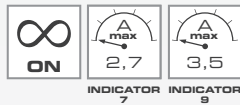
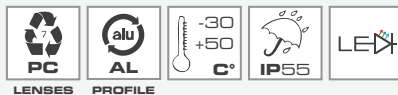




- > COMPACT SIZE <
- > DIFFERENT FLASHING PATTERNS <
- > EXCELLENT OPTICAL PERFORMANCE <



INDICATOR | PART NO

INDICATOR 7
(MULTIFUNCTIONAL BAR
7 MODULES)

12/24V



74907

INDICATOR 9
(MULTIFUNCTIONAL BAR
9 MODULES)

12/24V



74908

INDICATOR

Compact size multifunctional bar for traffic control operations.

Available with seven or nine LED modules, INDICATOR offers excellent optical performance as well as installation versatility.

Structure made up of aluminium profiles and polycarbonate lenses.

Flashing patterns are selected and simulated via control unit.

KEY CHARACTERISTICS

VOLTAGE
12/24V DC

LIGHT EFFECT
SELECTABLE FLASHING PATTERNS

LIGHT INTENSITY
INDICATOR 7: 1700 Cd(p)
INDICATOR 9: 2000 Cd(p)

PROTECTION GRADE
IP55

OPERATING TEMPERATURE
-30/+50 °C

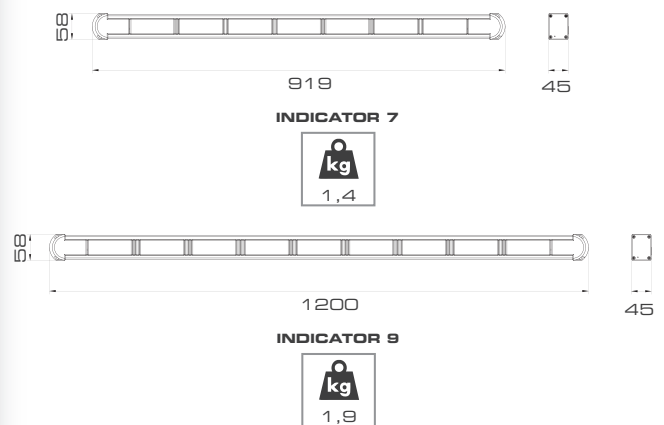
MECHANICAL FEATURES

Aluminium profiles and polycarbonate lenses

OPTICAL FEATURES

Powerful 3-LED modules allowing six different flashing patterns: Single Flash (1F), Double Flash (2F), Alternating Central/Lateral, Centre/Extremity, Left/Right, Right/Left

DRAWINGS, DIMENSIONS AND WEIGHT



CERTIFICATIONS



PENDING

HOMOLOGATION NUMBERS

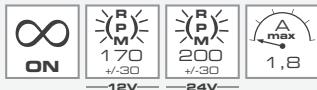
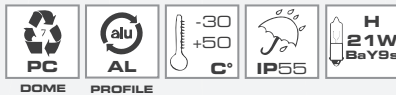
INDICATOR
(MULTIFUNCTIONAL BAR)

EMC UNECE 10R E3 PENDING (12/24V)



MINI LIGHTBAR

- > COMPACT SIZE <
- > ECE R65 APPROVED <
- > MAGNETIC <



MINI LIGHTBAR | PART NO

MINI LIGHTBAR (MAGNETIC LIGHTBAR)	
12V (WITH BULB)	24V (WITH BULB)
▲	▲
21353	21354

MINI LIGHTBAR

Compact size lightbar available with halogen source.

Developed with polycarbonate dome, extremely impact resistant, and aluminium profile.

Magnetic mount with helix cable and cigarette lighter plug.

KEY CHARACTERISTICS

VOLTAGE

12V DC
24V DC

LIGHT EFFECT

ROTATING

LIGHT INTENSITY

According to ECE R65

PROTECTION GRADE

IP55

OPERATING TEMPERATURE

-30/+50 °C

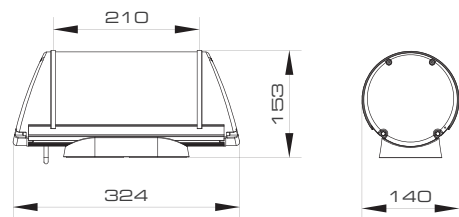
MECHANICAL FEATURES

Polycarbonate domes and aluminium profile

OPTICAL FEATURES

Developed with rotating groups, gearing with ultra silent drive belt technology.
H 21W halogen light source (BaY9s)

