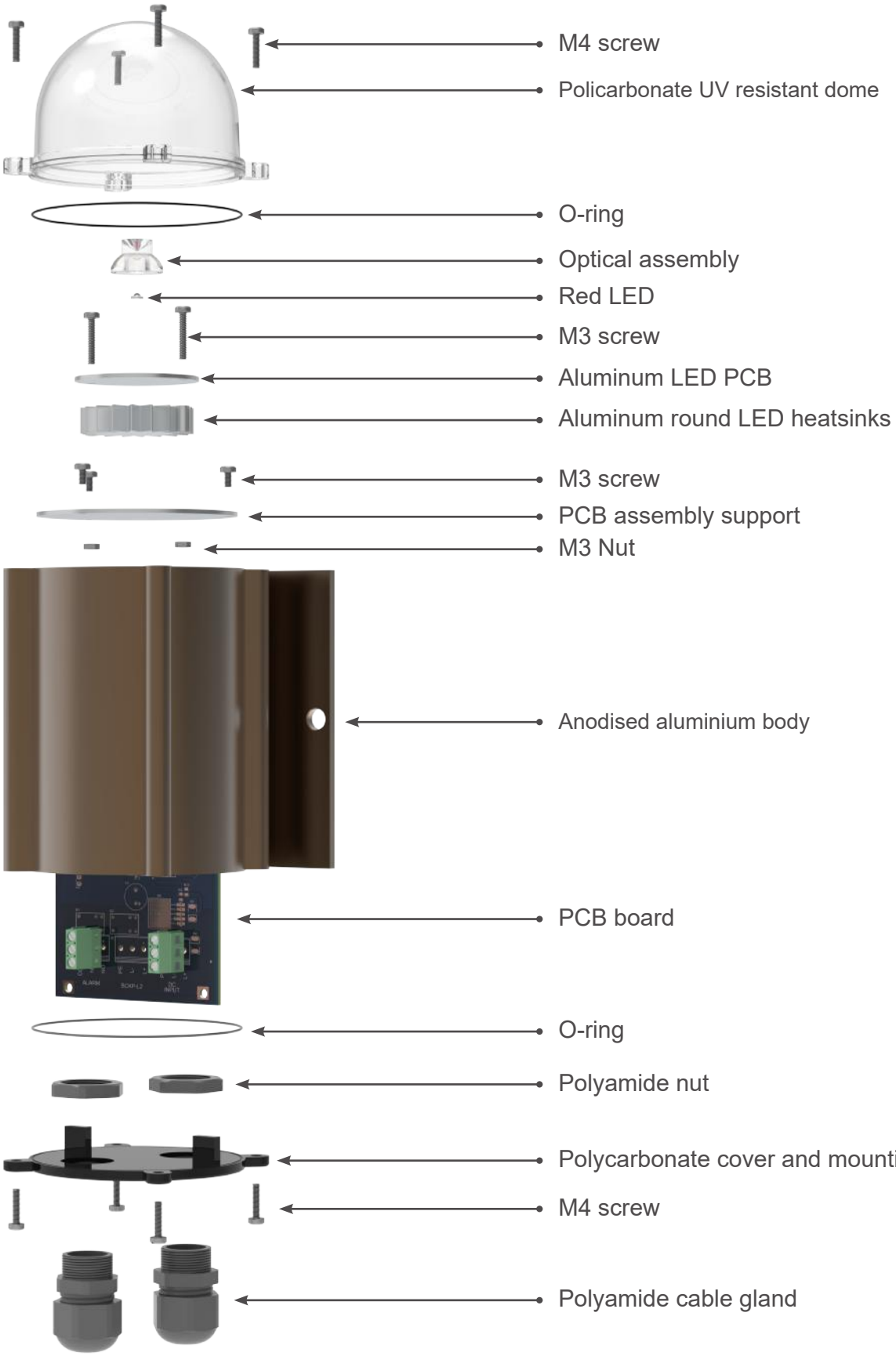
40fpm / Flash Mode / Photocell enabled

Photocell Setting



The photosensitivity can be adjusted via the trimpot located on the electronic board. By turning the trimpot to the left with a screwdriver, you can set the light to activate in brighter conditions, or by turning it to the right, you can set it to activate in darker conditions.

Spare Parts


M4 screw
Policarbonate UV resistant dome
O-ring
Optical assembly
Red LED
M3 screw
Aluminum LED PCB
Aluminum round LED heatsinks
M3 screw
PCB assembly support
M3 Nut
Anodised aluminium body
PCB board
O-ring
Polyamide nut
Polycarbonate cover and mounting system
M4 screw
Polyamide cable gland

Low Intensity Single OBL
With Solar Powered

OMNİA OMN-L810-S-SP
Datasheet

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Low Intensity Single OBL With Solar Powered

OMNİA Lighting

OPTICAL FEATURES

- Based on Single LED-technology
- Long life time > 10 years
- RED light - Steady Burning
- RED light - Flashing
- Type-A >10 cd (steady burning)
- Type-B >32 cd (steady burning)
- Type-E >32 cd (flashing)
- Horizontal beam radiation: 360°
- Vertical beam spread: >10°
- Optical reflector

LIGHT MECHANICAL FEATURES

- Anodised aluminium body
- Policarbonate UV resistant dome
- Degree of protection: IP66
- Operating temperature: -40°C to +55°C
- Bolts- Nuts - Washer: Stainless Steel
- Height 320 mm, Width 370 mm
- Weight 3,2 kg
- Terminal block for 0.75 ...2.5mm² wires
- Mounting M6 U-Bolt (included)

SOLAR SYSTEM

- Lithium Ion battery
- 12 Watt high efficiency solar panel
- Adjustable panel angle
- Charging regulation: PWM
- Autonomy up to 144 hours (about 12 night @flashing mode)

ELECTRICAL FEATURES

- Power consumption 2.4W/day (Lamp:12 hours on - 12 hours off)
- Working with solar energy
- Integrated circuit protection

APPLY TO

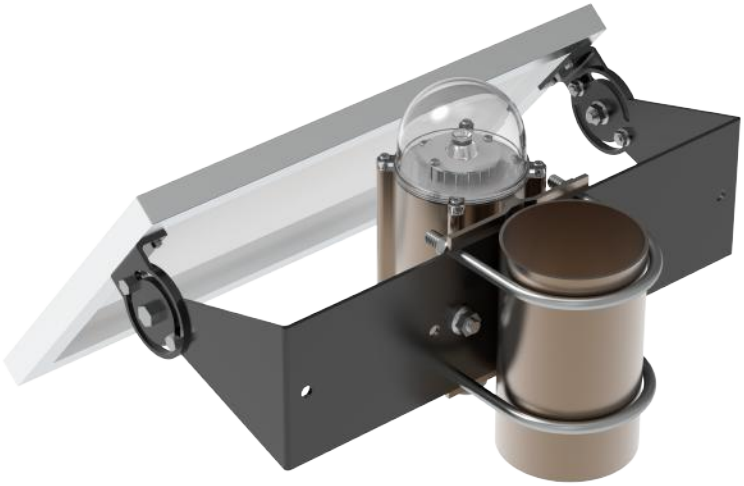
- Stack
- Airport
- Pipe line
- High Building
- Transmission line
- Radio and TV tower
- Wind turbine
- Tower crane
- Chimney
- Antenna
- Bridge
- Radar

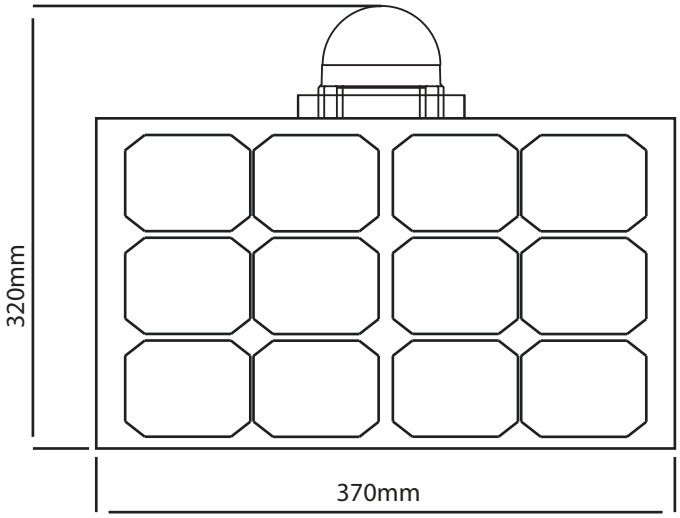
CERTIFICATIONS

- ICAO
- IP-66
- CE marking
- ISO 9001:2015
- ISO 14001:2015

COMPLIANCE

- ICAO Aerodromes -Annex 14 Volume 1, Chapter 6: Low intensity, Type A-B steady burning obstacle light, Type E flashing obstacle light





Low Intensity Double OBL
With Solar Powered

OMNİA OMN-L810-T-SP
Datasheet

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Low Intensity Single OBL With Solar Powered

OMNİA Lighting

OPTICAL FEATURES

- Based on Single LED-technology
- Long life time > 10 years
- RED light - Steady Burning
- RED light - Flashing
- Type-A >10 cd (steady burning)
- Type-B >32 cd (steady burning)
- Type-E >32 cd (flashing)
- Horizontal beam radiation: 360°
- Vertical beam spread: >10°
- Optical reflector

LIGHT MECHANICAL FEATURES

- Anodised aluminium body
- Policarbonate UV resistant dome
- Degree of protection: IP66
- Operating temperature: -40°C to +55°C
- Bolts- Nuts - Washer: Stainless Steel
- Height 320 mm, Width 370 mm
- Weight 3,2 kg
- Terminal block for 0.75 ...2.5mm² wires
- Mounting M6 U-Bolt (included)

SOLAR SYSTEM

- Lithium Ion battery
- 12 Watt high efficiency solar panel
- Adjustable panel angle
- Charging regulation: PWM
- Autonomy up to 144 hours (about 12 night @flashing mode)

ELECTRICAL FEATURES

- Power consumption 2.4W/day (Lamp:12 hours on - 12 hours off)
- Working with solar energy
- Integrated circuit protection
- Automatic changeover from normal to stand-by LED circuit

APPLY TO

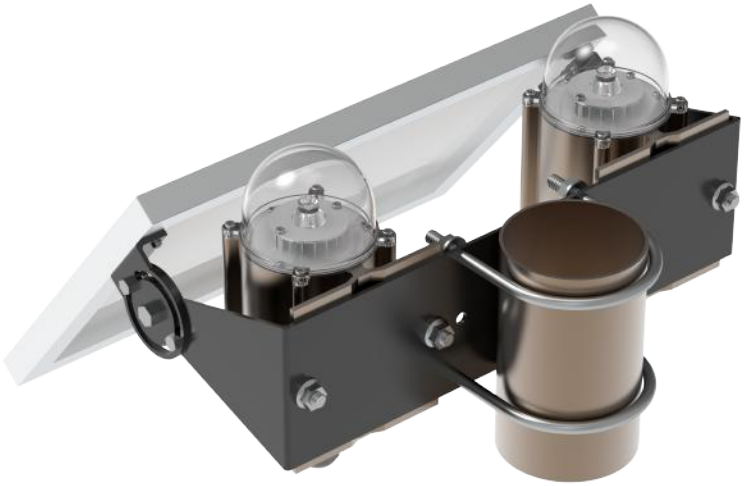
- Stack
- Airport
- Pipe line
- High Building
- Transmission line
- Radio and TV tower
- Wind turbine
- Tower crane
- Chimney
- Antenna
- Bridge
- Radar

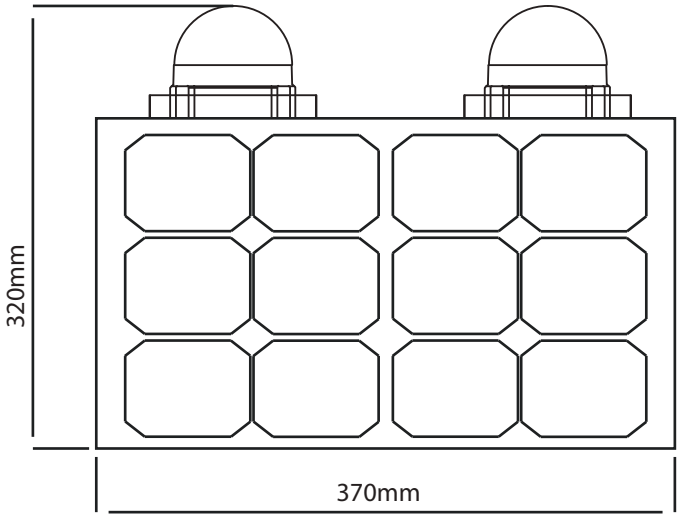
CERTIFICATIONS

- ICAO
- IP-66
- CE marking
- ISO 9001:2015
- ISO 14001:2015

COMPLIANCE

- ICAO Aerodromes -Annex 14 Volume 1, Chapter 6: Low intensity, Type A-B steady burning obstacle light, Type E flashing obstacle light





MEDIUM INTENSITY OBSTRUCTION LIGHTS

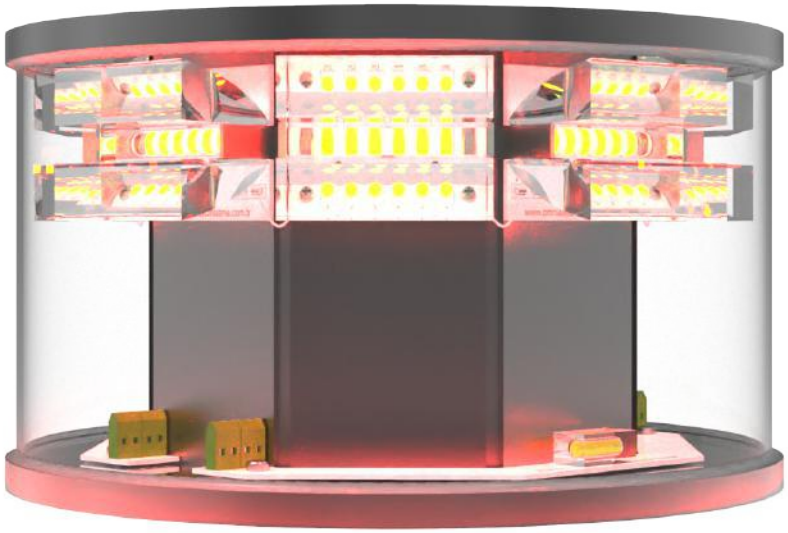
Omnia Medium Intensity Obstruction Light is a high-performance aviation warning light, fully compliant with **ICAO Medium Intensity Obstruction Light (Type A / Type B-C)** and **FAA (Type L-864, L-865, L-866)** standards. It provides a reliable solution for chimneys, towers, cranes, power plants, and other tall structures.

The light delivers powerful LED illumination for aviation marking, combining **low energy consumption** with **long service life.** Its **robust design** ensures **stable performance** in different installation environments.

With **built-in GPS synchronization,** multiple units can operate in **perfect sync without external wiring,** while the **integrated photocell** automatically switches between day and night modes based on ambient light conditions. The use of LED technology ensures **long lifespan, low energy consumption, and maintenance-free operation,** making it ideal for both single installations and large-scale projects.

Medium Intensity Obstruction Light

OMNİA OMN-L864-MI-R
Datasheet



NIGHT

2.000 CD RED

ICAO Type B-C

FAA L-864

- Easy adjustment with LCD display
- Built-in GPS synchronisation
- Built-in photocell

OMN-L864-MI-R is a high-performance aviation obstruction light designed in compliance with the **ICAO Medium Intensity Obstruction Light Type B-C** and **FAA (Type L-864)** standards. It provides a reliable solution for chimneys, towers, cranes, power plants, and other tall structures.

The light operates in **Night mode with 2.000 cd red light output,** ensuring aviation safety while minimizing light pollution. It features an **easy adjustment system via LCD display,** allowing all parameters to be set quickly on site

With **built-in GPS synchronization,** multiple units can operate in **perfect sync without external wiring,** while the **integrated photocell** automatically switches between day and night modes based on ambient light conditions. The use of white LED technology ensures **long lifespan, low energy consumption, and maintenance-free operation,** making it ideal for both single installations and large-scale projects.

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Medium Intensity Obstruction Light

OMNİA Lighting

TECHNICAL FEATURES

- 2.000 candela RED light
- Long life time > 10 years
- Horizontal beam radiation: 360°
- Vertical beam spread: >3°
- Changeable flash duration (1ms-1000ms)
- Adjustable flash rate (20fpm-30fpm-40fpm-60fpm)
- Dry contact alarm relay
- Modubus RS-485
- EMC Compliance, No RF Radiation

ELECTRICAL FEATURES

- AC- models, wide AC voltage range: Nominal 100...240VAC, Nominal 50 ... 60Hz
- DC- models, wide DC voltage range: Nominal 10...60VDC
- LED feeded at costant current
- Overvoltage protection
- Relative Humidity % 10 ~% 95
- Power consumption
  - @20fpm: 6W
  - @30fpm: 8W
  - @40fpm: 10W
  - @60fpm: 14W
  - @Steady mode: 50W

LIGHT MECHANICAL FEATURES

- Anodised aluminium body
- Policarbonate UV resistant dome
- Degree of protection: IP66
- Operating temperature: -40°C to +55°C
- AISI 304 stainless steel mounting bracket
- Gore-Tex valve
- Lamp unit weight 4.0 kg
- Dimensions 259mmx140mm

APPLY TO

- Stack
- Airport
- Pipe line
- High Building
- Transmission line
- Radio and TV tower
- Wind turbine
- Tower crane
- Chimney
- Antenna
- Bridge
- Radar

FUNCTIONS

- LED technology, low power consumption, and high efficiency
- 8 LED projector
- LCD display
- Ability to work in the desired time range
- Special lens conforming to ICAO and FAA standards
- Internal photocell
- Low wind load factor
- Ease of mounting

CERTIFICATIONS

- ICAO
- FAA
- IP-66
- CE marking
- ISO 9001:2015
- ISO 14001:2015

OPTIONS

- Borosilicate glass cover
- Twin (double) light
- GPS synchronization
- Infrared version

RECOMMENDED CABLES

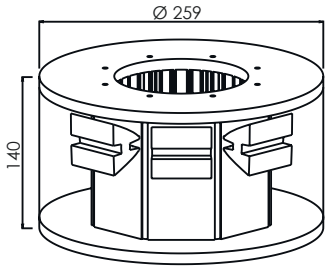
- Control Box
  - AC Input: 3x1,5mm² or 3x2,5mm² (L-N-PE)
  - DC Input (long distance): 3x4mm² or 3x6mm²
- Lamp Energy Input: 3x2,5mm² ((+) (-) (PE))
- Data: CAT 6 or 3x0,75 mm²
- Alarm: 3x1,5mm² or 3x2,5mm²
- Power + Alarm: 6x1,5mm² or 6x2,5mm²

COMPLIANCE

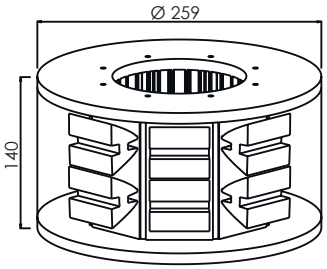
- ICAO Aerodromes - Annex 14 Volume 1, Chapter 6: Medium intensity, Type B/C
- FAA Compliant, Advisory Circular AC 150/5345-43J: FAA L-864

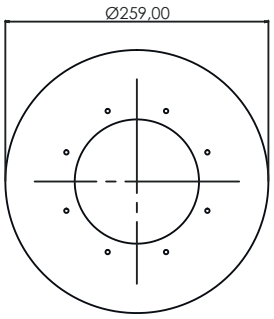
Technical Specifications

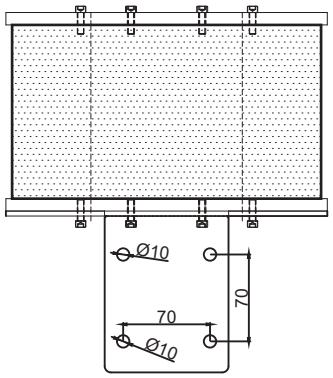
SINGLE VERSION

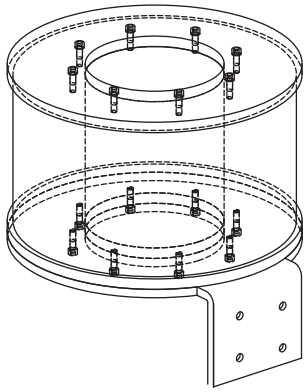


TWIN VERSION

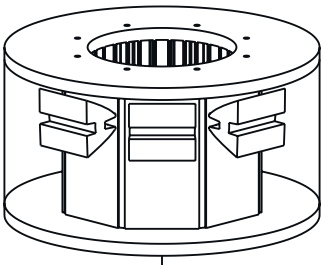


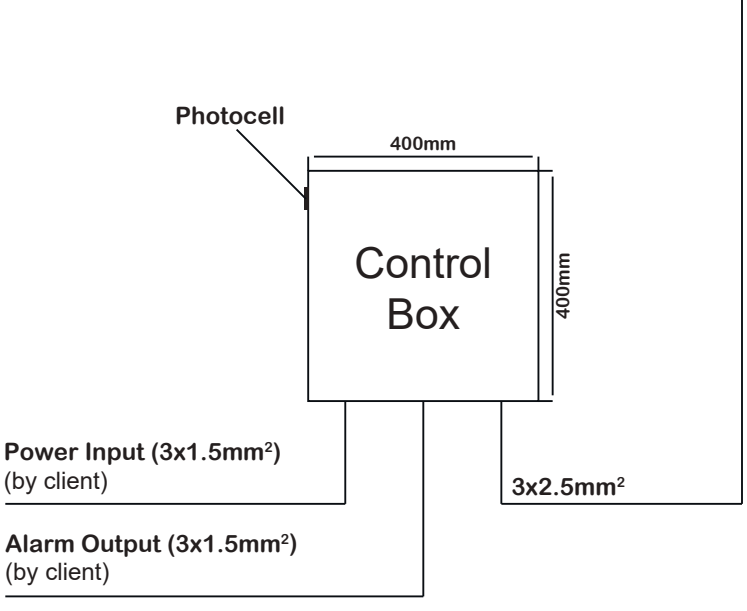






Connection Diagram





Medium Intensity Obstruction Light

OMNİA OMN-MI-R06

Datasheet

NIGHT

2.000 CD RED

ICAO Type B-C

FAA L-864

- Built-in GPS synchronisation
- Plug and play design
- Cost-effective

OMN-MI-R06 is a high-performance aviation obstruction light designed in compliance with the I**CAO Medium Intensity Obstruction Light Type B-C and FAA (Type L-864)** standards. It provides a **reliable and cost-effective solution** for chimneys, towers, cranes, power plants, and other tall structures.

The light operates in Night mode with **2,000 cd red light output,** ensuring aviation safety while minimizing light pollution. Designed as an **economical product,** the system features a **plug and play design** for fast and easy installation. **Flash rates are adjustable via DIP switches in the range of 20–60 fpm.** The system is **maintenance-free,** providing long-term reliable operation.

With built-in **GPS synchronization,** multiple units can operate in perfect sync without external wiring. The integrated **photocell** automatically switches between day and night modes based on ambient light conditions. The use of **high-efficiency LED technology** ensures long lifespan and low energy consumption, making it ideal for both single installations and large-scale projects.

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Medium Intensity Obstruction Light

OMNİA Lighting

TECHNICAL FEATURES

- 2.000 candela RED light
- Long life time > 10 years
- Horizontal beam radiation: 360°
- Vertical beam spread: >3°
- Adjustable flash rate (20fpm-60fpm)
- Dry contact alarm relay
- EMC Compliance, No RF Radiation

LIGHT MECHANICAL FEATURES

- Engineering-grade polyamide body
- Policarbonate UV resistant dome
- Degree of protection: IP66
- Operating temperature: -40°C to +55°C
- Bolts- Nuts - Washer: Stainless Steel
- Mounting: 4 hole 100mm bolt pattern
- Lamp unit weight 2.0 kg
- Dimensions 247mmx205mm

FUNCTIONS

- LED technology, low power consumption, and high efficiency
- 6 LED projector
- LCD display
- Special lens conforming to ICAO and FAA standards
- Built-in GPS synchronisation
- Internal photocell
- Plug and play design

RECOMMENDED CABLES

- Control Box
  AC Input: 3x1,5mm² or 3x2,5mm² (L-N-PE)
  DC Input (long distance): 3x4mm² or 3x6mm²
- Lamp Energy Input: 3x2,5mm² ((+) (-) (PE))
- Data: CAT 6 or 3x0,75 mm²
- Alarm: 3x1,5mm² or 3x2,5mm²
- Power + Alarm: 6x1,5mm² or 6x2,5mm²

COMPLIANCE

- ICAO Aerodromes - Annex 14 Volume 1, Chapter 6: Medium intensity, Type B/C
- FAA Compliant, Advisory Circular AC 150/5345-43J: FAA L-864

ELECTRICAL FEATURES

- AC- models, wide AC voltage range: Nominal 100...240VAC, Nominal 50 ... 60Hz
- DC- models, wide DC voltage range: Nominal 10...60VDC
- LED feeded at costant current
- Overvoltage protection
- Relative Humidity % 10 ~% 95
- Power consumption
  - @20fpm: 6W
  - @30fpm: 8W
  - @40fpm: 10W
  - @60fpm: 14W
  - @Steady mode: 50W

APPLY TO

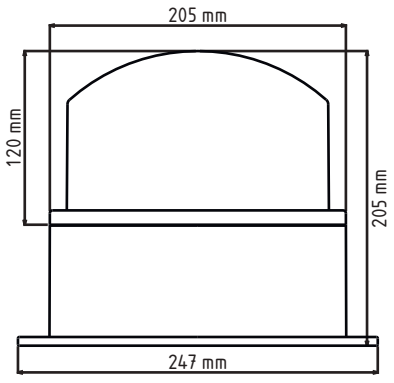
- Stack
- Airport
- Pipe line
- High Building
- Transmission line
- Radio and TV tower
- Wind turbine
- Tower crane
- Chimney
- Antenna
- Bridge
- Radar

CERTIFICATIONS

- ICAO
- FAA
- IP-66
- CE marking
- ISO 9001:2015
- ISO 14001:2015

OPTIONS

- Twin (double) light
- Infrared version



Medium Intensity Obstruction Light

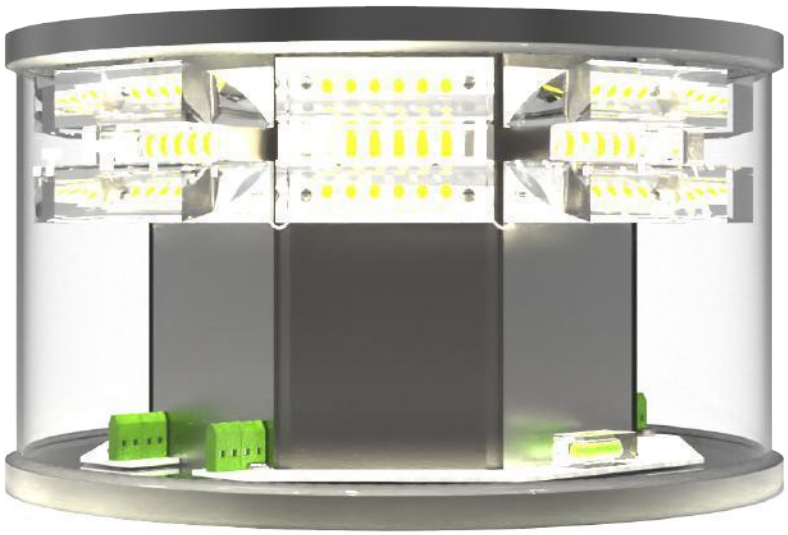
OMNİA OMN-L865-MI-W

Datasheet

DAY
20.000 CD WHITE
NIGHT
2.000 CD WHITE

ICAO Type A

FAA L-865



- Easy adjustment with LCD display
- Built-in GPS synchronisation
- Built-in photocell

OMN-L865-MI-W is a high-performance aviation obstruction light designed in compliance with the **ICAO Medium Intensity Obstruction Light Type A** and **FAA (Type L-865)** standards. It provides a reliable solution for chimneys, towers, cranes, power plants, and other tall structures.

The light delivers **20.000 cd white light in Day mode,** ensuring clear long-distance visibility, and **2.000 cd white light in Night mode** to maintain safety while **reducing light pollution.** It features an easy adjustment system via LCD display, allowing all parameters to be set quickly on site.

With **built-in GPS synchronization,** multiple units can operate in **perfect sync without external wiring,** while the **integrated photocell** automatically switches between day and night modes based on ambient light conditions. The use of white LED technology ensures **long lifespan, low energy consumption, and maintenance-free operation,** making it ideal for both single installations and large-scale projects.

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Medium Intensity Obstruction Light

OMNİA Lighting

TECHNICAL FEATURES

- 20.000 candela WHITE light @ Day
- 2.000 candela WHITE light @ Night
- Long life time > 10 years
- Horizontal beam radiation: 360°
- Vertical beam spread: >3°
- Changeable flash duration (1ms-250ms)
- Adjustable flash rate (20fpm-30fpm-40fpm-60fpm)
- Dry contact alarm relay
- Modubus RS-485
- EMC Compliance, No RF Radiation

LIGHT MECHANICAL FEATURES

- Anodised aluminium body
- Policarbonate UV resistant dome
- Degree of protection: IP66
- Operating temperature: -40°C to +55°C
- AISI 304 stainless steel mounting bracket
- Gore-Tex valve
- Lamp unit weight 5.0 kg
- Dimensions 259mmx140mm

FUNCTIONS

- LED technology, low power consumption, and high efficiency
- 8 LED projector
- LCD display
- Ability to work in the desired time range
- Special lens conforming to ICAO and FAA standards
- Internal photocell
- Low wind load factor
- Ease of mounting

RECOMMENDED CABLES

- Control Box
  AC Input: 3x1,5mm² or 3x2,5mm² (L-N-PE)
  DC Input (long distance): 3x4mm² or 3x6mm²
- Lamp Energy Input: 3x2,5mm² ((+) (-) (PE))
- Data: CAT 6 or 3x0,75 mm²
- Alarm: 3x1,5mm² or 3x2,5mm²
- Power + Alarm: 6x1,5mm² or 6x2,5mm²

ELECTRICAL FEATURES

- AC- models, wide AC voltage range: Nominal 100...240VAC, Nominal 50 ... 60Hz
- DC- models, wide DC voltage range: Nominal 10...60VDC
- LED feeded at costant current
- Overvoltage protection
- Relative Humidity % 10 ~% 95
- Power consumption

@20fpm	@40fpm	@60fpm
Day:16W	Day: 32W	Day: 48W
Night: 6W	Night: 9W	Night: 11W

APPLY TO

- Stack
- Airport
- Pipe line
- High Building
- Transmission line
- Radio and TV tower
- Wind turbine
- Tower crane
- Chimney
- Antenna
- Bridge
- Radar

CERTIFICATIONS

- ICAO
- FAA
- IP-66
- CE marking
- ISO 9001:2015
- ISO 14001:2015

OPTIONS

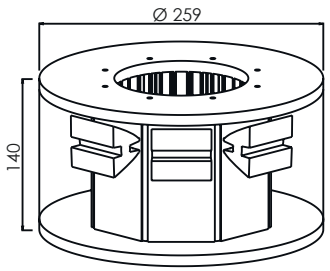
- Borosilicate glass cover
- Twin (double) light
- GPS synchronization

COMPLIANCE

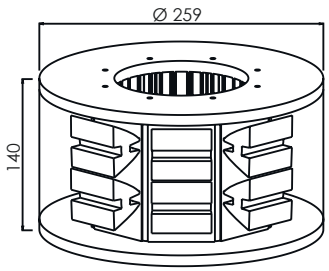
- ICAO Aerodromes - Annex 14 Volume 1, Chapter 6: Medium intensity, Type A flashing obstacle light
- FAA Compliant, Advisory Circular AC 150/5345-43J: FAA L-865

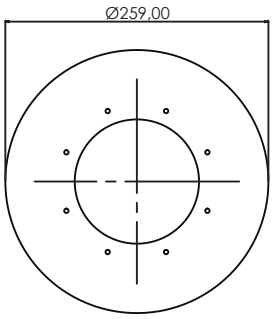
Technical Specifications

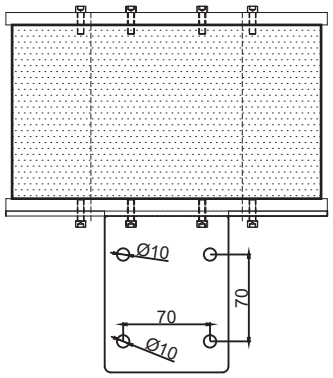
SINGLE VERSION

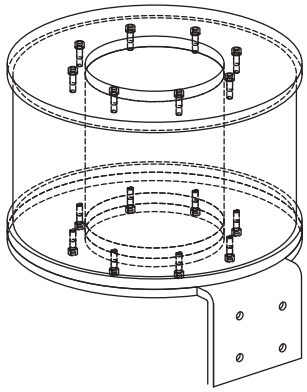


TWIN VERSION

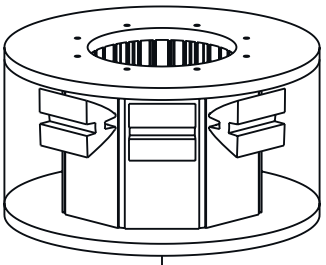


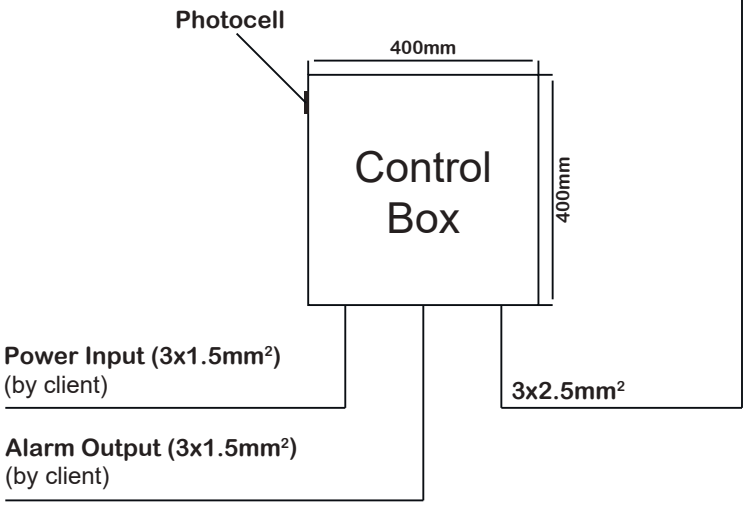






Connection Diagram

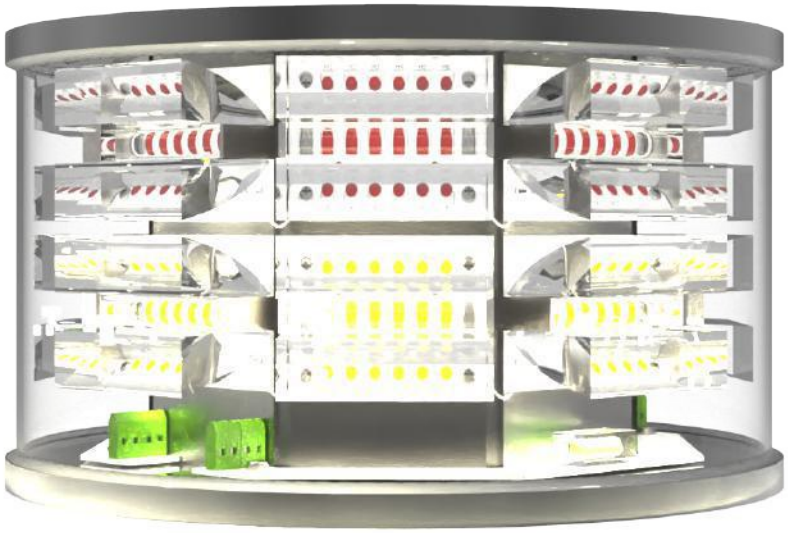




Medium Intensity Obstruction Light

OMNİA OMN-L864/L865-MI-WR

Datasheet



DAY

20.000 CD WHITE

NIGHT

2.000 CD RED

ICAO Type A/B-C

FAA L-864/L-865

- Easy adjustment with LCD display
- Built-in GPS synchronisation
- Built-in photocell

OMN-L-864/L865-MI-WR is a high-performance aviation obstruction light designed in compliance with the **ICAO Medium Intensity Obstruction Light Type A/B-C** and **FAA (Type L864/L-865)** standards. It provides a reliable solution for chimneys, towers, cranes, power plants, and other tall structures.

The light delivers **20.000 cd white light in Day mode,** ensuring clear long-distance visibility, and **2.000 cd red light in Night mode** to maintain safety while **reducing light pollution.** It features an easy adjustment system via LCD display, allowing all parameters to be set quickly on site.

With **built-in GPS synchronization,** multiple units can operate in **perfect sync without external wiring,** while the **integrated photocell** automatically switches between day and night modes based on ambient light conditions. The use of white LED technology ensures **long lifespan, low energy consumption, and maintenance-free operation,** making it ideal for both single installations and large-scale projects.

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Medium Intensity Obstruction Light

OMNİA Lighting

TECHNICAL FEATURES

- 20.000 candela WHITE light @ Day
- 2.000 candela RED light @ Night
- Long life time > 10 years
- Horizontal beam radiation: 360°
- Vertical beam spread: >3°
- Changeable flash duration
  White (1ms-250ms)
  Red (1ms-1000ms)
- Adjustable flash rate
  (20fpm-30fpm-40fpm-60fpm)
- Dry contact alarm relay
- Modubus RS-485
- EMC Compliance, No RF Radiation

LIGHT MECHANICAL FEATURES

- Anodised aluminium body
- Policarbonate UV resistant dome
- Degree of protection: IP66
- Operating temperature: -40°C to +55°C
- AISI 304 stainless steel mounting bracket
- Gore-Tex valve
- Lamp unit weight 6.0 kg
- Dimensions 259mmx140mm

FUNCTIONS

- LED technology, low power consumption, and high efficiency
- 16 LED projector
- LCD display
- Ability to work in the desired time range
- Special lens conforming to ICAO and FAA standards
- Internal photocell
- Low wind load factor
- Ease of mounting

RECOMMENDED CABLES

- Control Box
  AC Input: 3x1,5mm² or 3x2,5mm² (L-N-PE)
  DC Input (long distance): 3x4mm² or 3x6mm²
- Lamp Energy Input: 5x2,5mm² (2x(+) 2x(-) 1x(PE))
- Data: CAT 6 or 3x0,75 mm²
- Alarm: 3x1,5mm² or 3x2,5mm²
- Power + Alarm: 6x1,5mm² or 6x2,5mm²

ELECTRICAL FEATURES

- AC- models, wide AC voltage range: Nominal 100...240VAC, Nominal 50 ... 60Hz
- DC- models, wide DC voltage range: Nominal 10...60VDC
- LED feeded at costant current
- Overvoltage protection
- Relative Humidity % 10 ~% 95
- Power consumption

@20fpm	@40fpm	@60fpm
Day:16W	Day: 32W	Day: 48W
Night: 6W	Night: 10W	Night: 14W

@Red Steady mode: 50W

APPLY TO

- Stack
- Airport
- Pipe line
- High Building
- Transmission line
- Radio and TV tower
- Wind turbine
- Tower crane
- Chimney
- Antenna
- Bridge
- Radar

CERTIFICATIONS

- ICAO
- FAA
- IP-66
- CE marking
- ISO 9001:2015
- ISO 14001:2015

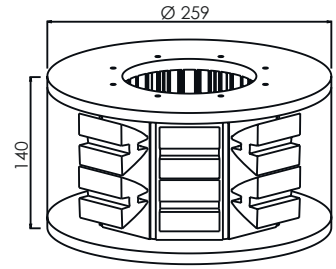
OPTIONS

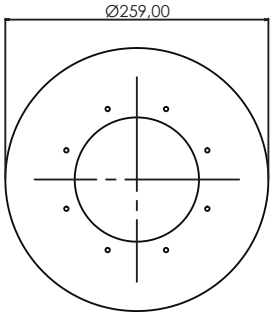
- Borosilicate glass cover
- Twin (double) light
- GPS synchronization
- Infrared version

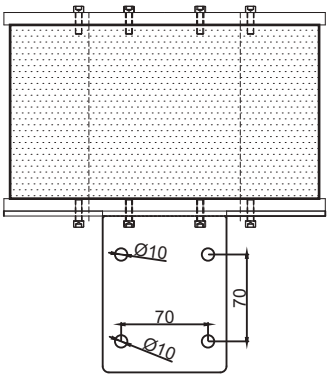
COMPLIANCE

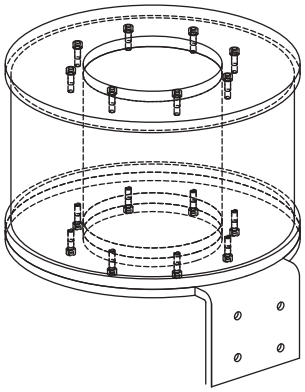
- ICAO Aerodromes -Annex 14 Volume 1, Chapter 6: Medium intensity, Type AB/AC
- FAA Compliant, Advisory Circular AC 150/5345-43J: FAA L-864+L-865

Technical Specifications

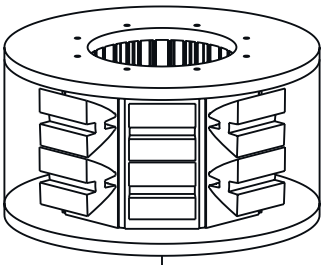


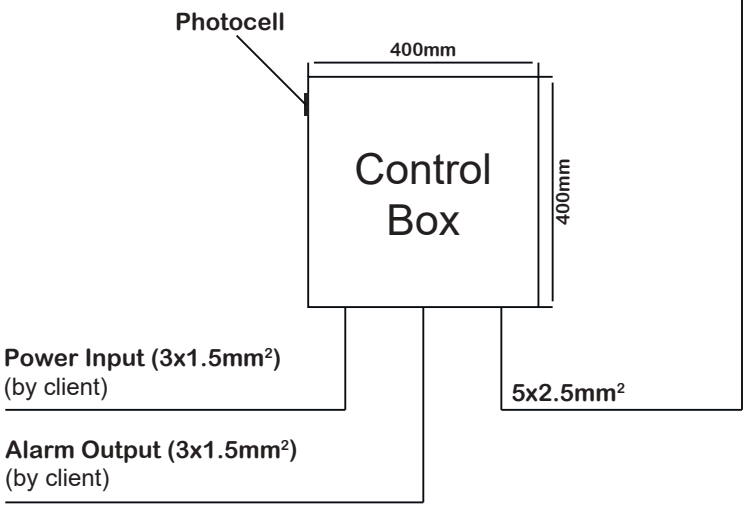






Connection Diagram





Medium Intensity Single OBL
With Solar Powered

OMNİA OMN-L864-SP
Datasheet

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Medium Intensity Single OBL With Solar Powered

OMNIA AYDINLATMA

OPTICAL FEATURES

- 2.000 candela RED light
- LED life time > 10 years
- RED light - Flashing
- Horizontal beam radiation: 360°
- Vertical beam spread: >3°
- Flash rate 20fpm
- Flash duration100ms
- Dry contact alarm relay
- EMC Compliance, No RF Radiation

LIGHT MECHANICAL FEATURES

- UV protected polycarbonate cover
- Aluminium body
- Degree of protection IP-66
- Gore-Tex valve
- Operating temperature range -40˚C ~ +55˚C
- System unit weight 25.0 kg
- Dimensions 720mmx680mmx500mm

SOLAR SYSTEM

- 24V 12Ah Battery
- 50 Watt high efficiency solar panel
- Adjustable panel angle
- Charging regulation: PWM
- Autonomy up to 120 hours (about 10 night @flashing mode)

ELECTRICAL FEATURES

- Power consumption 26W/day (Lamp:12 hours on - 12 hours off)
- Working with solar energy
- Integrated circuit protection

APPLY TO

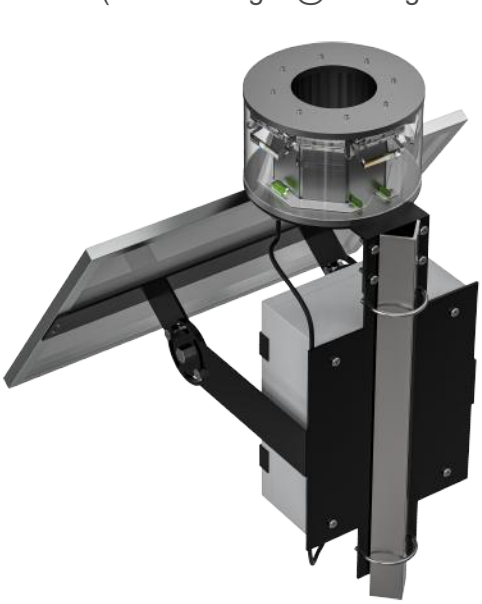
- Stack
- Airport
- Pipe line
- High Building
- Transmission line
- Radio and TV tower
- Wind turbine
- Tower crane
- Chimney
- Antenna
- Bridge
- Radar

CERTIFICATIONS

- ICAO
- FAA
- IP-66
- CE marking
- ISO 9001:2015
- ISO 14001:2015

COMPLIANCE

- ICAO Aerodromes -Annex 14 Volume 1, Chapter 6: Medium intensity, Type B flashing and Type C steady burning obstacle light,



Medium Intensity Single OBL
With Solar Powered

OMNİA OMN-MI-R-06-SP
Datasheet

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Medium Intensity Single OBL With Solar Powered

OMNİA Lighting

OPTICAL FEATURES

- 2.000 candela RED light
- LED life time > 10 years
- RED light - Flashing
- Horizontal beam radiation: 360°
- Vertical beam spread: >3°
- Flash rate - 20fpm
- Flash duration - 100ms
- Dry contact alarm relay (option)
- EMC Compliance, No RF Radiation

LIGHT MECHANICAL FEATURES

- Engineering-grade polyamide body
- UV protected polycarbonate cover
- Mounting bracket: stainless steel
- Degree of protection IP-66
- Bolts- Nuts - Washer: Stainless Steel
- Operating temperature range -40˚C ~ +55˚C
- System unit weight 8.5 kg
- Dimensions 420mmx420mmx400mm
- Mounting M8 U-Bolt (included)

SOLAR SYSTEM

- 12V/7Ah Maintenance Free Battery
- 12 Watt high efficiency solar panel
- Adjustable panel angle
- Charging regulation: PWM
- Autonomy up to 60 hours
  (about 5 night @flashing mode)

ELECTRICAL FEATURES

- Power consumption 26W/day
  (Lamp:12 hours on - 12 hours off)
- Working with solar energy
- Integrated circuit protection

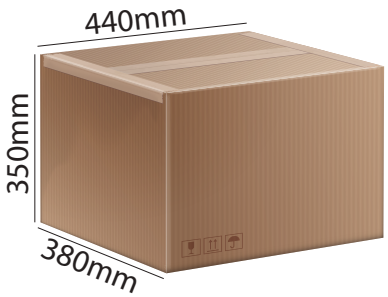
APPLY TO

- Stack
- Airport
- Pipe line
- High Building
- Transmission line
- Radio and TV tower
- Wind turbine
- Tower crane
- Chimney
- Antenna
- Bridge
- Radar

COMPLIANCE

- ICAO Aerodromes -Annex 14 Volume 1, Chapter 6: Medium intensity, Type B flashing and Type C steady burning obstacle light,

PACKING DETAIL



HIGH INTENSITY OBSTRUCTION LIGHTS

Omnia High Intensity Obstruction Light is a high-performance aviation warning light, fully compliant with **ICAO High Intensity Obstruction Light (Type A / Type B)** and **FAA (Type L-856, L-857)** standards. It provides a reliable solution for chimneys, towers, cranes, power plants, and other tall structures.

The light delivers powerful LED illumination for aviation marking, combining **low energy consumption** with **long service life.** Its **robust design** ensures **stable performance** in different installation environments.

With **built-in GPS synchronization,** multiple units can operate in **perfect sync without external wiring,** while the **integrated photocell** automatically switches between day, twilight and night modes based on ambient light conditions. The use of white LED technology ensures **long lifespan, low energy consumption, and maintenance-free operation,** making it ideal for both single installations and large-scale projects.

OMNİA OMN-L856-HI-W200

Datasheet

DAY
200.000 CD WHITE

TWILIGHT
20.000 CD WHITE

NIGHT
2.000 CD WHITE

ICAO Type A

FAA L-856

- Easy adjustment with LCD display
- Built-in GPS synchronisation
- Built-in photocell

OMN-L856-HI-W200 is a high-performance aviation obstruction light designed in compliance with the **ICAO High Intensity Obstruction Light Type A** and **FAA (Type L856)** standards. It provides a reliable solution for chimneys, towers, cranes, power plants, and other tall structures.

The light delivers **200,000 cd white light in Day mode, 20,000 cd white light in Twilight mode,** and **2,000 cd white light in Night mode,** ensuring optimal visibility and aviation safety under all operating conditions. It features an easy adjustment system via **LCD display,** allowing all parameters to be set quickly on site.