DRAWINGS, DIMENSIONS AND WEIGHT



MINI LIGHTBAR



CERTIFICATIONS



HOMOLOGATION NUMBERS

MINI LIGHTBAR
(MAGNETIC LIGHTBAR)

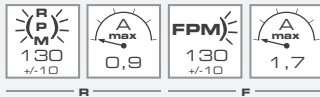
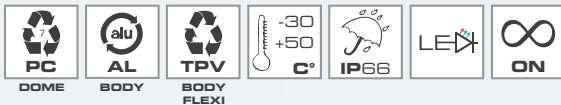
ECE R65 TA1 E3 00 7167 ▲
EMC UNECE 10R E3 03 1207 (12-24V)



ISO B1 (FLAT BASE)

LWX R B
LWX F B

> ECE R65 APPROVED <
> LOW CONSUMPTION <
> EXCELLENT OPTICAL PERFORMANCE <



ALSO AVAILABLE WITH



ISO A BASE
(MOUNT ON
ADAPTER SOCKET)

LWX R A
LWX F A



FLEXIBLE ISO A BASE
(MOUNT ON
ADAPTER SOCKET)

LWX R FLEXI
LWX F FLEXI



ISO C BASE
(M12 SINGLE BOLT
FIXING BASE)

LWX R POLE
LWX F POLE



MAGNETIC BASE,
HELIX CABLE
AND CIGARETTE
LIGHTER PLUG

LWX R MAGNETIC
LWX F MAGNETIC

LWX I PART NO

	LWX R (ROTATING EFFECT)	LWX F (FLASHING EFFECT)
	12/24V	12/24V
	A	A
B	36556	36559
A	36557	36660
FLEXI	36479	36480
POLE	36477	36478
MAGNETIC	36558	36661

LWX

Approved beacons developed with LED light source, available with rotating (LWX R) or flashing effect (LWX F).

Engineered to synchronize more devices (ISO B1 base versions) switched on simultaneously (max. 8 devices).

Provided with polycarbonate dome, LWX beacons are available with:

- aluminium base (LWX B, A, POLE)
- flexible rubber base (LWX FLEXI), especially resistant to vibrations and shocks
- magnetic base, helix cable and cigarette lighter plug (LWX MAGNETIC)

KEY CHARACTERISTICS

VOLTAGE
12/24V DC

LIGHT EFFECT
ROTATING EFFECT (LWX R)
FLASHING EFFECT (LWX F): 2F/4F

LIGHT INTENSITY
According to ECE R65

PROTECTION GRADE
IP66

OPERATING TEMPERATURE
-30/+50 °C

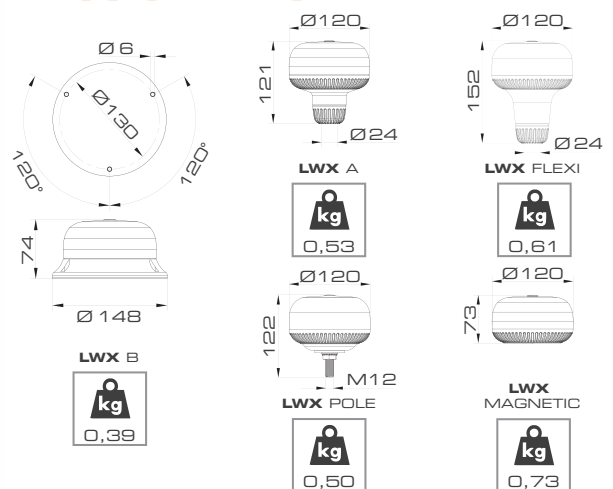
MECHANICAL FEATURES

Unbreakable polycarbonate dome and aluminium base (according to ISO 4148, standard form B1 I form A I form C). Magnetic base LWX FLEXI: flexible thermoplastic base and polycarbonate dome allowing high impact resistance

OPTICAL FEATURES

Optical group made up of 8 LEDs allowing a high intensity rotating or flashing effect

DRAWINGS, DIMENSIONS AND WEIGHT



CERTIFICATIONS



HOMOLOGATION NUMBERS

	LWX R (ROTATING EFFECT)	LWX F (FLASHING EFFECT)
ECE R65 TA1 E3	00 7070 A	00 7105 A
EMC 2006/28/CE e3	03 1184 (12/24V)	03 1201 (12/24V)

ROTATOR



FLEXIBLE ISO A
(MOUNT ON
ADAPTER SOCKET)