With **built-in GPS synchronization,** multiple units can operate in **perfect sync without external wiring,** while the **integrated photocell** automatically switches between day and night modes based on ambient light conditions. The use of white LED technology ensures **long lifespan, low energy consumption, and maintenance-free operation,** making it ideal for both single installations and large-scale projects.

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High Intensity Obstruction Light

OMNİA Lighting

TECHNICAL FEATURES

- 200.000 candela WHITE light @ Day
- 20.000 candela WHITE light @ Twilight
- 2.000 candela White light @ Night
- Long life time > 10 years
- Horizontal beam radiation: 120° or 360°
- Vertical beam spread: +3° / +7°
- Changeable flash duration
  White (1ms-250ms)
- Adjustable flash rate
  (20fpm-30fpm-40fpm-60fpm)
- Dry contact alarm relay
- EMC Compliance, No RF Radiation
- Modubus RS-485

LIGHT MECHANICAL FEATURES

- Anodised aluminium body
- Policarbonate UV resistant dome
- Degree of protection: IP66
- Operating temperature: -40°C to +55°C
- AISI 304 stainless steel mounting bracket
- Gore-Tex valve
- Lamp unit weight 26.0 kg
- Dimensions 259mmx630mm

FUNCTIONS

- LED technology, low power consumption, and high efficiency
- 36 LED projector @120°
- 96 LED projector @360°
- LCD display
- Ability to work in the desired time range
- Special lens conforming to ICAO and FAA standards
- Internal photocell
- Low wind load factor
- Ease of mounting

RECOMMENDED CABLES

- Control Box
  AC Input: 3x4mm² or 3x6mm² (L-N-PE)
  DC Input (long distance): 3x12mm² or 3x16mm²
- Lamp Energy Input 120°: 13x4mm² (6x(+) 6x(-) 1x(PE))
- Lamp Energy Input 360°: 25x4mm² (12x(+) 12x(-) 1x(PE))
- Data: CAT 6 or 3x0,75 mm²

ELECTRICAL FEATURES

- AC- models, wide AC voltage range: Nominal 100...240VAC, Nominal 50 ... 60Hz
- DC- models, wide DC voltage range: Nominal 10...60VDC
- LED feeded at costant current
- Overvoltage protection
- Relative Humidity % 10 ~% 95
- Power consumption $40fpm / 100ms

  Day:150W Twilight: 32W Night: 8W

APPLY TO

- Stack
- Airport
- Pipe line
- High Building
- Transmission line
- Radio and TV tower
- Wind turbine
- Tower crane
- Chimney
- Antenna
- Bridge
- Radar

CERTIFICATIONS

- ICAO
- FAA
- IP-66
- CE marking
- ISO 9001:2015
- ISO 14001:2015

OPTIONS

- Dual lamp options
  - **Dual A/B**
    Day/Twilight white flashing light
    Night 2.000 cd red flashing light (Dual AB)
  - **Dual A/C**
    Day/Twilight white flashing light
    Night 2.000 cd red steady light (Dual AB)
- GPS synchronization
- Borosilicate glass cover

COMPLIANCE

- ICAO Aerodromes -Annex 14 Volume 1, Chapter 6: High intensity, Type A
- FAA Compliant, Advisory Circular AC 150/5345-43J: FAA L-856

OMNİA OMN-L857-HI-W100

Datasheet

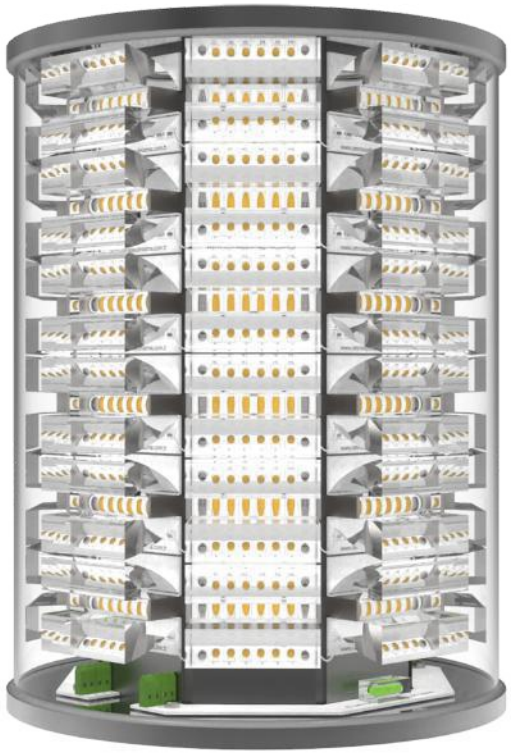
DAY
100.000 CD WHITE

TWILIGHT
20.000 CD WHITE

NIGHT
2.000 CD WHITE

ICAO Type A

FAA L-856



- Easy adjustment with LCD display
- Built-in GPS synchronisation
- Built-in photocell

OMN-L857-HI-W100 is a high-performance aviation obstruction light designed in compliance with the **ICAO High Intensity Obstruction Light Type B** and **FAA (Type L857)** standards. It provides a reliable solution for chimneys, towers, cranes, power plants, and other tall structures.

The light delivers **100,000 cd white light in Day mode, 20,000 cd white light in Twilight mode,** and **2,000 cd white light in Night mode,** ensuring optimal visibility and aviation safety under all operating conditions. It features an easy adjustment system via **LCD display,** allowing all parameters to be set quickly on site.

With **built-in GPS synchronization,** multiple units can operate in **perfect sync without external wiring,** while the **integrated photocell** automatically switches between day and night modes based on ambient light conditions. The use of white LED technology ensures **long lifespan, low energy consumption, and maintenance-free operation,** making it ideal for both single installations and large-scale projects.

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High Intensity Obstruction Light

OMNİA Lighting

TECHNICAL FEATURES

- 100.000 candela WHITE light @ Day
- 20.000 candela WHITE light @ Twilight
- 2.000 candela White light @ Night
- Long life time > 10 years
- Horizontal beam radiation: 120° or 360°
- Vertical beam spread: +3° / +7°
- Changeable flash duration
  White (1ms-250ms)
- Adjustable flash rate
  (20fpm-30fpm-40fpm-60fpm)
- Dry contact alarm relay
- EMC Compliance, No RF Radiation
- Modubus RS-485

LIGHT MECHANICAL FEATURES

- Anodised aluminium body
- Policarbonate UV resistant dome
- Degree of protection: IP66
- Operating temperature: -40°C to +55°C
- AISI 304 stainless steel mounting bracket
- Gore-Tex valve
- Lamp unit weight 14.0 kg
- Dimensions 259mmx345mm

FUNCTIONS

- LED technology, low power consumption, and high efficiency
- 18 LED projector @120°
- 48 LED projector @360°
- LCD display
- Ability to work in the desired time range
- Special lens conforming to ICAO and FAA standards
- Internal photocell
- Low wind load factor
- Ease of mounting

RECOMMENDED CABLES

- Control Box
  AC Input: 3x2,5mm² or 3x4mm² (L-N-PE)
  DC Input (long distance): 3x8mm² or 3x10mm²
- Lamp Energy Input 120°: 5x2,5mm² (2x(+) 2x(-) 1x(PE))
- Lamp Energy Input 360°: 13x2,5mm² (6x(+) 6x(-) 1x(PE))
- Data: CAT 6 or 3x0,75 mm²

ELECTRICAL FEATURES

- AC- models, wide AC voltage range: Nominal 100...240VAC, Nominal 50 ... 60Hz
- DC- models, wide DC voltage range: Nominal 10...60VDC
- LED feeded at costant current
- Overvoltage protection
- Relative Humidity % 10 ~% 95
- Power consumption: 120° / $40fpm / 100ms

  Day: 85W Twilight: 18W Night: 8W

APPLY TO

- Stack
- Airport
- Pipe line
- High Building
- Transmission line
- Radio and TV tower
- Wind turbine
- Tower crane
- Chimney
- Antenna
- Bridge
- Radar

CERTIFICATIONS

- ICAO
- FAA
- IP-66
- CE marking
- ISO 9001:2015
- ISO 14001:2015

OPTIONS

- Dual lamp options
  - **Dual B/B**
    Day/Twilight white flashing light
    Night 2.000 cd red flashing light (Dual BB)
  - **Dual B/C**
    Day/Twilight white flashing light
    Night 2.000 cd red steady light (Dual BC)
- GPS synchronization
- Borosilicate glass cover

COMPLIANCE

- ICAO Aerodromes -Annex 14 Volume 1, Chapter 6: High intensity, Type B
- FAA Compliant, Advisory Circular AC 150/5345-43J: FAA L-857

OBSTRUCTION LIGHTS FOR TELECOM TOWER

Omnia provides **complete obstruction lighting solutions** specifically designed for **telecom towers and base stations.** Our systems ensure **reliable aviation marking** while offering **long service life, low energy consumption,** and **easy integration** with existing tower infrastructure.

Using **advanced LED technology,** Omnia telecom obstruction lighting systems deliver **high visibility, maintenance-free operation,** and **stable performance** under harsh environmental conditions. **Modular system architecture** allows **flexible configurations** for different tower heights and layouts, making them suitable for **both new installations and retrofit projects.**

Integrated control units and optional monitoring features provide **fault indication** and **synchronized operation** across multiple lights. This ensures **continuous compliance with aviation safety requirements.**

Low Intensity Obstruction Light System

OMNİA OMN-02
Datasheet

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OMNİA OMN-02

Low Intensity Obstruction Light System

The Omnia Low Intensity Obstruction Light is designed for marking tall structures such as wind turbines, chimneys, masts, cranes, airports, transmission lines, and telecommunication towers. These lights feature extremely low power consumption and long, maintenance-free operational life. In accordance with ICAO Annex 14 regulations, Low Intensity Obstruction Lights are used to warn of the presence of obstacles up to 45m in height.

According to ICAO standards, these devices are categorized as follows:

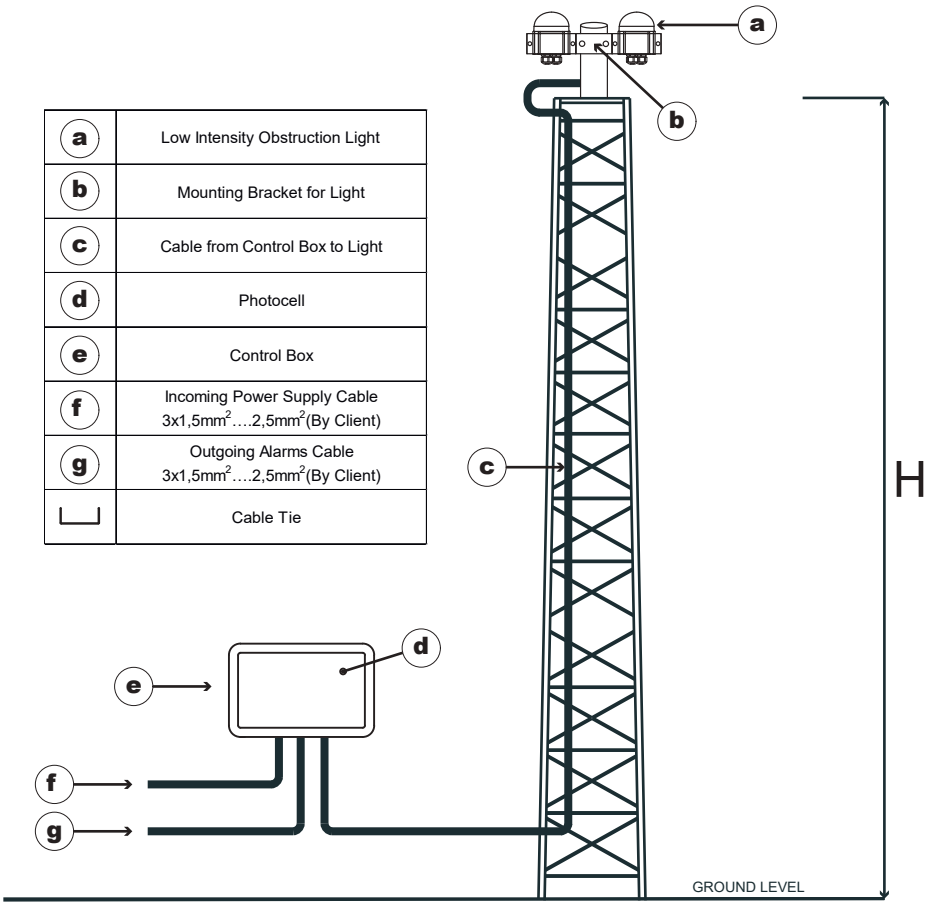
-Type A: Intensity >10cd, steady red.
-Type B: Intensity >32cd, steady red.
-Type E: Intensity >32cd, flashing red.

Product Details:

The OMN-02 is a low-intensity light based on single-LED technology. Designed for night-time beaconing (steady or flashing red), it offers a long lifespan (100,000 hours) with very low power consumption (<2W). The system can be equipped with an integrated photocell for automatic ON/OFF operation and a dry contact for failure alarms.

The system consists of;

:
1 x Double LED Armatur, 1 x Control Box, Mounting Brackets, Cables & Cable Ties, Wooden Shipping Case



a	Low Intensity Obstruction Light
b	Mounting Bracket for Light
c	Cable from Control Box to Light
d	Photocell
e	Control Box
f	Incoming Power Supply Cable 3x1,5mm²….2,5mm²(By Client)
g	Outgoing Alarms Cable 3x1,5mm²….2,5mm²(By Client)
⌴	Cable Tie

Low Intensity Obstruction Light System

OMNIA Lighting

OPTICAL FEATURES

- Based on Single LED-technology
- Low consumption < 2W (each lamp)
- Long life time > 10 years
- RED light - Steady Burning
- RED light - Flashing
- Type-A >10 cd (steady burning)
- Type-B >32 cd (steady burning)
- Type-E >32 cd (flashing)
- Horizontal beam radiation: 360°
- Vertical beam spread: >10°
- Optical reflector

ELECTRICAL FEATURES

- AC- models, wide AC voltage range: Nominal 100...240VAC, Nominal 50 ... 60Hz
- DC- models, wide DC voltage range: Nominal 10...60VDC
- LED feeded at costant current
- Overvoltage protection
- Automatic changeover from normal to stand-by LED circuit

LIGHT MECHANICAL FEATURES

- Anodised aluminium body
- Policarbonate UV resistant dome
- Degree of protection: IP66
- Operating temperature: -40°C to +55°C
- Bolts- Nuts - Washer: Stainless Steel
- Height 110 mm, Width 310 mm
- Weight 0,6 kg (without mounting set)
- Terminal block for 0.75 ...2.5mm² wires
- Mounting M6 U-Bolt (included)

APPLY TO

- Stack
- Airport
- Pipe line
- High Building
- Transmission line
- Radio and TV tower
- Wind turbine
- Tower crane
- Chimney
- Antenna
- Bridge
- Radar

BOX MECHANICAL FEATURES

- Enclosure material: Stainless steel
- Easy adjustment with LCD screen
- Internal power ON LED fault alarm remotization via dry contact
- Internal fault LED for normal and emergency beacon
- General system fault dry contact
- Overvoltage protection twilight sensor fault alarm and dry contact
- Internal photocell
- Degree of protection: IP65
- Dimensions: 140mm x 255mm x 84mm
- Weight 5 kg (without mounting set)

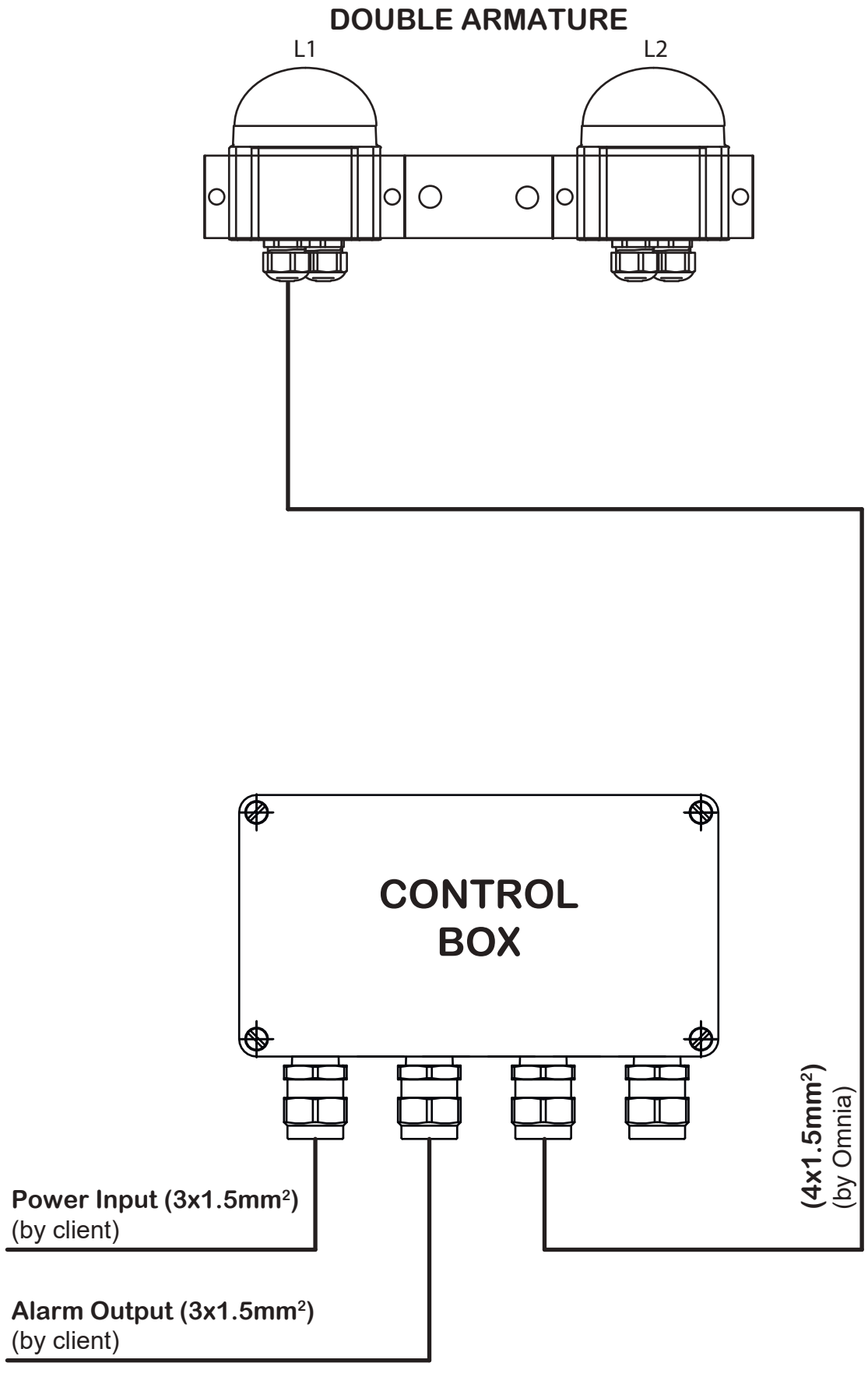
CERTIFICATIONS

- ICAO
- IP-66
- CE marking
- ISO 9001:2015
- ISO 14001:2015

COMPLIANCE

- ICAO Aerodromes -Annex 14 Volume 1, Chapter 6: Low intensity, Type A-B steady burning obstacle light, Type E flashing obstacle light

Connection Diagram



Installation Instructions

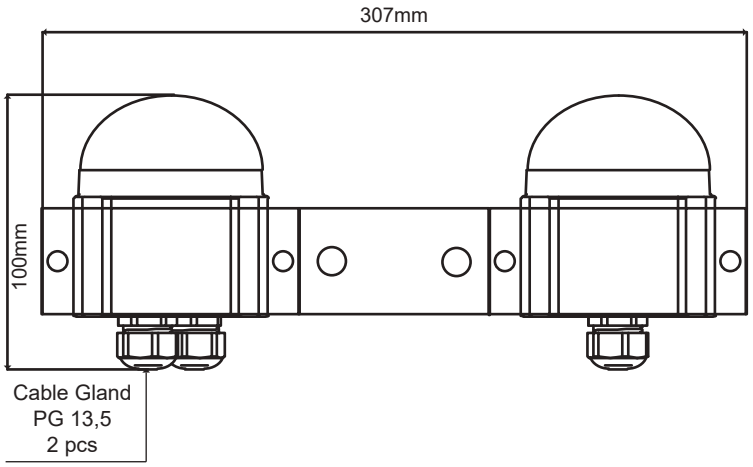
Open the four bottom plate screws. Route power and data cables using cable gland(s) on the bottom side of light unit. Connect the cable wires securely to appropriate terminal block connectors. Fix the bottom plate properly in its place and securely tighten all screws.

Bottom plate screws

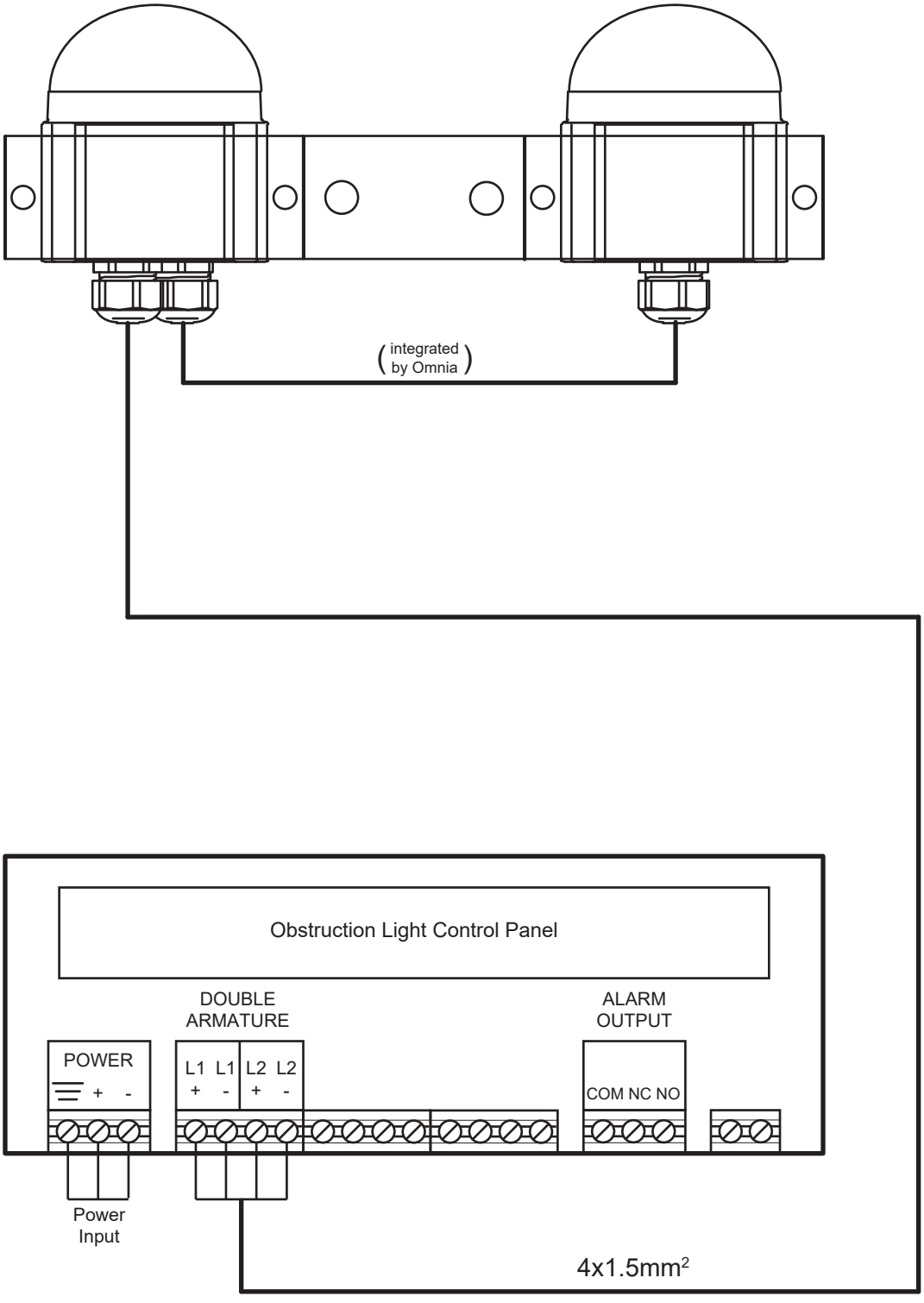
Bottom plate open

Installation Specifications

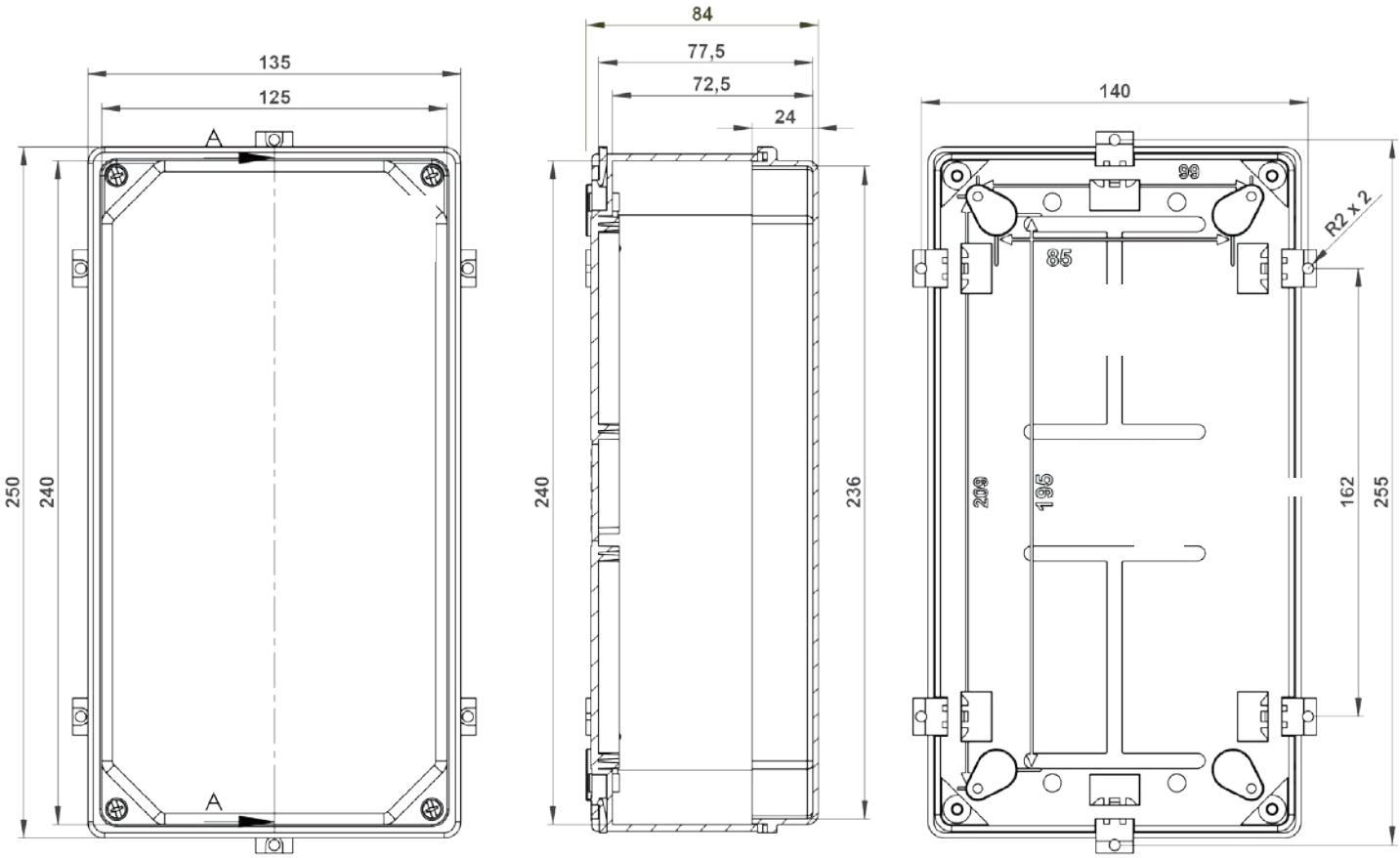
- Cable gland PG 13,5
- Cable diameter 6,3 to 11 mm (includes cable gland seal (6-12mm)
- Wire diameter max. 4 mm^2 (option 6 mm^2)
- Recommended cable 4x1.5 mm^2 or 4x2.5 mm^2
- M8 U-Bolt (included nut and bolt)



Installation Instructions



Control Box Technical Specifications



Packing Details

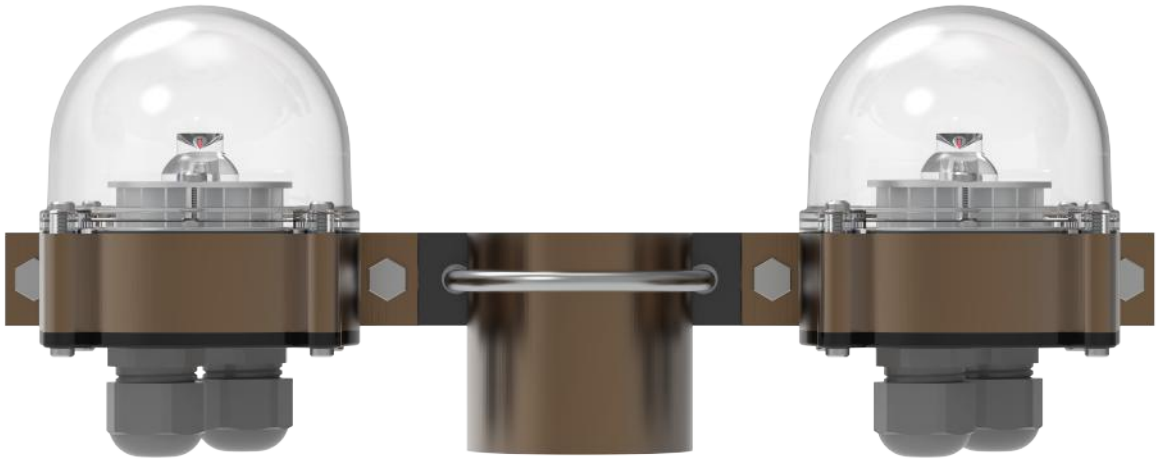
Example for 30mt Tower			
Description	**Weight**	**Dimensions**	**Image**
Low Intensity Double Obstacle Light With Mounting Bracket	0.6kg	307mm x 100mm	
Control Box with LCD Screen	1kg	117mm x 213mm x 76mm	
40 mt Cable 4x1,5mm^2 (H05VV-F)	5.6kg	Ø400mm	
10pcs Cable Tie	0,1kg	370mm x 3,6mm	
Wooden Case	8kg	460mm x 420mm x 300mm	
Total Weight	**15.3kg**		

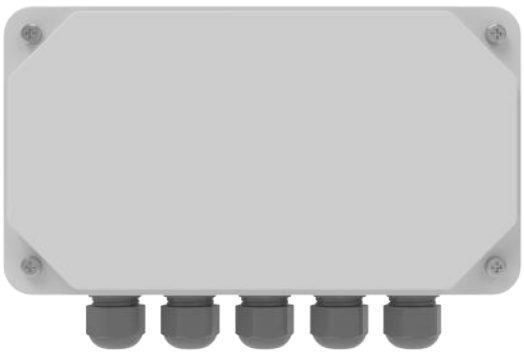
5 mt Tower	10 mt Tower	15 mt Tower	20 mt Tower	25 mt Tower	30 mt Tower	35 mt Tower	40 mt Tower	45 mt Tower
11.80 kg	12.50 kg	13.20 kg	13.90 kg	14.60 kg	15.3 kg	16 kg	16.7 kg	17.40 kg

Low Intensity Obstruction Light System

OMNİA OMN-03

Datasheet





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OMNİA OMN-03

Low Intensity Obstruction Light System

The Omnia low intensity light is designed for marking tall structures such as wind turbines, chimneys, masts, cranes, airports, transmission lines, and telecommunication towers. Omnia low intensity lights feature extremely low power consumption and a long, maintenance-free operational life. In accordance with ICAO Annex 14 regulations, low intensity obstruction lights are used to warn of the presence of obstacles up to 45m in height.

According to ICAO standards, low intensity obstruction lights are the most efficient devices for these applications and feature the following characteristics:

-Type A: Intensity >10cd, steady red.
-Type B: Intensity >32cd, steady red.
-Type E: Intensity >32cd, flashing red.

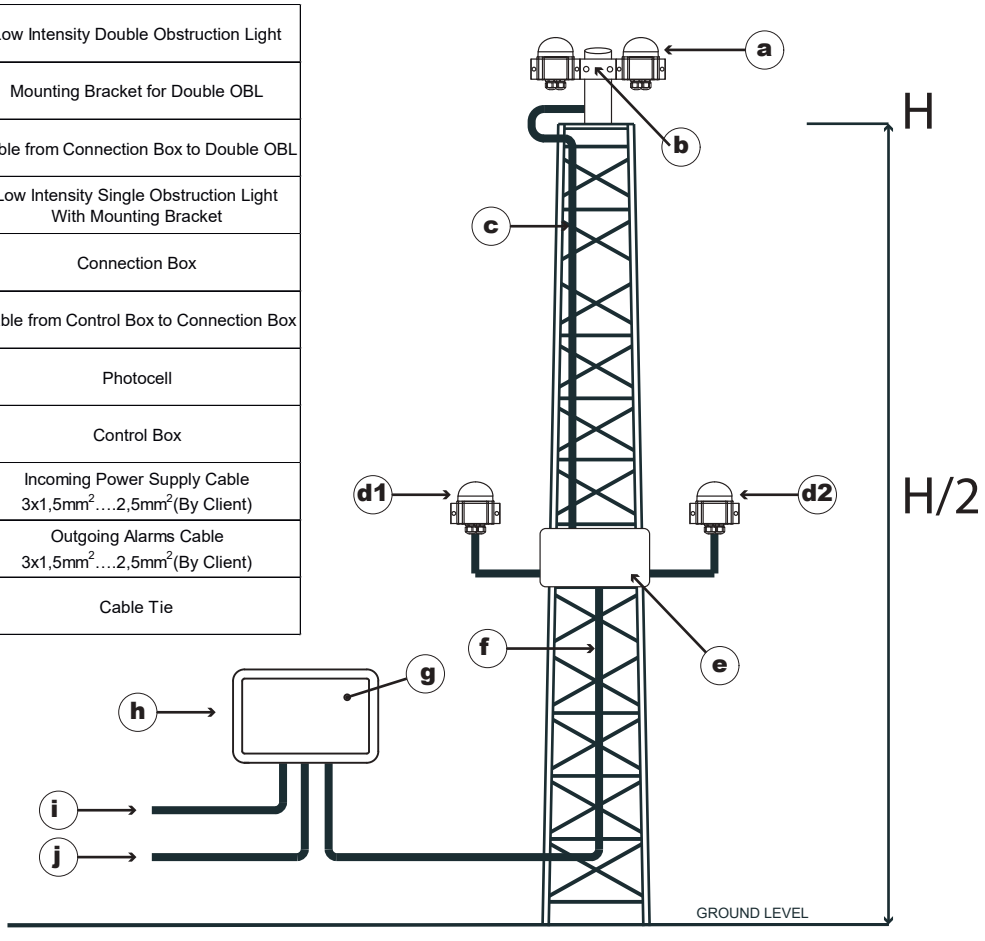
Description:

The OMN-03 is a low-intensity light based on single-LED technology. Designed for night-time beaconing (steady or flashing red), it is a long-life beacon (100,000 hours) with very low power consumption (<8W). The OMN-03 can be equipped with a photocell for automatic ON/OFF operation and a dry contact for failure alarms.

System consists of;

1 unit Double Armature, 2 unit Single Armature, 1 unit Control Box, 1 unit Connection Box, Mounting Brackets, Cables, Cable Tie and Wooden Case.

a	Low Intensity Double Obstruction Light
b	Mounting Bracket for Double OBL
c	Cable from Connection Box to Double OBL
d1 d2	Low Intensity Single Obstruction Light With Mounting Bracket
e	Connection Box
f	Cable from Control Box to Connection Box
g	Photocell
h	Control Box
i	Incoming Power Supply Cable 3x1,5mm^2….2,5mm^2(By Client)
j	Outgoing Alarms Cable 3x1,5mm^2….2,5mm^2(By Client)
⌴	Cable Tie



Low Intensity Obstruction Light System

OPTICAL FEATURES

- Based on Single LED-technology
- Low consumption < 2W (each lamp)
- Long life time > 10 years
- RED light - Steady Burning
- RED light - Flashing
- Type-A >10 cd (steady burning)
- Type-B >32 cd (steady burning)
- Type-E >32 cd (flashing)
- Horizontal beam radiation: 360°
- Vertical beam spread: >10°
- Optical reflector

ELECTRICAL FEATURES

- AC- models, wide AC voltage range: Nominal 100...240VAC, Nominal 50 ... 60Hz
- DC- models, wide DC voltage range: Nominal 10...60VDC
- LED feeded at costant current
- Overvoltage protection
- Automatic changeover from normal to stand-by LED circuit

LIGHT MECHANICAL FEATURES

- Anodised aluminium body
- Policarbonate UV resistant dome
- Degree of protection: IP66
- Operating temperature: -40°C to +55°C
- Bolts- Nuts - Washer: Stainless Steel
- Double Lamp; Height 100 mm, Width 307 mm
- Double Lamp weight 0,6 kg (without mounting set)
- Single Lamp; Height 100 mm, Width 110 mm
- Single Lamp weight 0, 0 kg (without mounting set)
- Terminal block for 0.75 ...2.5mm² wires
- Mounting M6 U-Bolt (included)
- Vertical beam spread: >10°
- Optical reflector

APPLY TO

- Stack
- Airport
- Pipe line
- High Building
- Transmission line
- Radio and TV tower
- Wind turbine
- Tower crane
- Chimney
- Antenna
- Bridge
- Radar

BOX MECHANICAL FEATURES

- Enclosure material: Plastic Case Body: ABS RAL 7035 -Light Grey
- Easy adjustment with LCD screen
- Internal power ON LED fault alarm remotization via dry contact
- Internal fault LED for normal and emergency beacon
- General system fault dry contact
- Overvoltage protection twilight sensor fault alarm and dry contact
- Internal photocell
- Degree of protection: IP65
- Dimensions: 135mm x 250mm x 84mm
- Weight 1 kg (without mounting set)

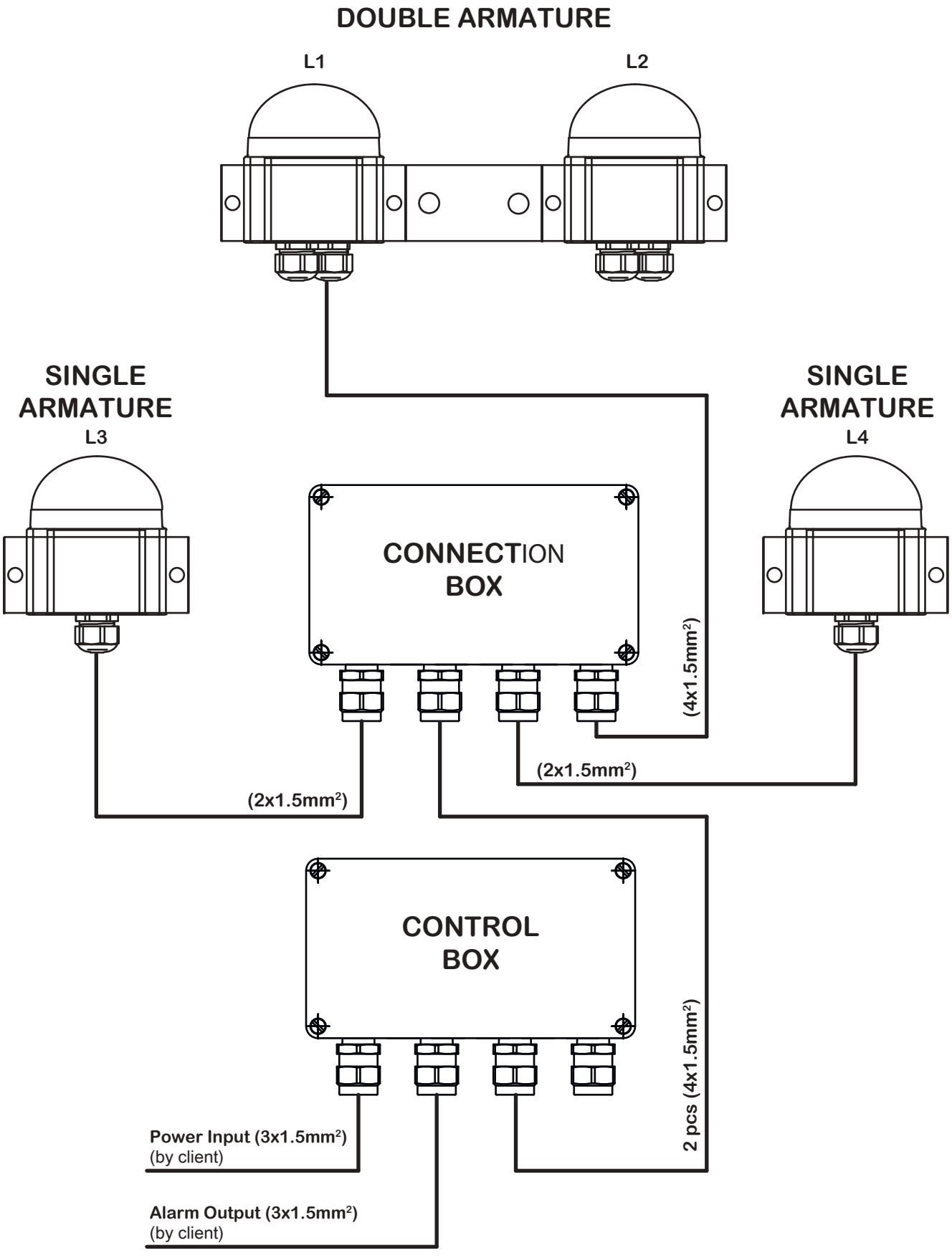
CERTIFICATIONS

- ICAO
- IP-66
- CE marking
- ISO 9001:2015
- ISO 14001:2015

COMPLIANCE

- ICAO Aerodromes -Annex 14 Volume 1, Chapter 6: Low intensity, Type A-B steady burning obstacle light, Type E flashing obstacle light

Connection Diagram



Installation Instructions

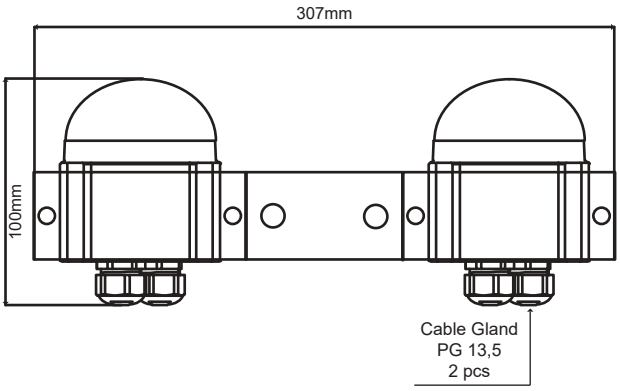
Open the four bottom plate screws. Route power and data cables using cable gland(s) on the bottom side of light unit. Connect the cable wires securely to appropriate terminal block connectors. Fix the bottom plate properly in its place and securely tighten all screws.

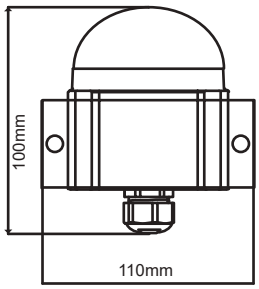
Bottom plate screws

Bottom plate open

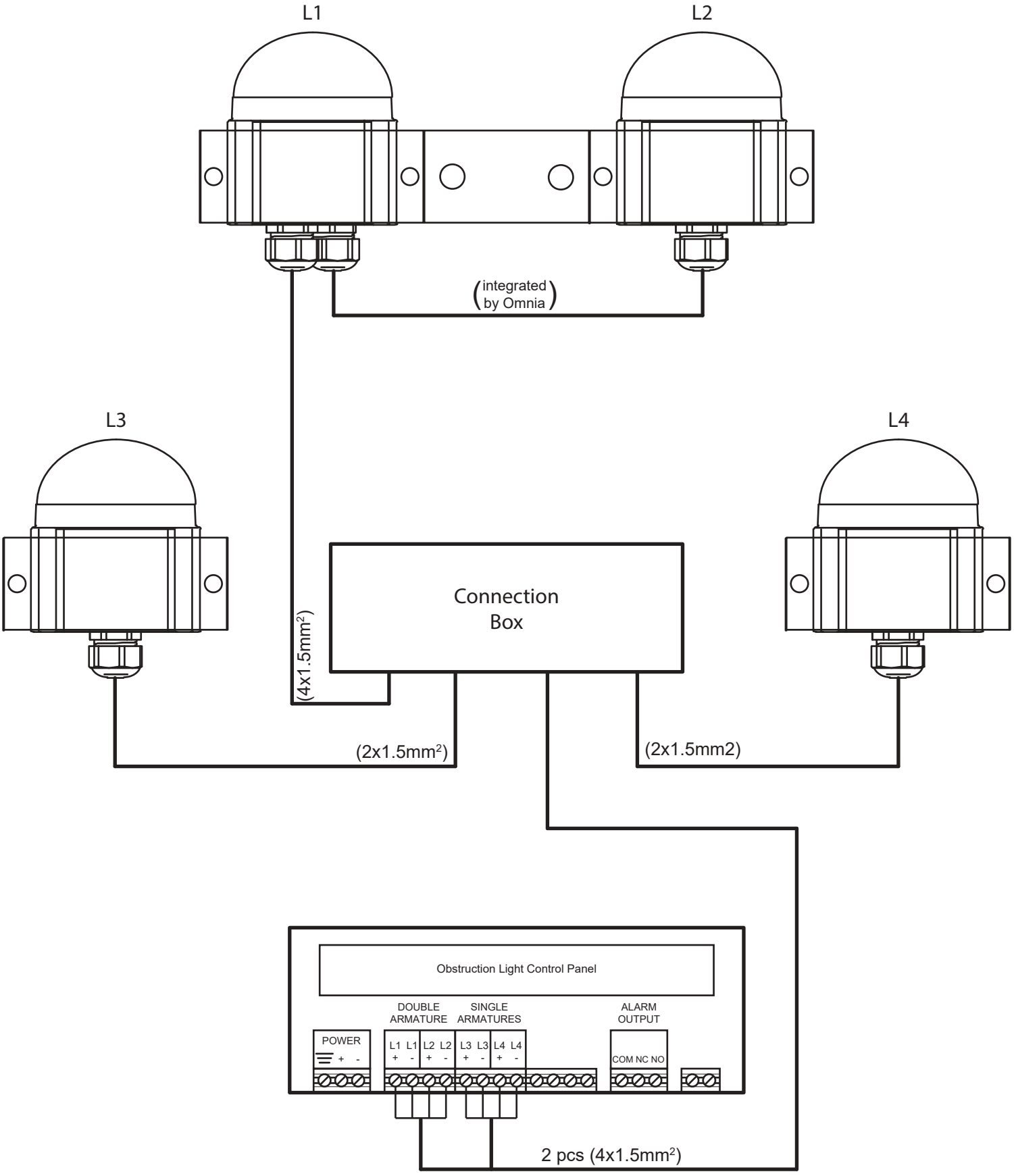
Installation Specifications

- Cable gland PG 13,5
- Cable diameter 6,3 to 11 mm (includes cable gland seal (6-12mm)
- Wire diameter max. 4 mm^2 (option 6 mm^2)
- Recommended cable 4x1.5 mm^2 or 4x2.5 mm^2
- M8 U-Bolt (included nut and bolt)