ROTATOR FLEXI

> ECE R65 APPROVED <
> EXCELLENT OPTICAL PERFORMANCE <
> VERSATILE SOLUTIONS <



ALSO AVAILABLE WITH



ISO B1
(FLAT BASE)

ROTATOR B

ISO A BASE
(MOUNT ON
ADAPTER SOCKET)

ROTATOR A

ISO C BASE
(M12 SINGLE BOLT
FIXING BASE)

ROTATOR POLE

MAGNETIC BASE,
HELIX CABLE AND
CIGARETTE LIGHTER PLUG

ROTATOR MAGNETIC

ROTATOR | PART NO

	ROTATOR (ROTATING BEACON)	
	12V (WITH BULB)	24V (WITH BULB)
FLEXI	90160	90161
B	90162	90163
A	90164	90165
POLE	90146	90148
MAGNETIC	90166	90167

ROTATOR

Approved rotating beacons with polycarbonate dome.

Fibreglass reinforced polyamide bases.

FLEXI: vibration-proof thermoplastic flexible base and unbreakable polycarbonate dome.

Developed with halogen light source H21W.

KEY CHARACTERISTICS

VOLTAGE

12V DC (with bulb)
24V DC (with bulb)

MOTOR

Ultra silent drive belt technology
Rotation through ball bearing
Radio interference filter integrated in the motor

LIGHT INTENSITY

According to ECE R65

PROTECTION GRADE

IP55

OPERATING TEMPERATURE

-30/+50 °C

MECHANICAL FEATURES

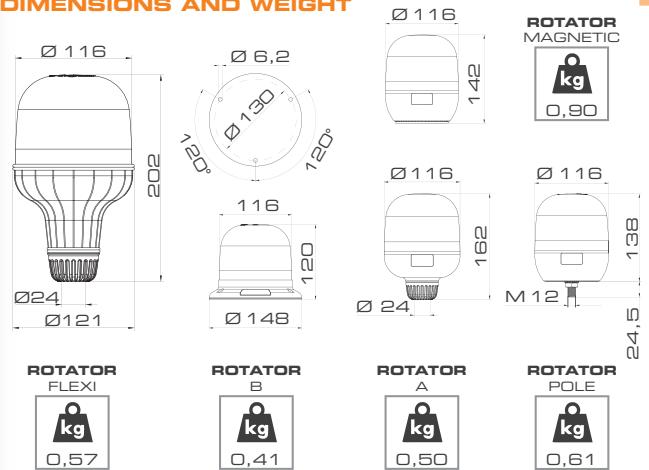
ROTATOR: polycarbonate dome (screw in mount) and fibreglass reinforced polyamide bases

ROTATOR FLEXI: flexible EPDM base (according to ISO 4148, standard form A) and unbreakable polycarbonate dome

OPTICAL FEATURES

Metallized polycarbonate reflector.
Halogen light source H21W allowing high optical performances as well as low power consumption

DRAWINGS, DIMENSIONS AND WEIGHT



CERTIFICATIONS



HOMOLOGATION NUMBERS

ROTATOR (ROTATING BEACON)	
ECE R65 TA1 E3	007141 A
EMC UNECE 10R E3	03 1207 (12V)
EMC UNECE 10R E3	03 1207 (24V)

BEAMER



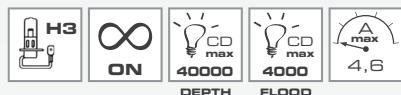
ISO A MOUNT
(DIFFUSED LIGHT)

BEAMER FLOOD A

ISO A MOUNT
(DEPTH LIGHT)

BEAMER DEPTH A

- > **ALLOWS ORIENTATION** <
- > **HALOGEN LUMINOUS SOURCE** <
- > **EXCELLENT OPTICAL PERFORMANCE** <



ALSO AVAILABLE WITH



MAGNETIC BASE,
HELIX CABLE AND
CIGARETTE LIGHTER PLUG
(DIFFUSED LIGHT)

BEAMER FLOOD MAGNETIC



MAGNETIC BASE,
HELIX CABLE AND
CIGARETTE LIGHTER PLUG
(DEPTH LIGHT)

BEAMER DEPTH MAGNETIC

BEAMER | PART NO

	BEAMER FLOOD (WORK BEAM DIFFUSED LIGHT)		BEAMER DEPTH (WORK BEAM DEPTH LIGHT)	
	12V	24V	12V	24V
	(WITH BULB)		(WITH BULB)	
A	90172	90173	90168	90169
MAGNETIC	90174	90175	90170	90171

BEAMER

Halogen work beams, extremely bright light output. PA housing and tempered glass light diffuser.