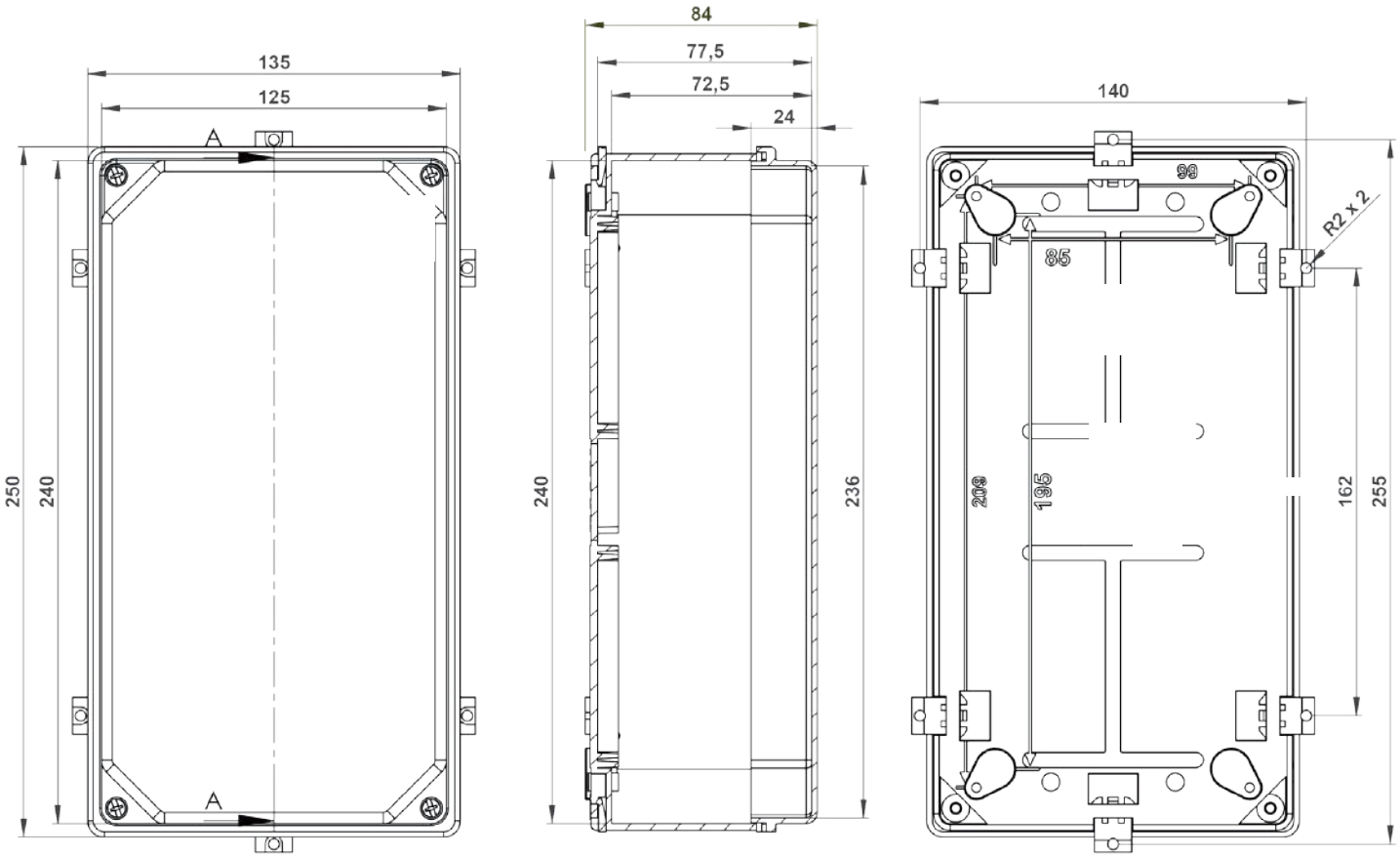




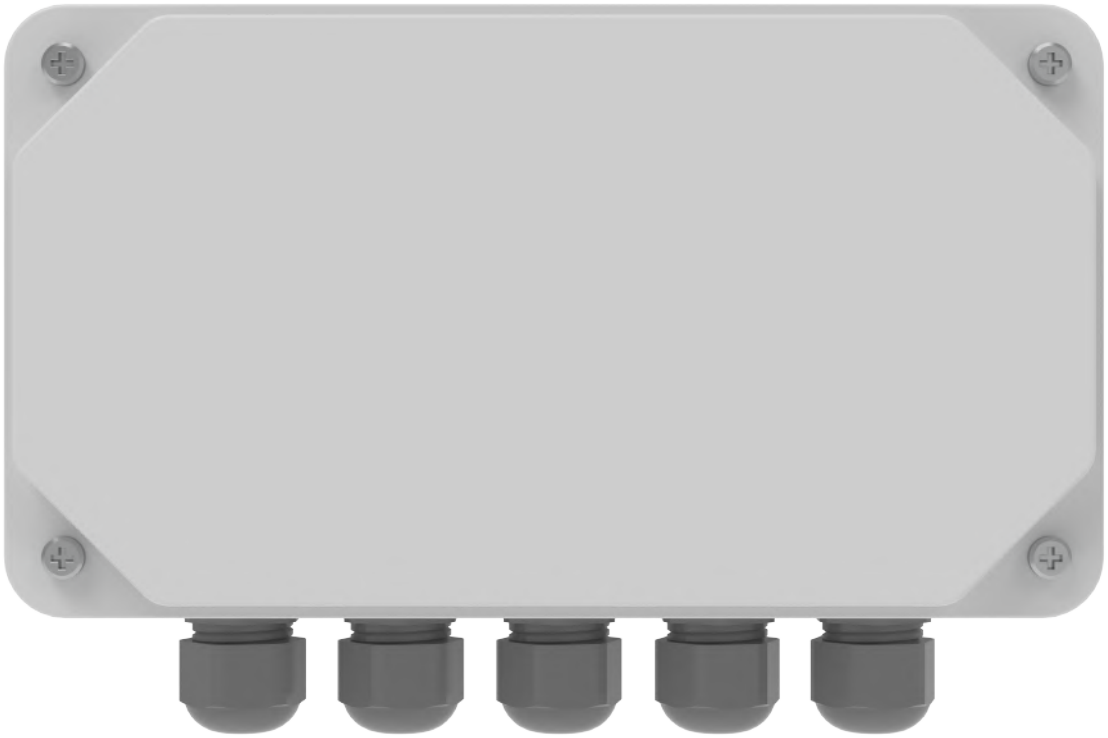
Installation Instructions

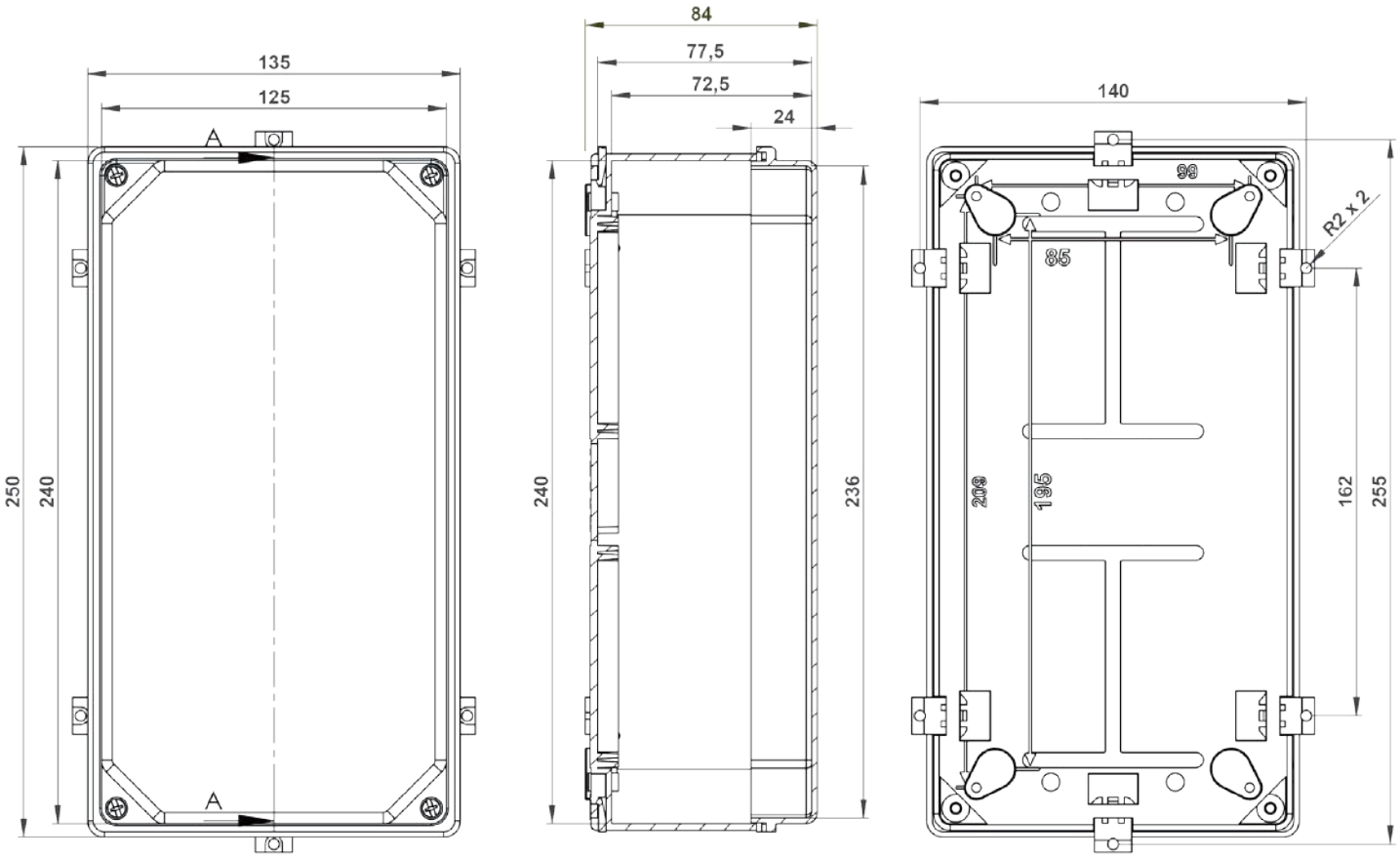


Control Box Technical Specifications

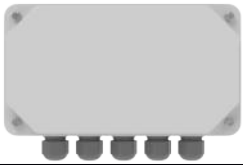


Connnection Box Technical Detail



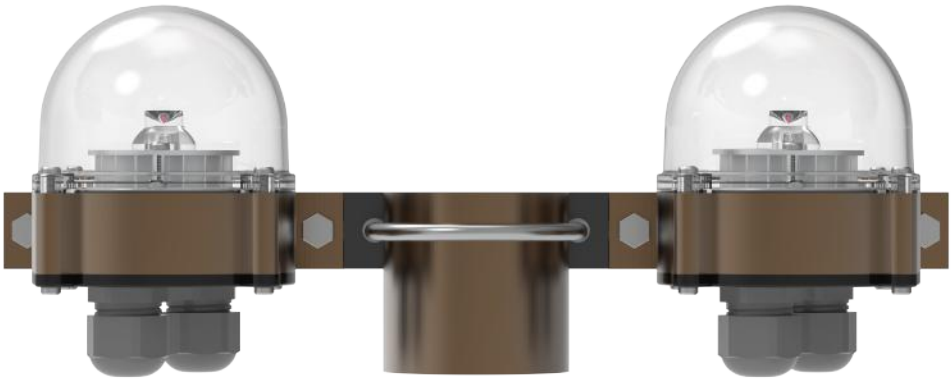


Packing Details

Example for 60mt Tower			
Description	**Weight**	**Dimensions**	**Image**
Low Intensity Double Obstacle Light With Mounting Bracket	0.6kg	307mm x 100mm	
Low Intensity Single Obstacle Light With Mounting Bracket	0.2kg	110mm x 100mm	
Control Box with LCD Screen	1kg	135mm x 250mm x 84mm	
Connection Box	0.8kg	135mm x 250mm x 84mm	
3pcs 40 mt Cable 4x1,5mm^2 (H05VV-F)	16.8kg	Ø400mm/pcs	
2pcs 10 mt Cable 2x1,5mm2 (H05VV-F)	1.6kg	Ø400mm/pcs	
20pcs Cable Tie	0.2kg	370mm x 3,6mm	
Wooden Case	14kg	500mm x 500mm x 570mm	
Total Weight	**35.2kg**		

50 mt Tower	55 mt Tower	60 mt Tower	65 mt Tower	70 mt Tower	75 mt Tower	80 mt Tower	85 mt Tower	90 mt Tower
33.10 kg	34.15 kg	35.20 kg	36.25 kg	37.30 kg	28.35 kg	39.40 kg	40.45 kg	41.50 kg

OMNİA OMN-02(FS)
Datasheet



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OMNİA OMN-02(FS)

Low Intensity Obstruction Light System

The Omnia Low Intensity Obstruction Light is designed for marking tall structures such as wind turbines, chimneys, masts, cranes, airports, transmission lines, and telecommunication towers. These lights feature extremely low power consumption and long, maintenance-free operational life. In accordance with ICAO Annex 14 regulations, Low Intensity Obstruction Lights are used to warn of the presence of obstacles up to 45m in height.

According to ICAO standards, these devices are categorized as follows:

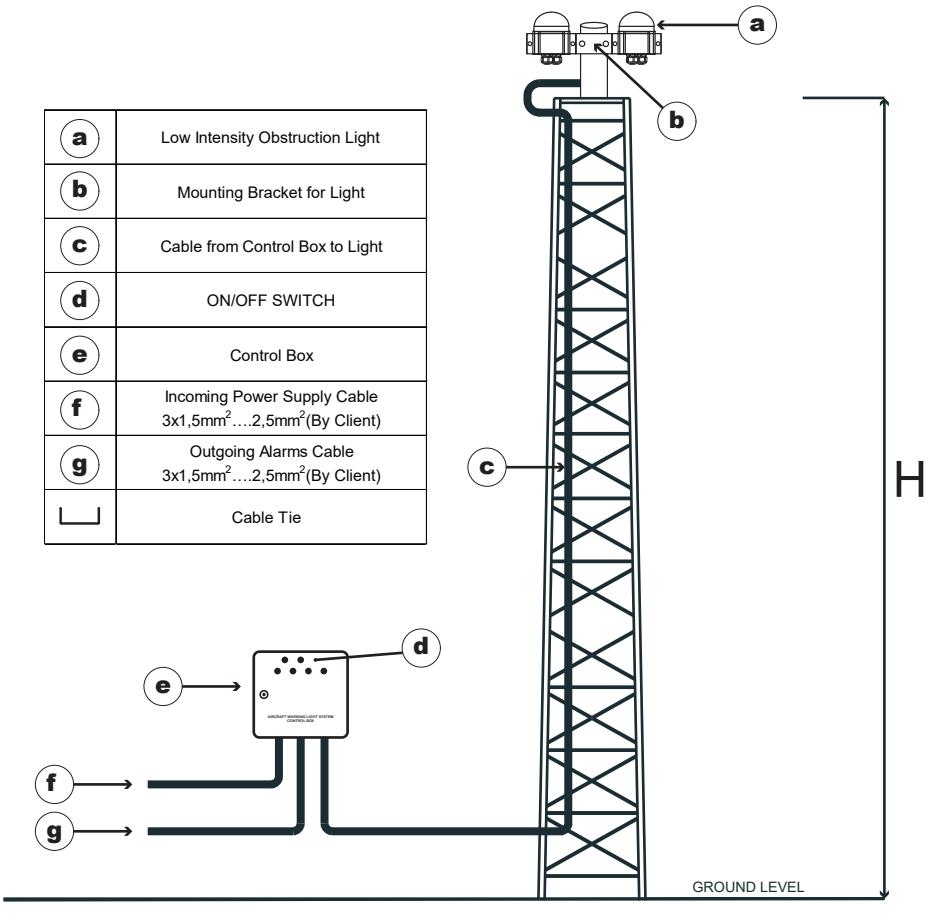
-Type A: Intensity >10cd, steady red.
-Type B: Intensity >32cd, steady red.
-Type E: Intensity >32cd, flashing red.

Product Details:

The OMN-02(FS) is a low-intensity light based on single-LED technology. Designed for night-time beaconing (steady or flashing red), it offers a long lifespan (100,000 hours) with very low power consumption (<0,8W). The system can be equipped with an integrated photocell for automatic ON/OFF operation and a dry contact for failure alarms.

System consists of;

1 unit Double Armature, 1 unit Control Box, Mounting Brackets, Cable, Cable Tie and Wooden Case.



a	Low Intensity Obstruction Light
b	Mounting Bracket for Light
c	Cable from Control Box to Light
d	ON/OFF SWITCH
e	Control Box
f	Incoming Power Supply Cable 3x1,5mm^2….2,5mm^2(By Client)
g	Outgoing Alarms Cable 3x1,5mm^2….2,5mm^2(By Client)
⌴	Cable Tie

Low Intensity Obstruction Light System

OMNIA Lighting

OPTICAL FEATURES

- Based on Single LED-technology
- Low consumption < 0,8W (each lamp)
- Long life time > 10 years
- RED light - Steady Burning
- RED light - Flashing
- Type-A >10 cd (steady burning)
- Type-B >32 cd (steady burning)
- Type-E >32 cd (flashing)
- Horizontal beam radiation: 360°
- Vertical beam spread: >10°
- Optical reflector

ELECTRICAL FEATURES

- AC- models, wide AC voltage range: Nominal 100...240VAC, Nominal 50 ... 60Hz
- DC- models, wide DC voltage range: Nominal 10...60VDC
- LED feeded at costant current
- Overvoltage protection
- Automatic changeover from normal to stand-by LED circuit

LIGHT MECHANICAL FEATURES

- Anodised aluminium body
- Policarbonate UV resistant dome
- Degree of protection: IP66
- Operating temperature: -40°C to +55°C
- Bolts- Nuts - Washer: Stainless Steel
- Height 100 mm, Width 307 mm
- Weight 0,6 kg (without mounting set)
- Terminal block for 0.75 ...2.5mm² wires
- Mounting M6 U-Bolt (included)

APPLY TO

- Stack
- Airport
- Pipe line
- High Building
- Transmission line
- Radio and TV tower
- Wind turbine
- Tower crane
- Chimney
- Antenna
- Bridge
- Radar

BOX MECHANICAL FEATURES

- Enclosure material: Sheet Metal RAL 7035 Electrostatic powder paint
- Easy adjustment with LCD screen
- Internal power ON LED fault alarm remotization via dry contact
- Internal fault LED for main and backup beacon
- General system fault dry contact
- Overvoltage protection twilight sensor fault alarm and dry contact
- Internal photocell
- Degree of protection: IP65
- Dimensions: 350mm x 370mm x 138mm
- Weight 5 kg (without mounting set)

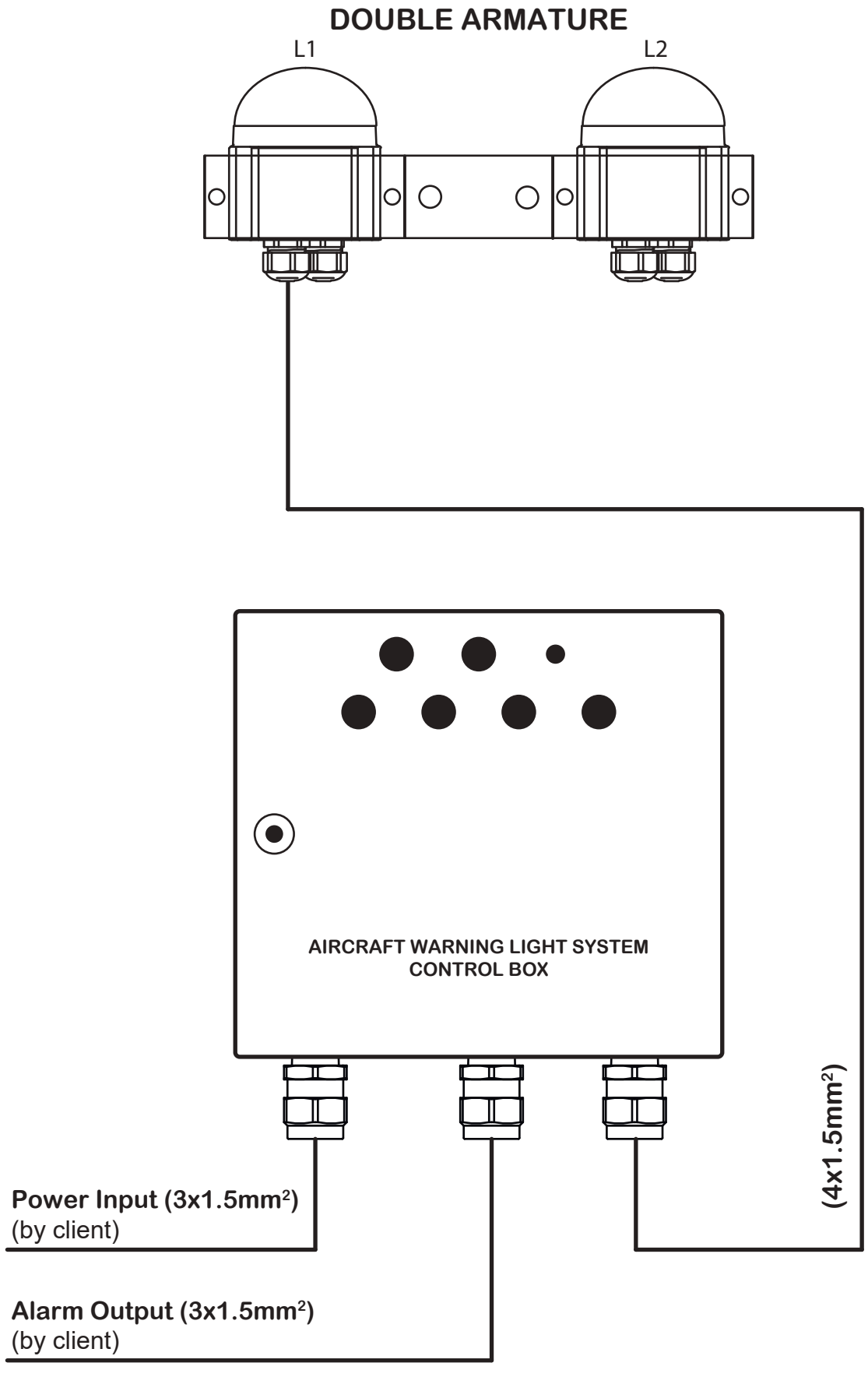
CERTIFICATIONS

- ICAO
- IP-66
- CE marking
- ISO 9001:2015
- ISO 14001:2015

COMPLIANCE

- ICAO Aerodromes -Annex 14 Volume 1, Chapter 6: Low intensity, Type A-B steady burning obstacle light, Type E flashing obstacle light

Connection Diagram



Installation Instructions

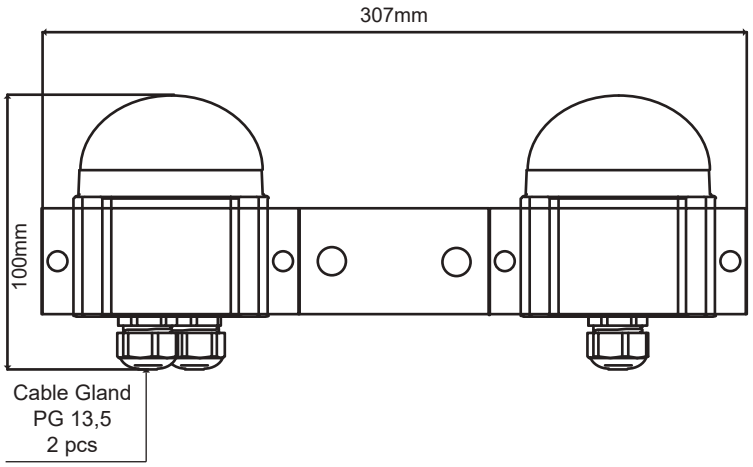
Open the four bottom plate screws. Route power and data cables using cable gland(s) on the bottom side of light unit. Connect the cable wires securely to appropriate terminal block connectors. Fix the bottom plate properly in its place and securely tighten all screws.

Bottom plate screws

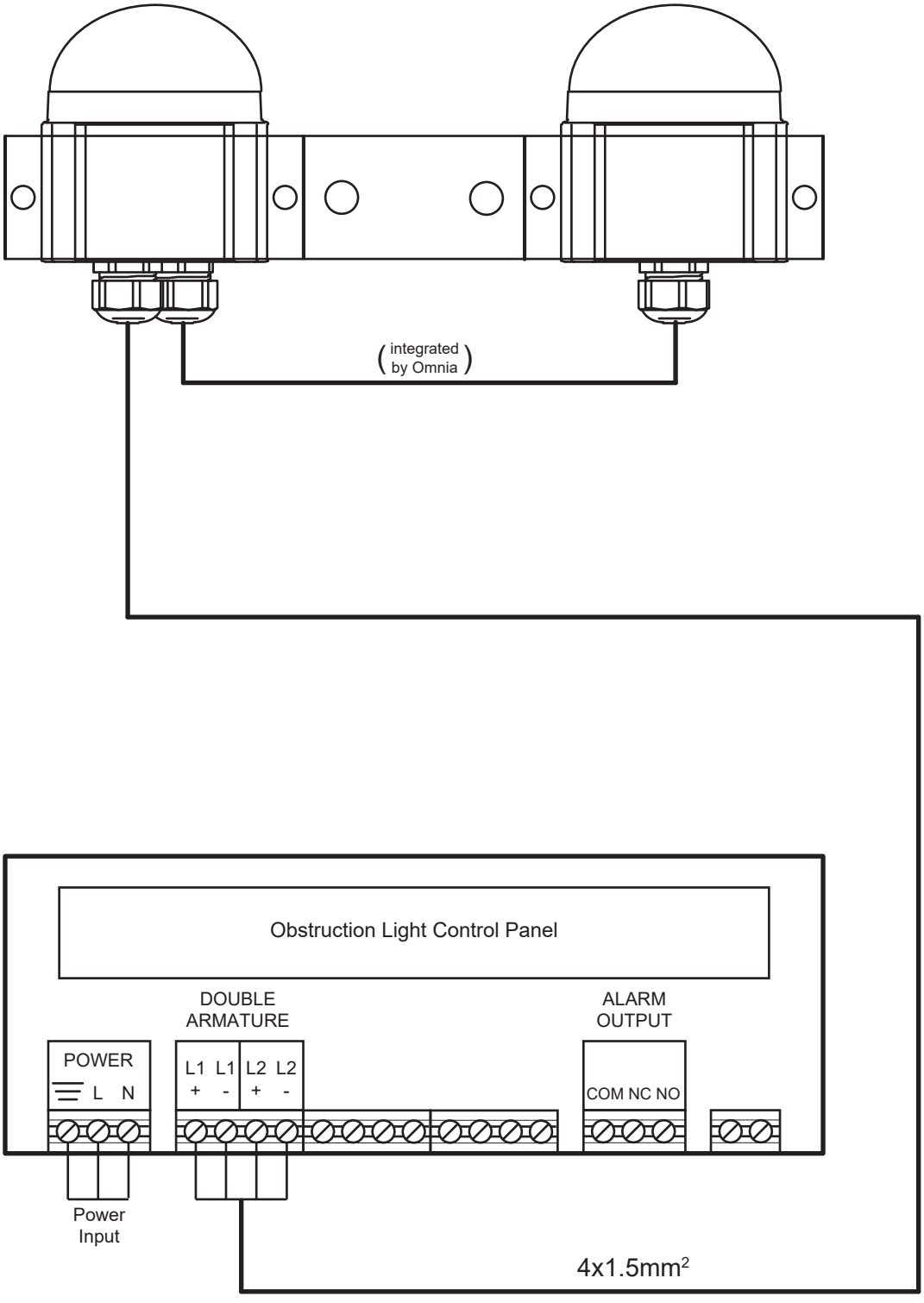
Bottom plate open

Installation Specifications

- Cable gland PG 13,5
- Cable diameter 6,3 to 11 mm (includes cable gland seal (6-12mm)
- Wire diameter max. 4 mm^2 (option 6 mm^2)
- Recommended cable 4x1.5 mm^2 or 4x2.5 mm^2
- M8 U-Bolt (included nut and bolt)



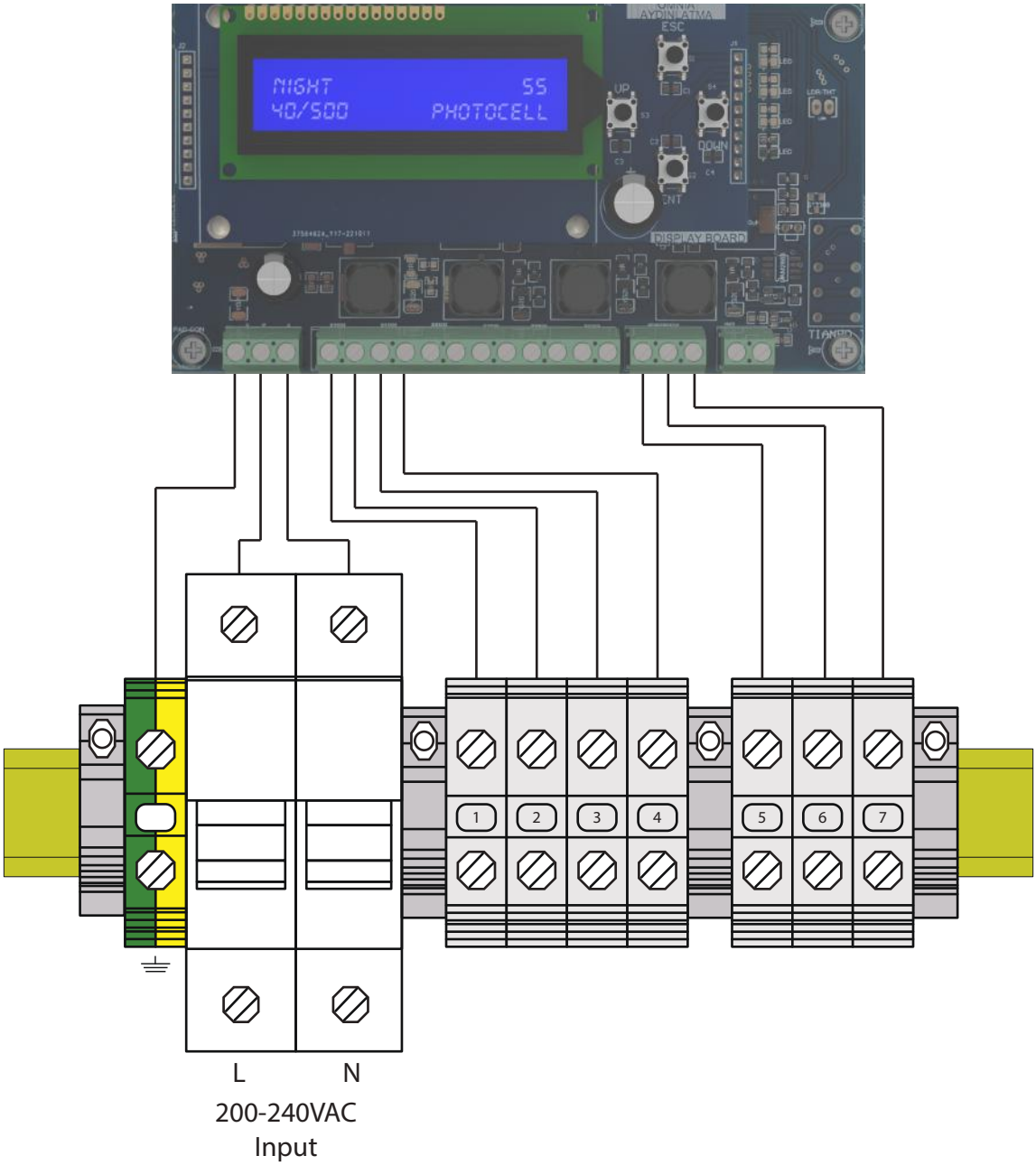
Installation Instructions



Control Box Details

	PHOTOCELL	System operates under the control of photocell sensor which automatically turns the system on when ambience gets dark and turns it off when the ambience gets lighten
	POWER	Indicates that there is power in the control panel
MAN. AUTO	MODE SELECT	MAN: Lamps operates day and night
		AUTO: Lamps operates under the control of photocell sensor
	DOUBLE ARMATURE	LAMP-1: Main Lamp is active
		LAMP-2: Backup Lamp is active
	LAMP-1 FAILURE	Main lamp is fault
	LAMP-2 FAILURE	Backup lamp is fault

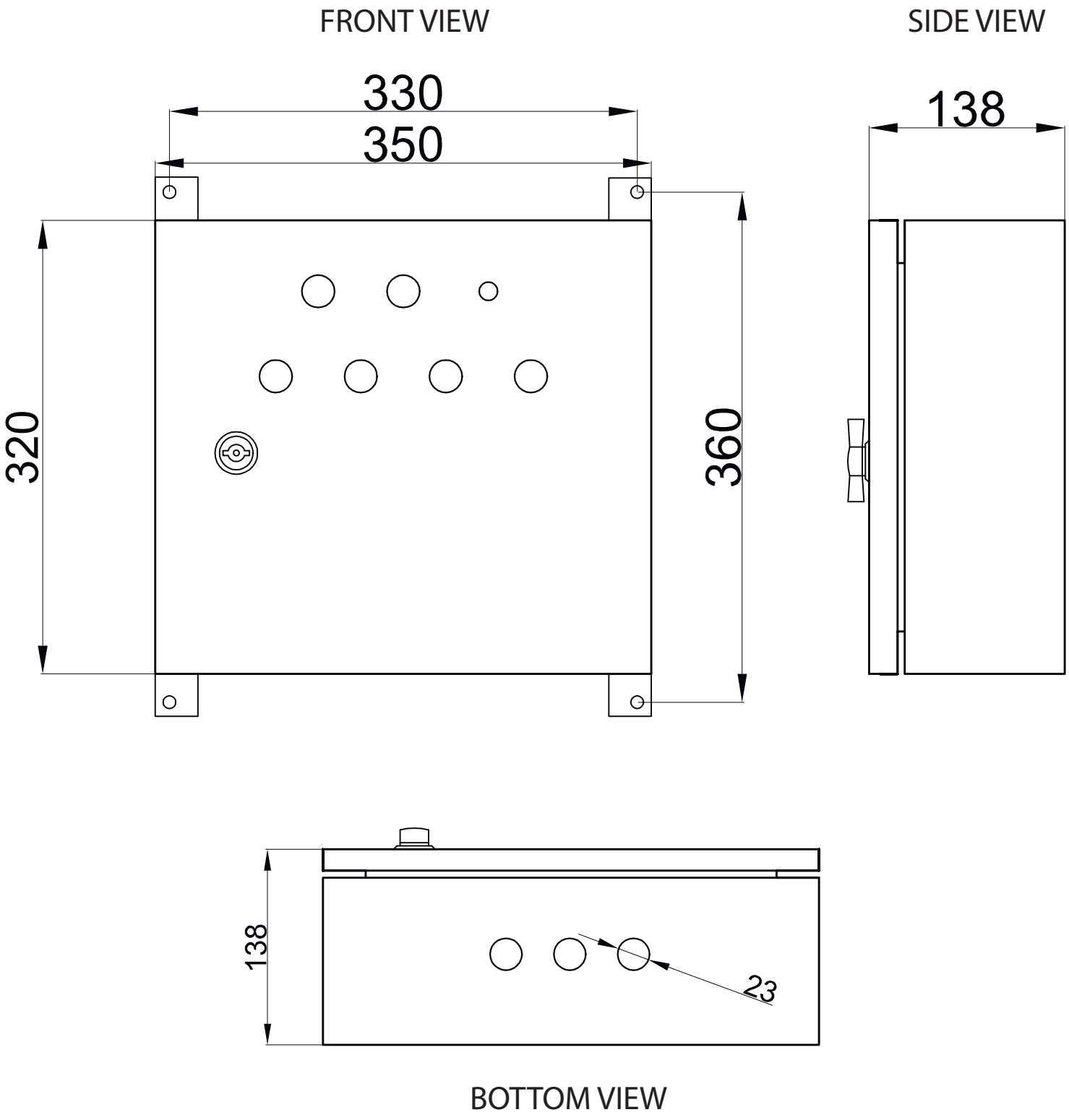
Control Box Details



Terminal Blocks:

1- Main Lamp Output (+)
2- Main Lamp Output (-)
3- Backup Lamp Output (+)
4- Backup Lamp Output (-)
5- Alarm Output (COM)
6- Alarm Output (NC)
7- Alarm Output (NO)

Control Box Technical Details

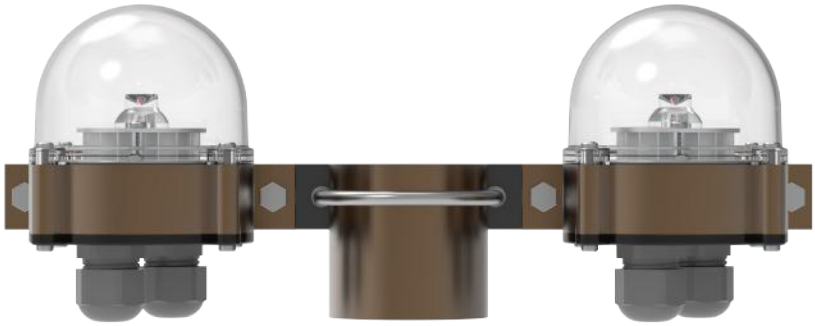


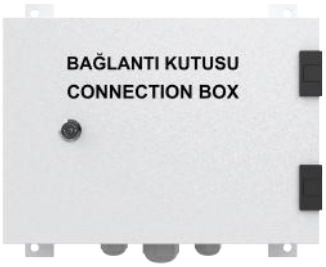
Packing Details

Example for 30mt Tower			
Description	**Weight**	**Dimensions**	**Image**
Low Intensity Double Obstacle Light With Mounting Bracket	0.6kg	307mm x 100mm	
Control Box with LCD Screen	6kg	350mm x 370mm x 138mm	
40 mt Cable 4x1,5mm^2 (H05VV-F)	5.6kg	Ø400mm	
10pcs Cable Tie	100gr	370mm x 3,6mm	
Wooden Case	17kg	430mm x 460mm x 520mm	
Total Weight	**29.3kg**		

5 mt Tower	10 mt Tower	15 mt Tower	20 mt Tower	25 mt Tower	30 mt Tower	35 mt Tower	40 mt Tower	45 mt Tower
16.80 kg	17.50 kg	18.20 kg	18.90 kg	19.60 kg	29.3 kg	30 kg	30.7 kg	31.40 kg

OMNİA OMN-03(FS)
Datasheet





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OMNİA OMN-03(FS)

Low Intensity Obstruction Light System

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According to ICAO standards, these devices are categorized as follows:

-Type A: Intensity >10cd, steady red.
-Type B: Intensity >32cd, steady red.
-Type E: Intensity >32cd, flashing red.

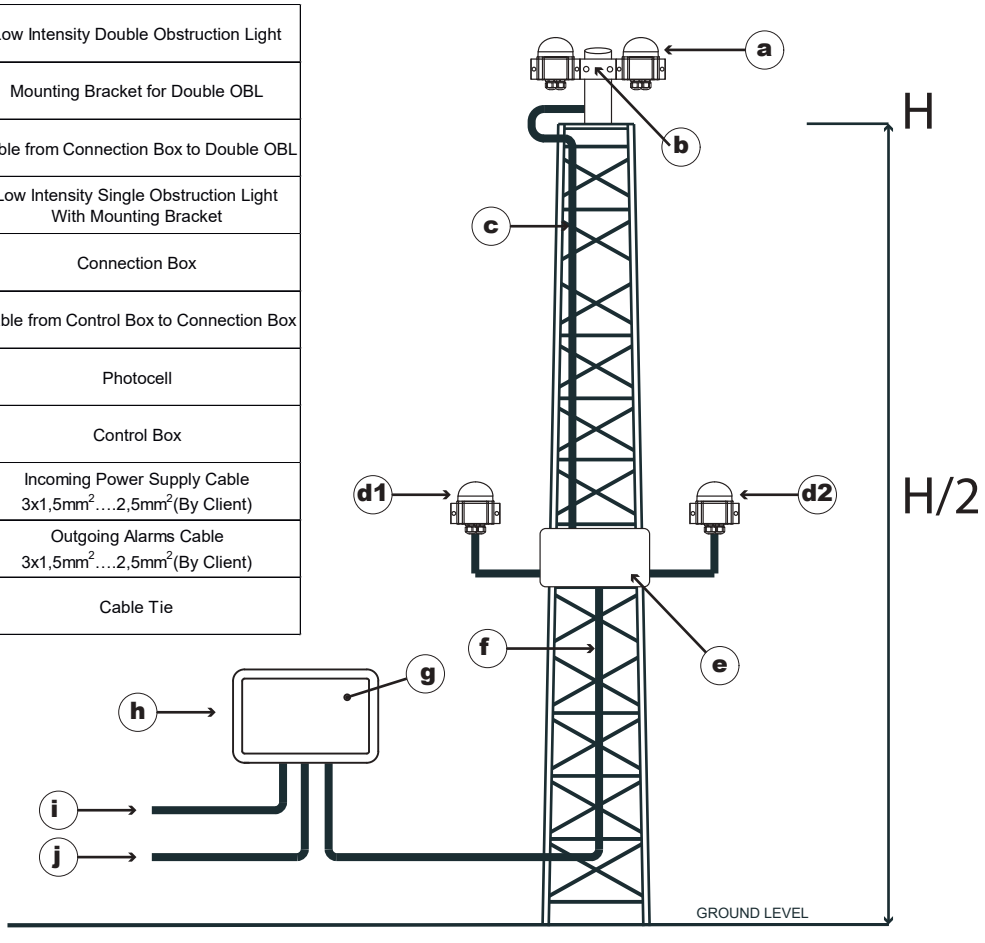
Product Details:

The OMN-03(FS) is a low-intensity light based on single-LED technology. Designed for night-time beaconing (steady or flashing red), it offers a long lifespan (100,000 hours) with very low power consumption (<8W). The system can be equipped with an integrated photocell for automatic ON/OFF operation and a dry contact for failure alarms.

System consists of;

1 unit Double Armature, 2 unit Single Armature, 1 unit Control Box, 1 unit Connection Box, Mounting Brackets, Cables, Cable Tie and Wooden Case.

a	Low Intensity Double Obstruction Light
b	Mounting Bracket for Double OBL
c	Cable from Connection Box to Double OBL
d1 d2	Low Intensity Single Obstruction Light With Mounting Bracket
e	Connection Box
f	Cable from Control Box to Connection Box
g	Photocell
h	Control Box
i	Incoming Power Supply Cable 3x1,5mm^2….2,5mm^2(By Client)
j	Outgoing Alarms Cable 3x1,5mm^2….2,5mm^2(By Client)
⌴	Cable Tie



Low Intensity Obstruction Light System

OMNIA Lighting

OPTICAL FEATURES

- Based on Single LED-technology
- Low consumption < 8W
- Long life time > 10 years
- RED light - Steady Burning
- RED light - Flashing
- Type-A >10 cd (steady burning)
- Type-B >32 cd (steady burning)
- Type-E >32 cd (flashing)
- Horizontal beam radiation: 360°
- Vertical beam spread: >10°
- Optical reflector

ELECTRICAL FEATURES

- AC- models, wide AC voltage range: Nominal 100...240VAC, Nominal 50 ... 60Hz
- DC- models, wide DC voltage range: Nominal 10...60VDC
- LED feeded at costant current
- Overvoltage protection
- Automatic changeover from normal to stand-by LED circuit

LIGHT MECHANICAL FEATURES

- Anodised aluminium body
- Policarbonate UV resistant dome
- Degree of protection: IP66
- Operating temperature: -40°C to +55°C
- Bolts- Nuts - Washer: Stainless Steel
- Double Lamp; Height 100 mm, Width 307 mm
- Double Lamp weight 0,6 kg (without mounting set)
- Single Lamp; Height 100 mm, Width 110 mm
- Single Lamp weight 0,20 kg (without mounting set)
- Terminal block for 0.75 ...2.5mm² wires
- Mounting M6 U-Bolt (included)

APPLY TO

- Stack
- Airport
- Pipe line
- High Building
- Transmission line
- Radio and TV tower
- Wind turbine
- Tower crane
- Chimney
- Antenna
- Bridge
- Radar

BOX MECHANICAL FEATURES

- Enclosure material: Sheet Metal RAL 7035 Electrostatic powder paint
- Easy adjustment with LCD screen
- Internal power ON LED fault alarm remotization via dry contact
- Internal fault LED for main and backup beacon
- General system fault dry contact
- Overvoltage protection twilight sensor fault alarm and dry contact
- Internal photocell
- Degree of protection: IP65
- Dimensions: 350mm x 500mm x 138mm
- Weight 9 kg (without mounting set)

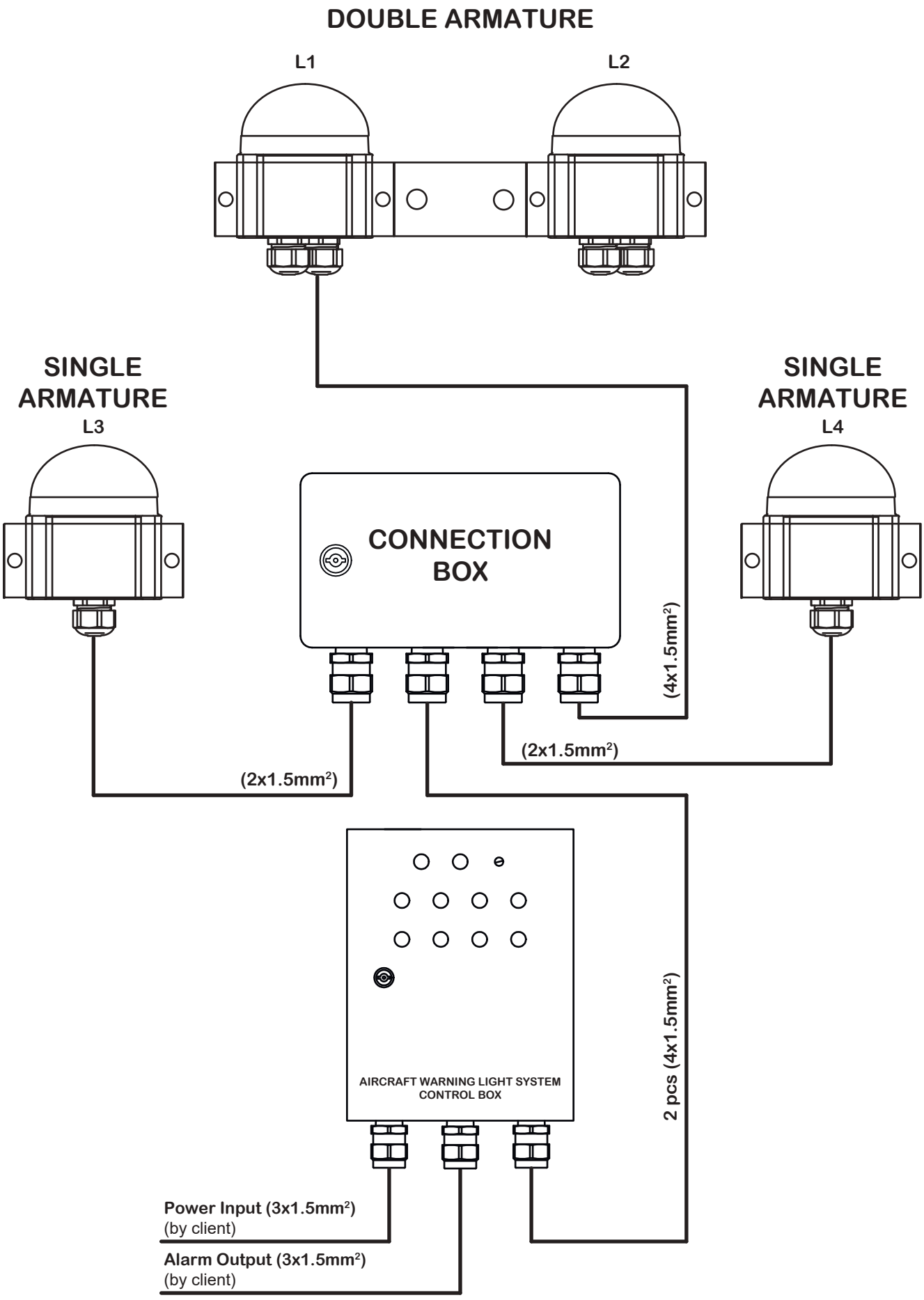
CERTIFICATIONS

- ICAO
- IP-66
- CE marking
- ISO 9001:2015
- ISO 14001:2015

COMPLIANCE

- ICAO Aerodromes -Annex 14 Volume 1, Chapter 6: Low intensity, Type A-B steady burning obstacle light, Type E flashing obstacle light

Connection Diagram



Installation Instructions

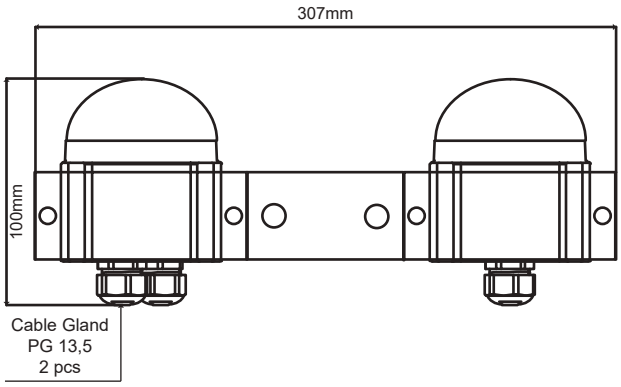
Open the four bottom plate screws. Route power and data cables using cable gland(s) on the bottom side of light unit. Connect the cable wires securely to appropriate terminal block connectors. Fix the bottom plate properly in its place and securely tighten all screws.

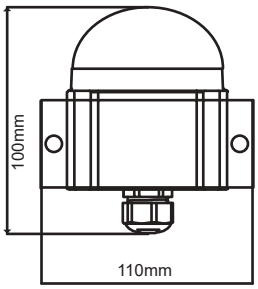
Bottom plate screws

Bottom plate open

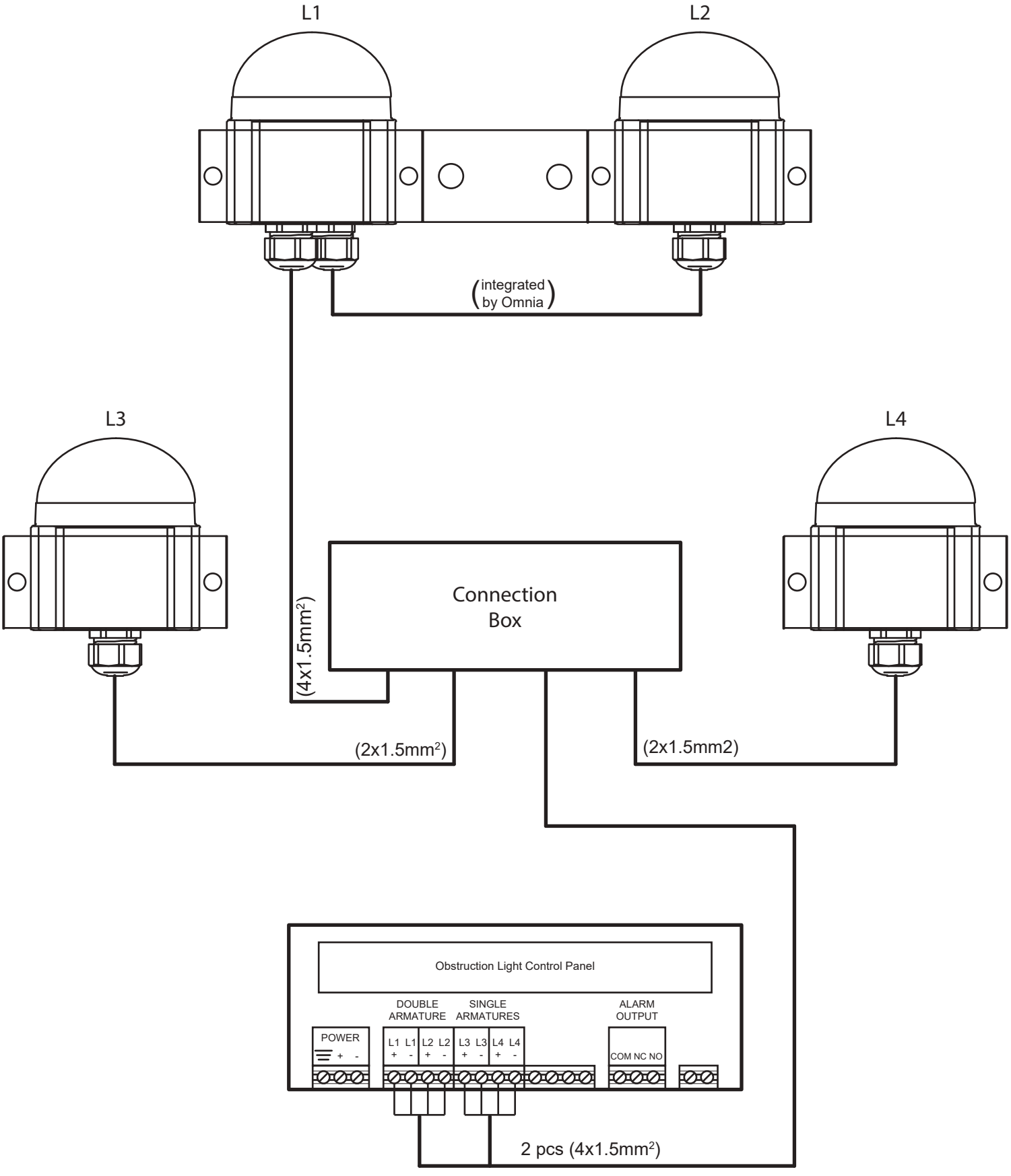
Installation Specifications

- Cable gland PG 13,5
- Cable diameter 6,3 to 11 mm (includes cable gland seal (6-12mm)
- Wire diameter max. 4 mm^2 (option 6 mm^2)
- Recommended cable 4x1.5 mm^2 or 4x2.5 mm^2
- M6 U-Bolt (included nut and bolt)





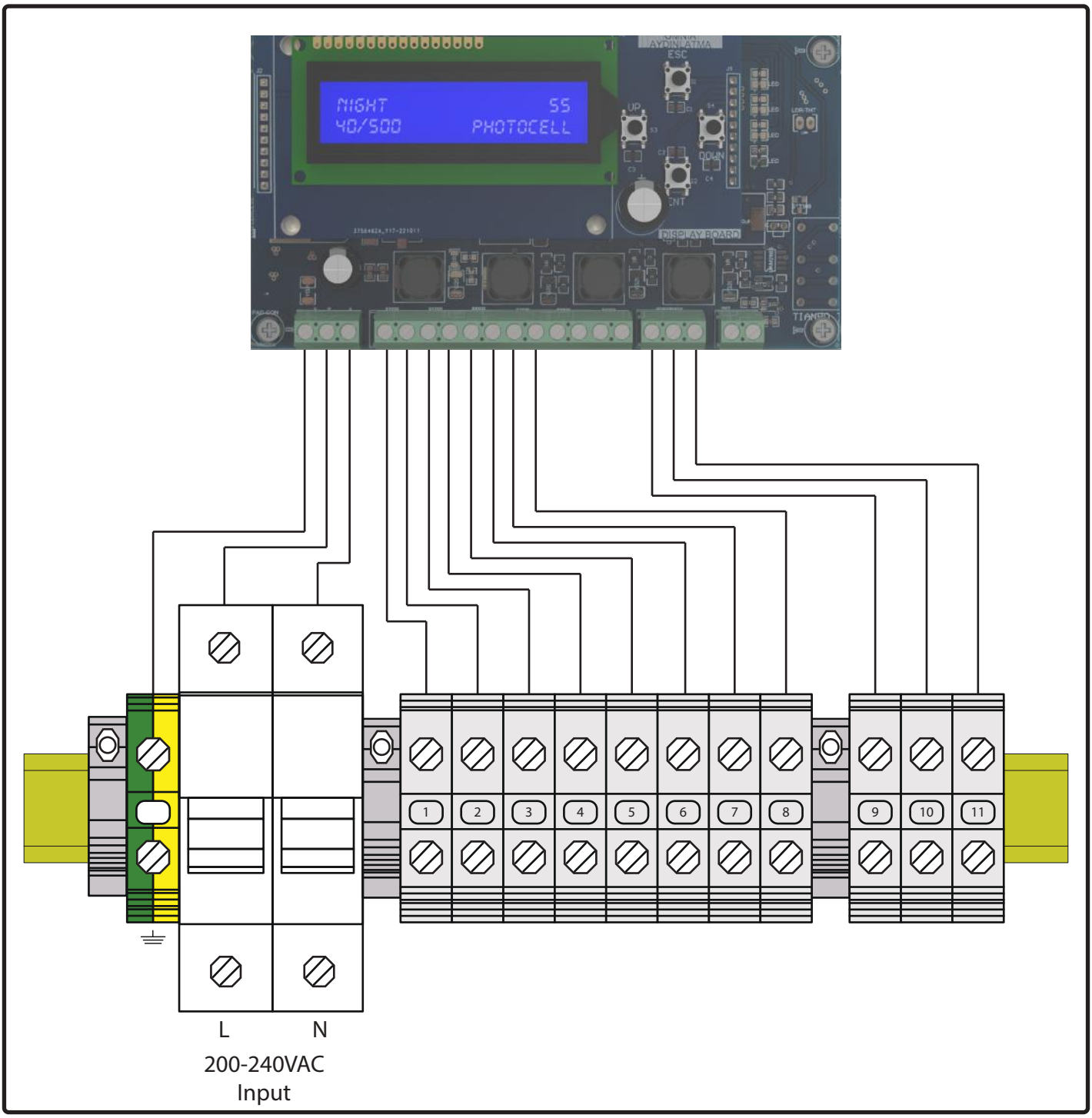
Installation Instructions



Control Box Details

	PHOTOCELL	System operates under the control of photocell sensor which automatically turns the system on when ambience gets dark and turns it off when the ambience get lighten
	POWER	Indicates that there is power in the control panel
MAN. AUTO	MODE SELECT	MAN: Lamps operates day and night
		AUTO: Lamps operates under the control of photocell sensor
	SINGLE ARMATURE	SINGLE LAMP-1 is active
		SINGLE LAMP-2 is active
	DOUBLE ARMATURE	LAMP-1: Main Lamp is active
		LAMP-2: Backup Lamp is active
	SINGLE ARMATURE LAMP-1 FAILURE	SINGLE LAMP-1 is fault
	SINGLE ARMATURE LAMP-2 FAILURE	SINGLE LAMP-2 is fault
	DOUBLE ARMATURE LAMP-1 FAILURE	Main lamp is fault
	DOUBLE ARMATURE LAMP-2 FAILURE	Backup lamp is fault

Control Box Details



Terminal Blocks:

1 - 2: Double Armature Main Lamp Output (+) (-)

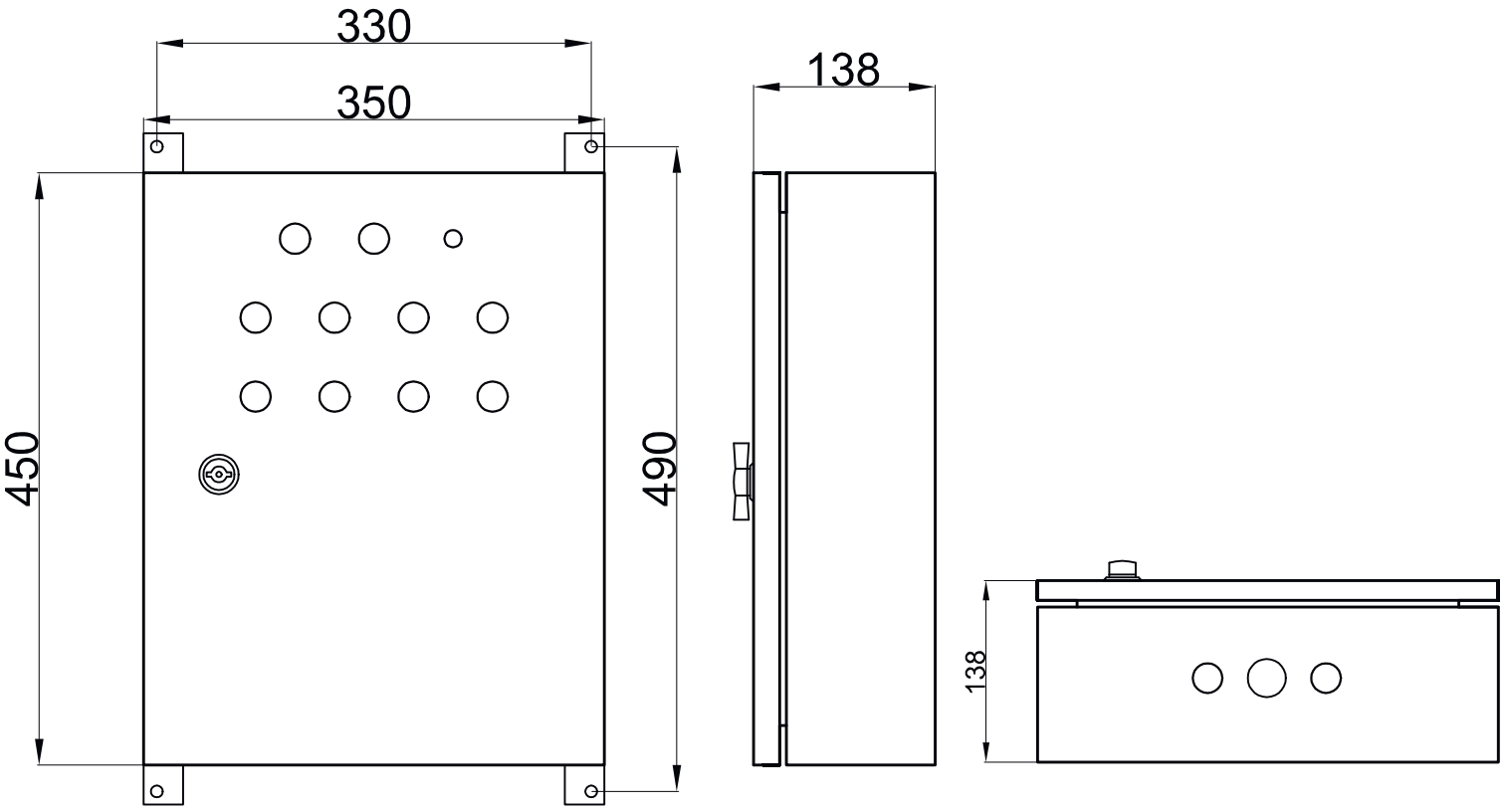
3 - 4: Double Armature Backup Lamp Output (+) (-)

5 - 6: Single Armature Lamp-1 Output (+) (-)

7 - 8: Single Armature Lamp-2 Output (+) (-)

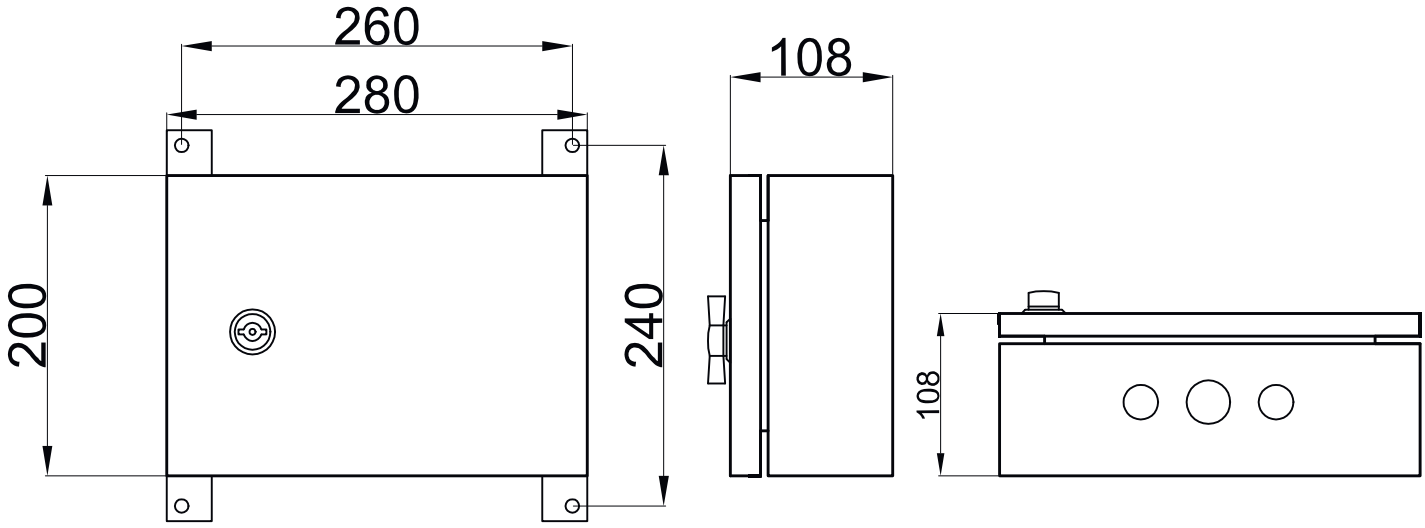
9 - 10 - 11: Alarm Output COM - NC - NO

Control Box Technical Detail



FRONT VIEW SIDE VIEW BOTTOM VIEW

Connection Box Technical Detail



FRONT VIEW SIDE VIEW BOTTOM VIEW

Packing Details

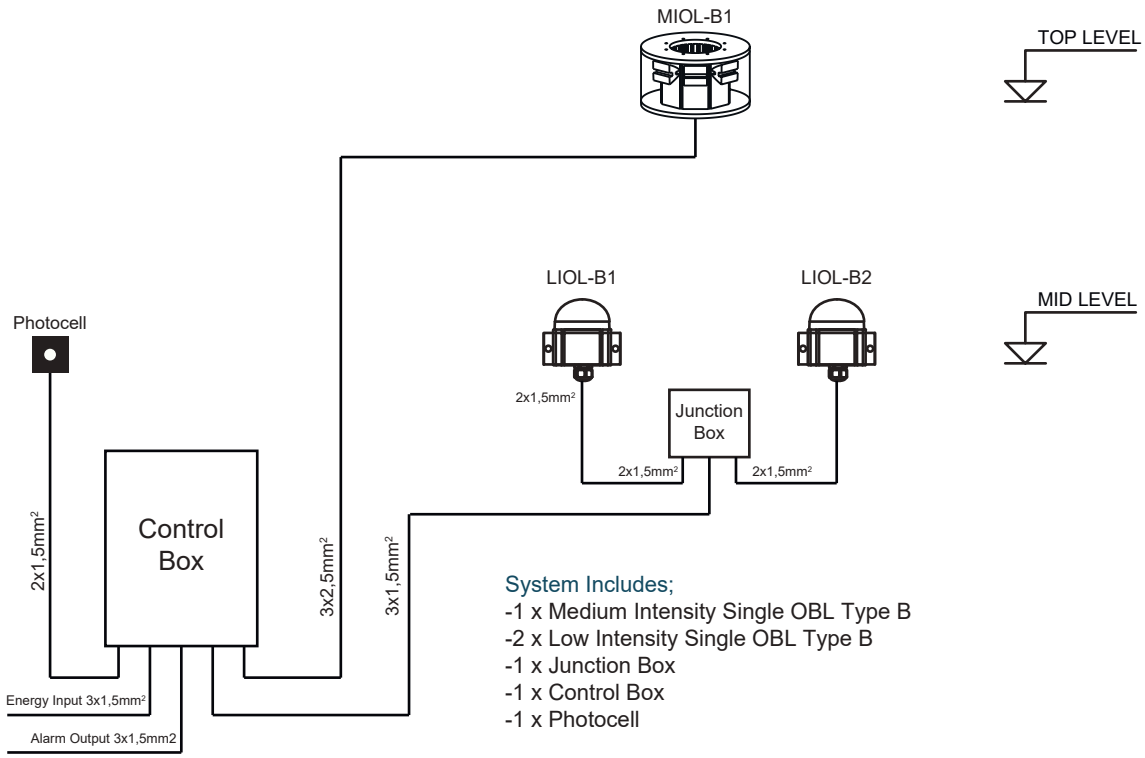
Example for 60mt Tower			
Description	**Weight**	**Dimensions**	**Image**
Low Intensity Double Obstacle Light With Mounting Bracket	0.6kg	307mm x 100mm	
Low Intensity Single Obstacle Light With Mounting Bracket	0.2kg	110mm x 100mm	
Control Box with LCD Screen	9kg	350mm x 500mm x 138mm	
Connection Box	3kg	280mm x 250mm x 108mm	
3pcs 40 mt Cable 4x1,5mm^2 (H05VV-F)	16.8kg	Ø400mm/pcs	
2pcs 10 mt Cable 2x1,5mm2 (H05VV-F)	1.6kg	Ø400mm/pcs	
20pcs Cable Tie	0.2kg	370mm x 3,6mm	
Wooden Case	22kg	510mm x 480mm x 550mm	
Total Weight	**45.4kg**		

50 mt Tower	55 mt Tower	60 mt Tower	65 mt Tower	70 mt Tower	75 mt Tower	80 mt Tower	85 mt Tower	90 mt Tower
51.30 kg	52.35 kg	53.40 kg	54.45 kg	55.50 kg	56.55 kg	57.60 kg	58.65 kg	59.70 kg

OBSTRUCTION LIGHT SYSTEMS

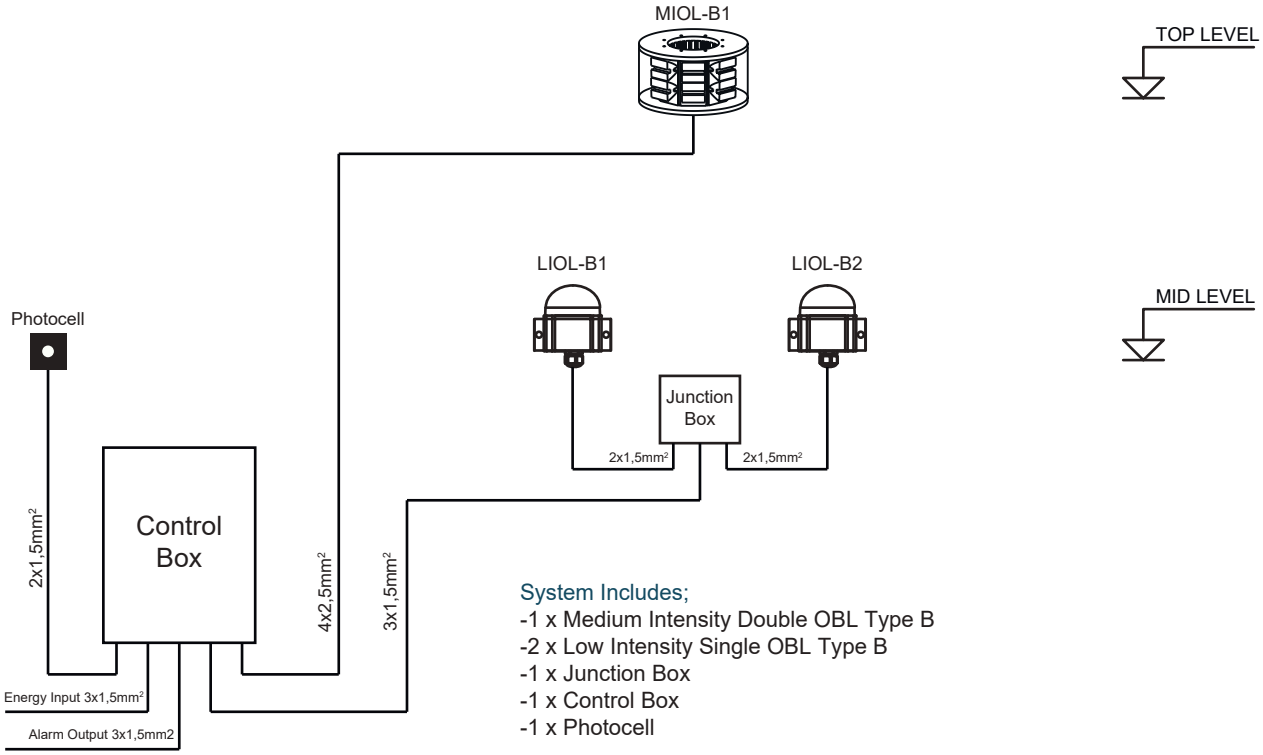
These systems represent the **most commonly used obstruction lighting solutions** across the industry, offering **proven reliability** and **wide application compatibility.**

OBL SYSTEM 1 MIOL-B + 2 LIOL-B



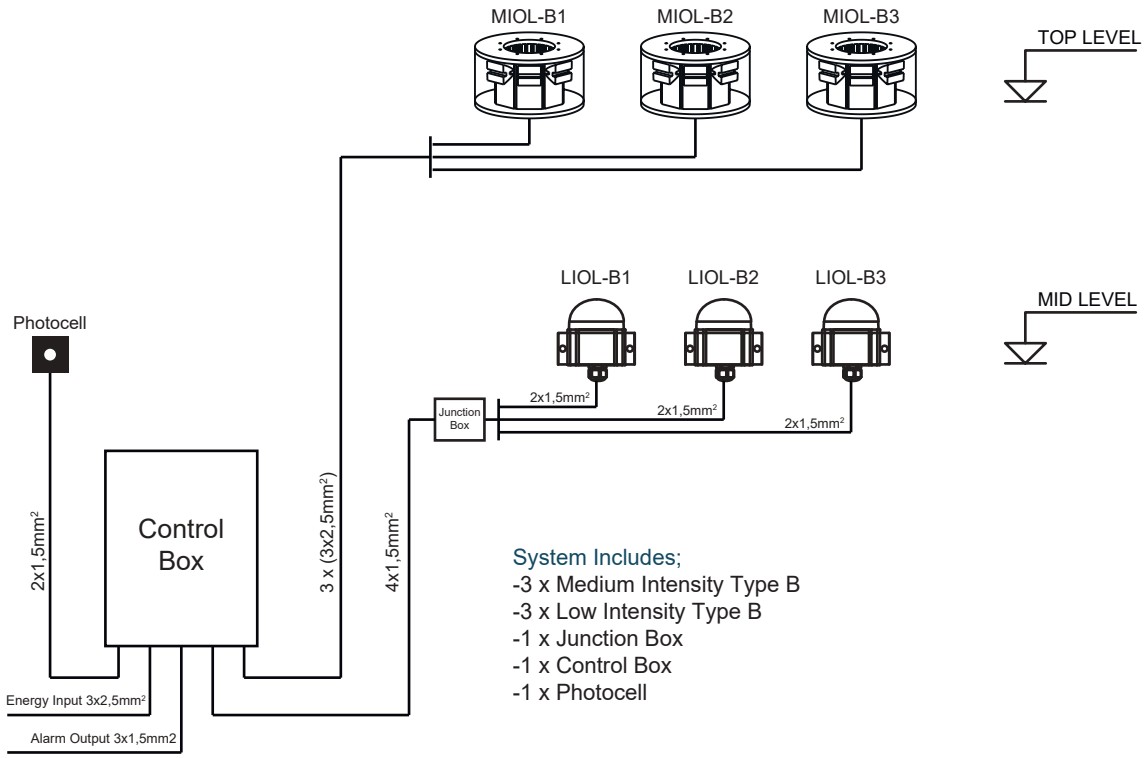
System Includes;
-1 x Medium Intensity Single OBL Type B
-2 x Low Intensity Single OBL Type B
-1 x Junction Box
-1 x Control Box
-1 x Photocell

OBL SYSTEM 1 MIOL-B (DOUBLE) + 2 LIOL-B



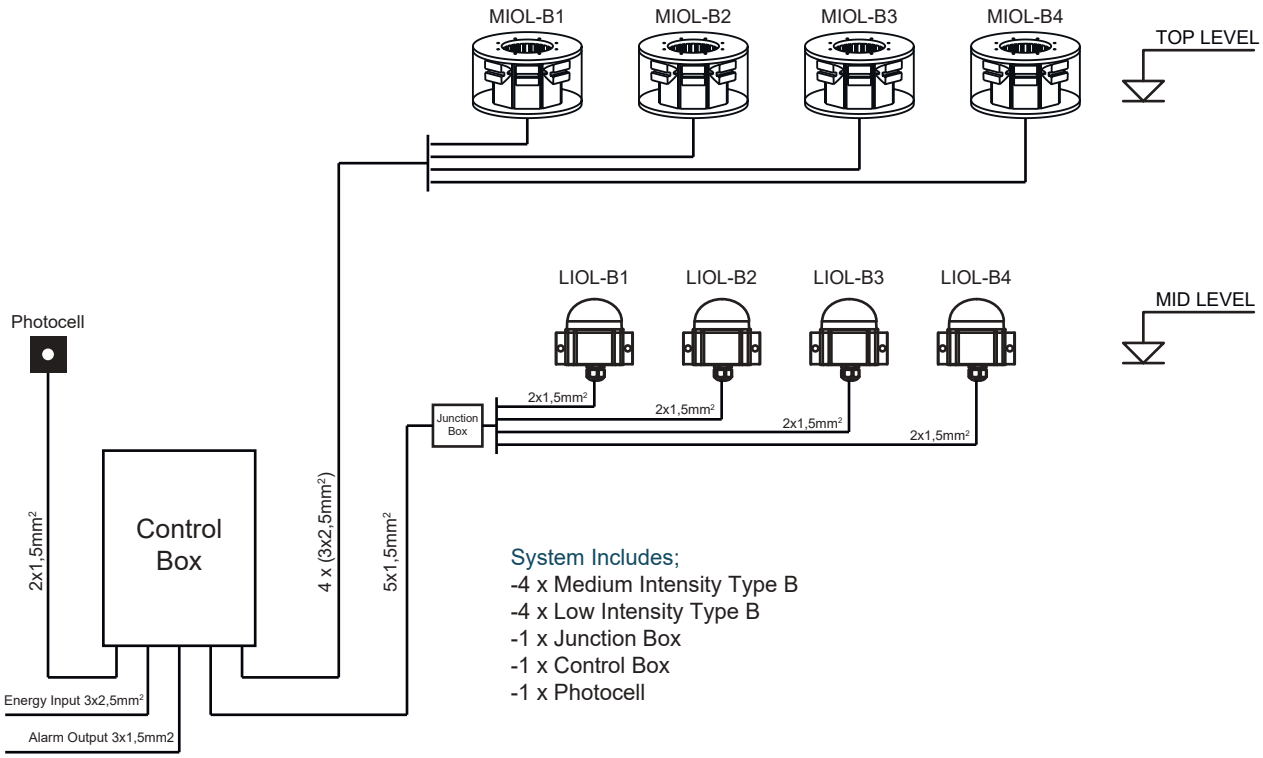
System Includes;
-1 x Medium Intensity Double OBL Type B
-2 x Low Intensity Single OBL Type B
-1 x Junction Box
-1 x Control Box
-1 x Photocell

OBL SYSTEM 3 MIOL-B + 3 LIOL-B



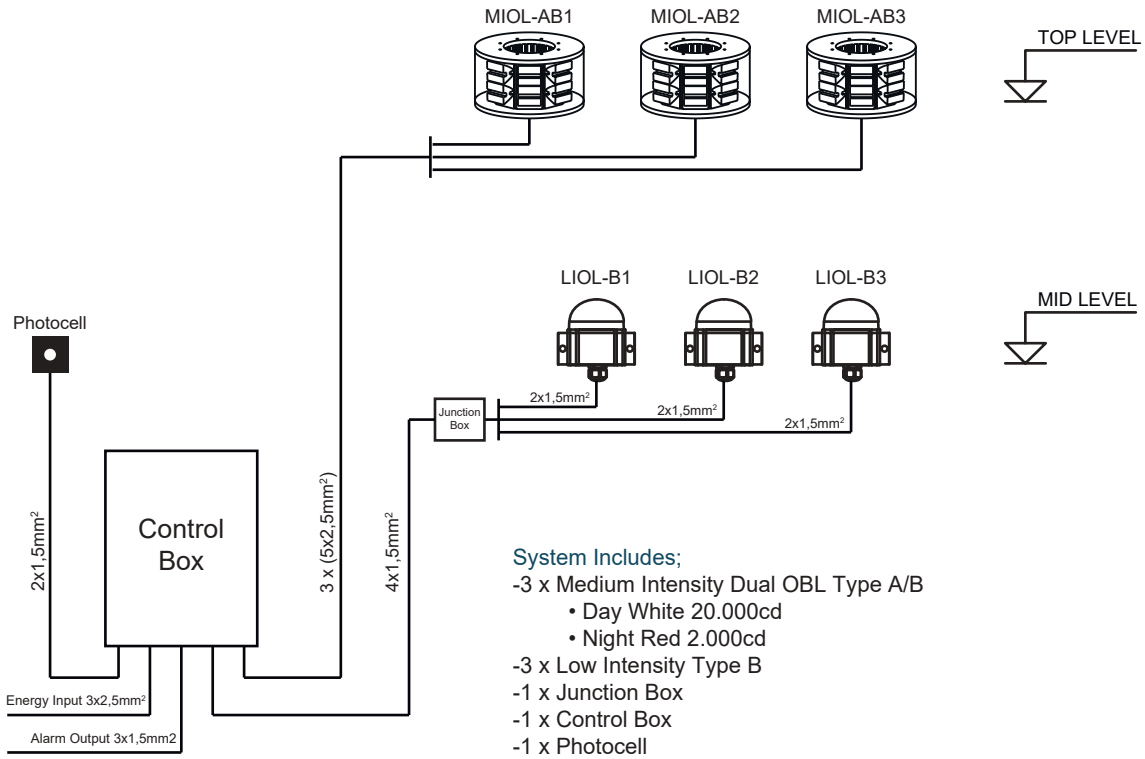
System Includes;
-3 x Medium Intensity Type B
-3 x Low Intensity Type B
-1 x Junction Box
-1 x Control Box
-1 x Photocell

OBL SYSTEM 4 MIOL-B + 4 LIOL-B



System Includes;
-4 x Medium Intensity Type B
-4 x Low Intensity Type B
-1 x Junction Box
-1 x Control Box
-1 x Photocell

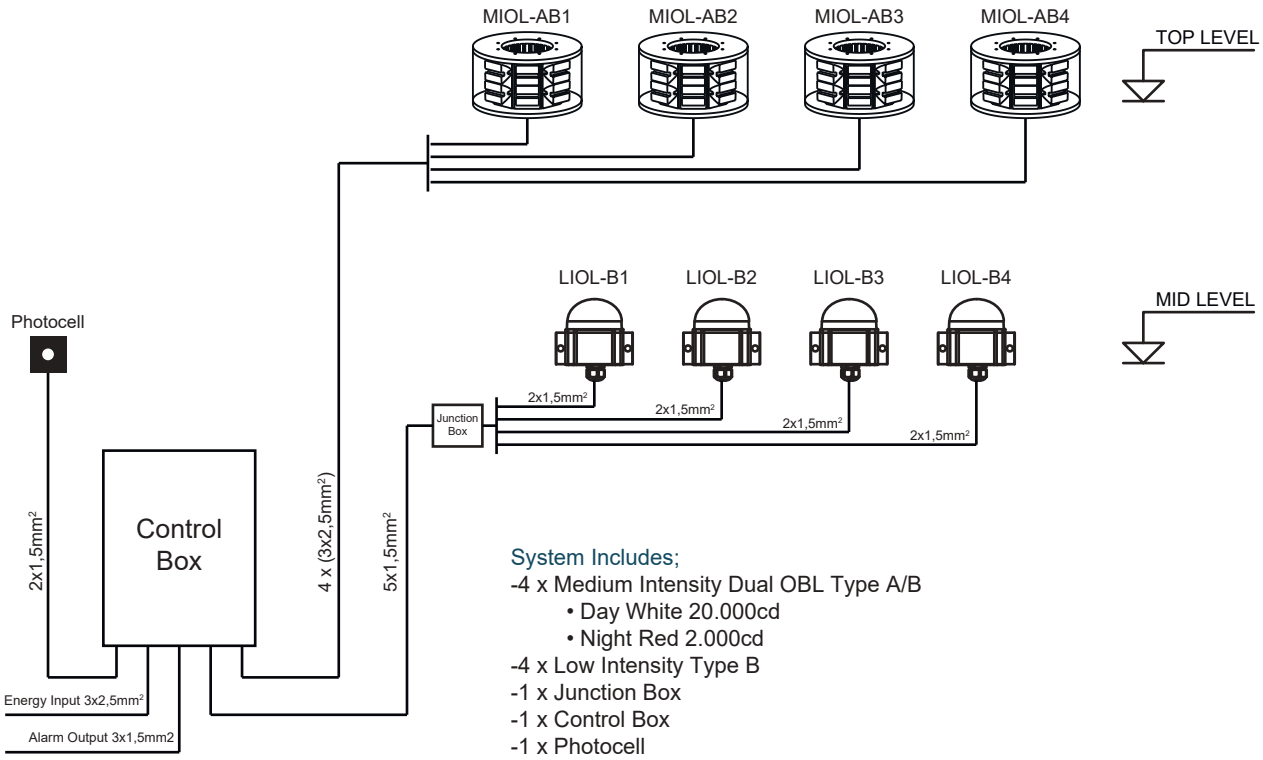
OBL SYSTEM 3 MIOL-AB + 3 LIOL-B



System Includes;
-3 x Medium Intensity Dual OBL Type A/B
- Day White 20.000cd
- Night Red 2.000cd

-3 x Low Intensity Type B
-1 x Junction Box
-1 x Control Box
-1 x Photocell

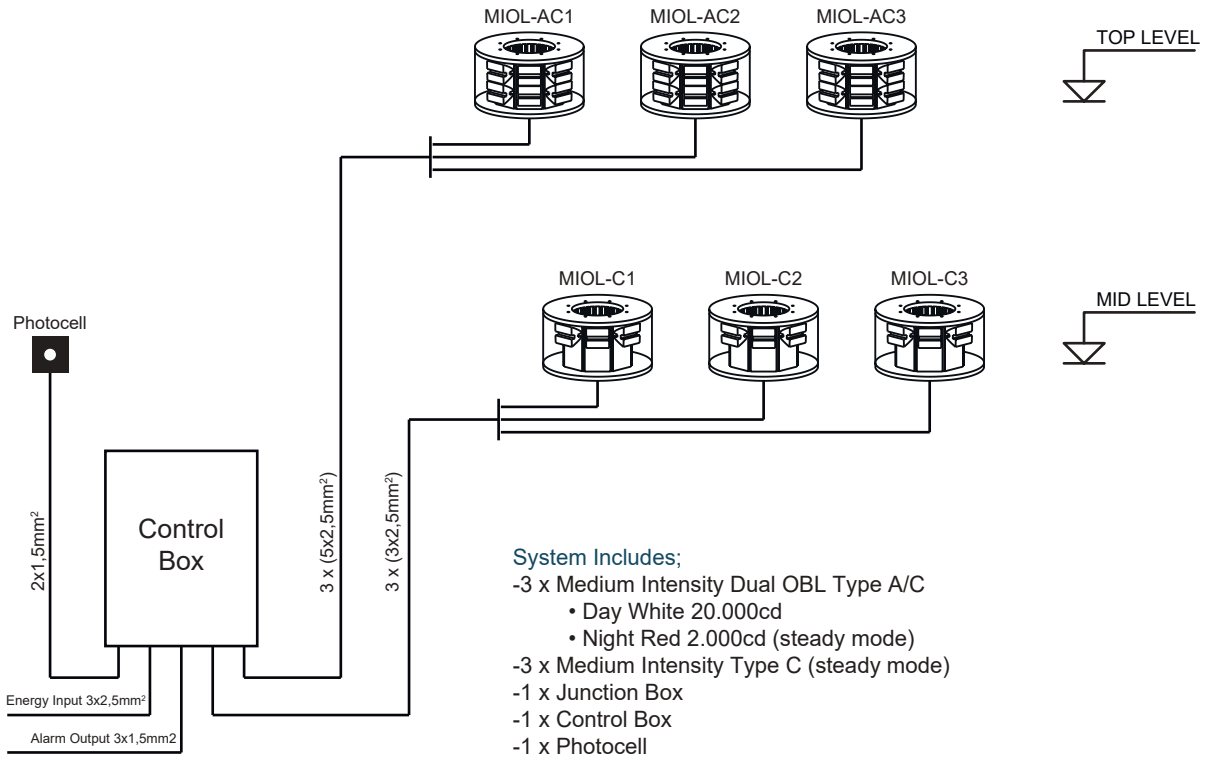
OBL SYSTEM 4 MIOL-AB + 4 LIOL-B



System Includes;
-4 x Medium Intensity Dual OBL Type A/B
- Day White 20.000cd
- Night Red 2.000cd

-4 x Low Intensity Type B
-1 x Junction Box
-1 x Control Box
-1 x Photocell

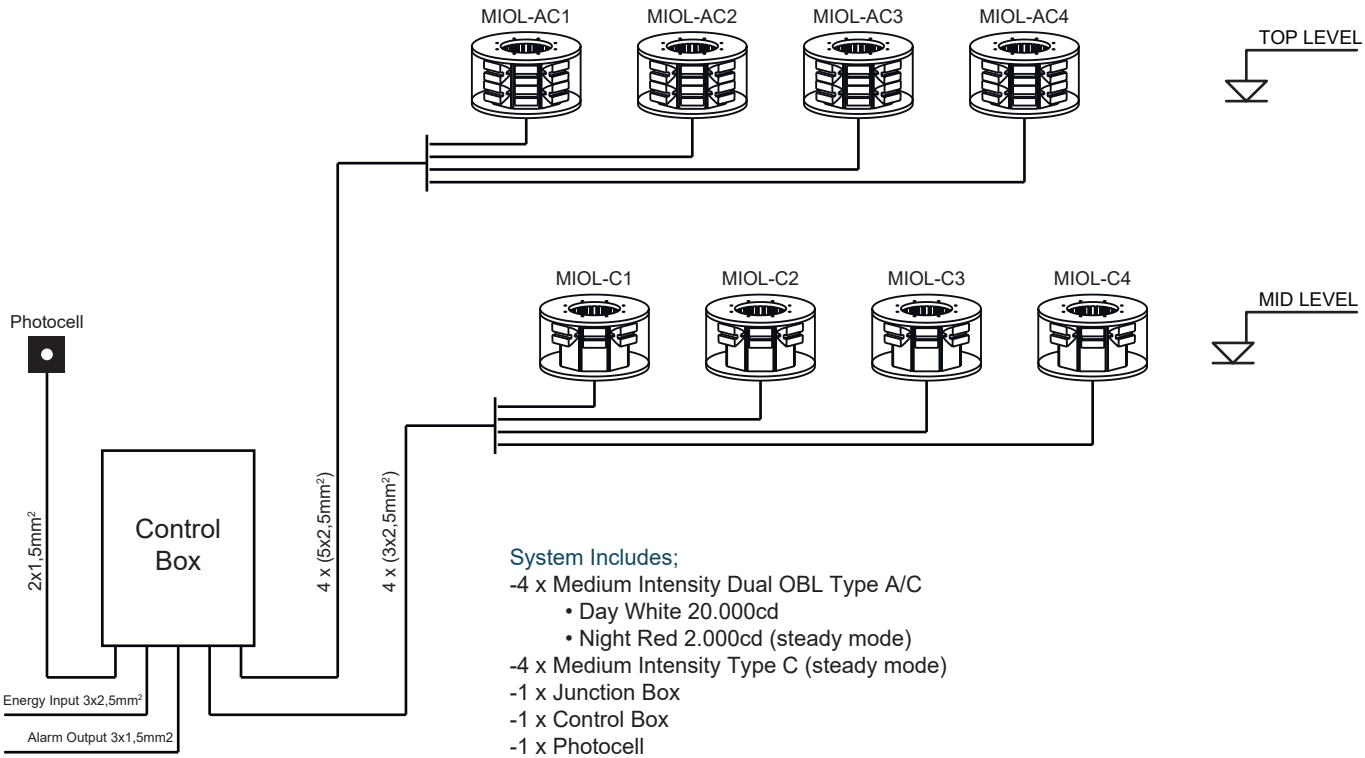
OBL SYSTEM 3 MIOL-AC + 3 MIOL-C



System Includes;
-3 x Medium Intensity Dual OBL Type A/C
- Day White 20.000cd
- Night Red 2.000cd (steady mode)

-3 x Medium Intensity Type C (steady mode)
-1 x Junction Box
-1 x Control Box
-1 x Photocell

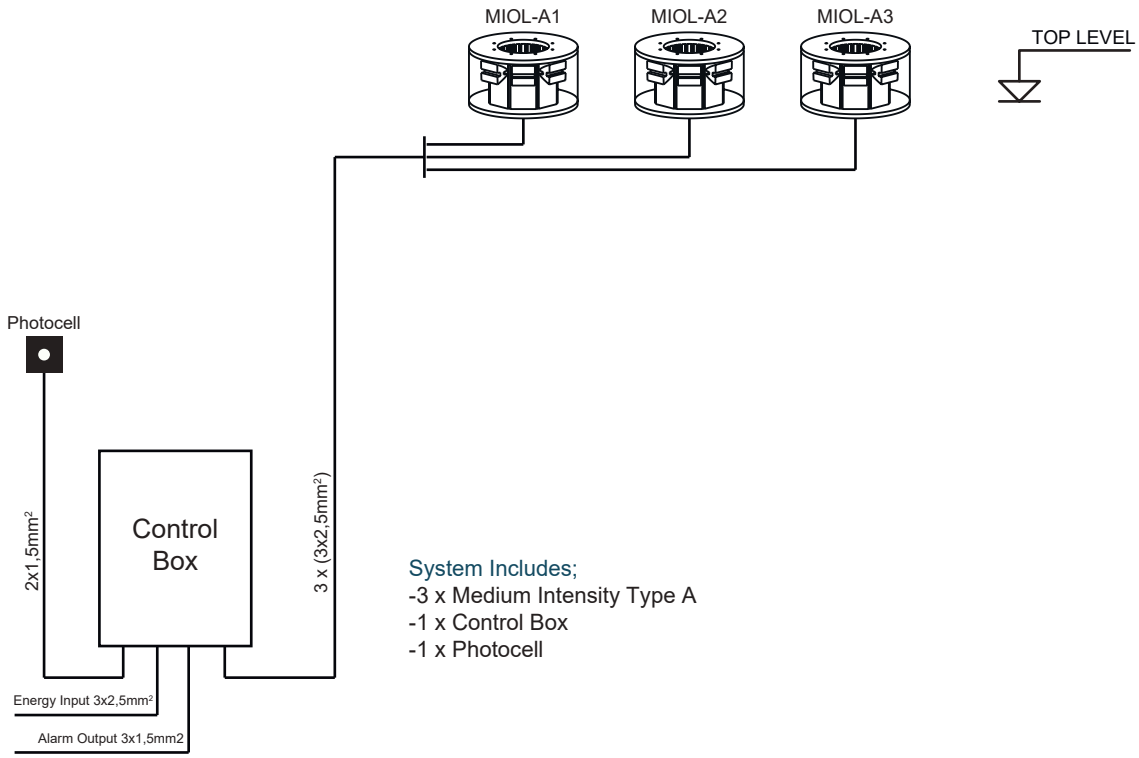
OBL SYSTEM 4 MIOL-AC + 4 MIOL-C



System Includes;
-4 x Medium Intensity Dual OBL Type A/C
- Day White 20.000cd
- Night Red 2.000cd (steady mode)

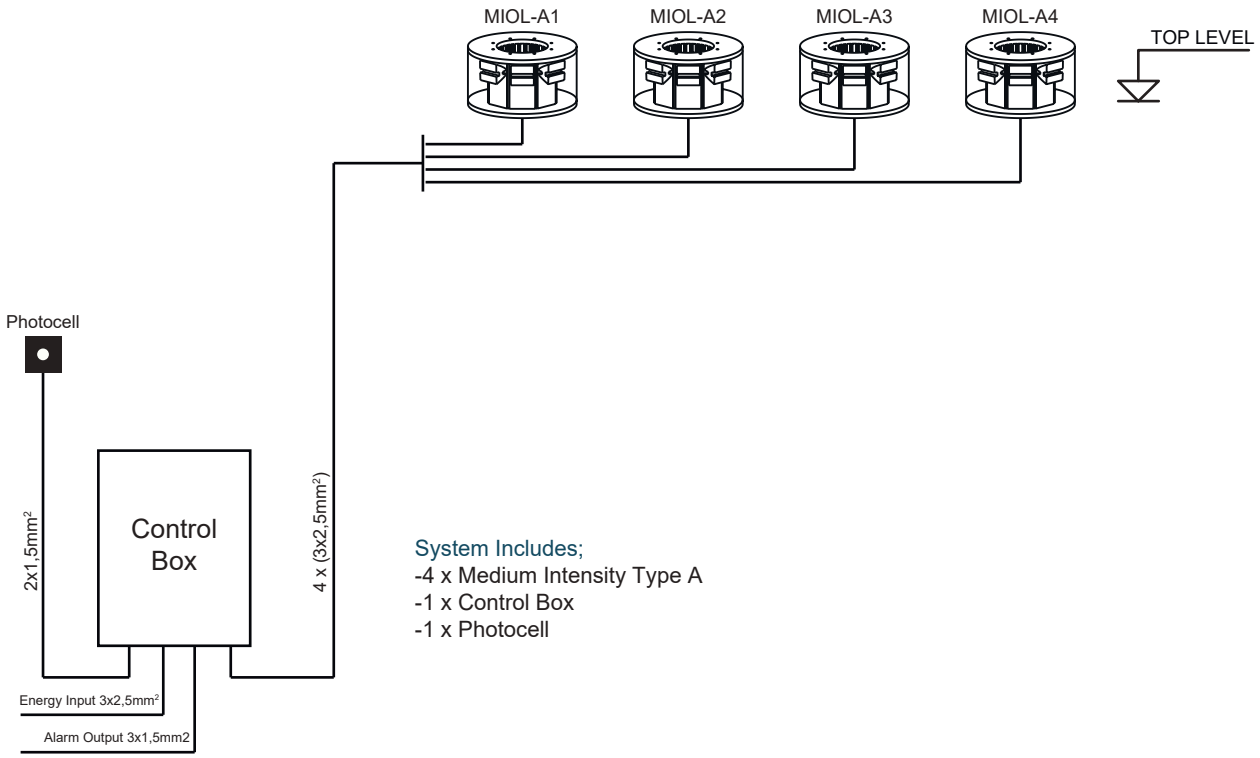
-4 x Medium Intensity Type C (steady mode)
-1 x Junction Box
-1 x Control Box
-1 x Photocell

OBL SYSTEM 3 MIOL-A



System Includes;
-3 x Medium Intensity Type A
-1 x Control Box
-1 x Photocell

OBL SYSTEM 4 MIOL-A



System Includes;
-4 x Medium Intensity Type A
-1 x Control Box
-1 x Photocell

OMNIA AYDINLATMA

Global Visibility Solutions - Leading the skyline in safety

CONTACT OUR ENGINEERING TEAM

Our global support network is ready to assist with your aviation obstruction lighting projects. From R&D to large-scale infrastructure implementation, we ensure that your structures comply with international safety standards.

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