Available with Diffused light (FLOOD) or Depth light (DEPTH).

Developed with halogen light source 55W and 70W.

KEY CHARACTERISTICS

VOLTAGE

12V DC (with bulb)
24V DC (with bulb)

LIGHT INTENSITY

DEPTH: 40.000 Cd(p)
DIFFUSED: 4.000 Cd(p)

PROTECTION GRADE

IP44

OPERATING TEMPERATURE

-30/+50 °C

MECHANICAL FEATURES

PA housing and tempered glass light diffuser.
Allows orientation.

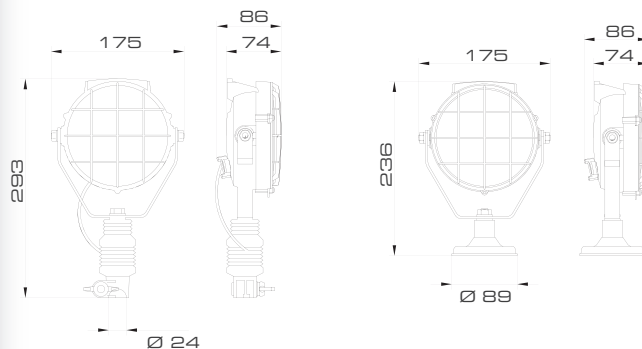
ISO A mount (A versions), magnetic base with helix cable and cigarette lighter plug (MAGNETIC versions)

OPTICAL FEATURES

Powerful halogen light source, H3 55W (12V) and 70W (24V) projected on the reflector, producing a rich intense light beam (40.000 Cd(p) - Depth light, 4.000 Cd(p) - Diffused light.

Illumination: Diffused light (FLOOD) or Depth light (DEPTH)

DRAWINGS, DIMENSIONS AND WEIGHT



BEAMER A



BEAMER MAGNETIC



CERTIFICATIONS



OL360



ISO B1 (FLAT BASE)

OL360 B



ISO A (MOUNT ON ADAPTER SOCKET)

OL360 A



Radio remote control

- > **PATENTED** <
- > **REMOTE CONTROLLED** <
- > **360° ROTATION** <
- > **LOW CONSUMPTION** <
- > **HIGH LIGHT INTENSITY** <



OL360

Latest generation remote controlled search beams with LED luminous source, extremely bright light output.

Radiocontrolled with automatic resetting.

High heat resistant polycarbonate dome and fibreglass reinforced nylon base.

KEY CHARACTERISTICS

VOLTAGE

12V DC
24V DC

MOTOR

Two worm gear motors guarantee a complete horizontal rotation and a vertical rotation (upwards and downwards at 260° approx.)

Five sintered brushes allow electrical contacts between the fixed base and the moving part of the beam

LIGHT INTENSITY

50.000 Cd(p)

PROTECTION GRADE

IP55

OPERATING TEMPERATURE

-20/+50 °C

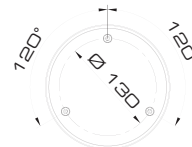
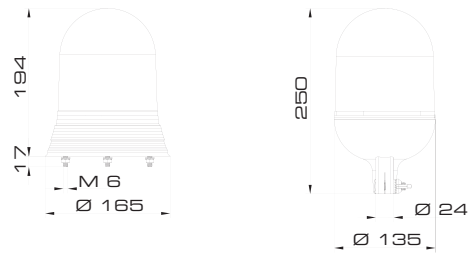
MECHANICAL FEATURES

High heat resistant polycarbonate dome and fibreglass reinforced nylon base (according to ISO 4148, standard form B1 and A)

OPTICAL FEATURES

Powerful LED source (1 High Power LED) projected on the reflector, producing a rich intense light beam

DRAWINGS, DIMENSIONS AND WEIGHT



OL360 B



OL360 A



OL360 | PART NO

OL360
(RADIOCONTROLLED LED SEARCH BEAM)

12V — 24V

B	45074	45075
A	45076	45077

CERTIFICATIONS



HOMOLOGATION NUMBERS

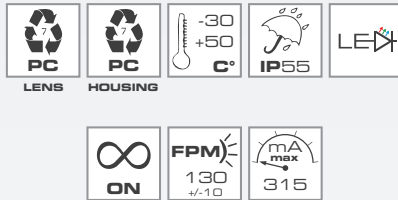
OL360
(RADIOCONTROLLED LED SEARCH BEAM)

EMC UNECE E3 10R 04 1222 (12-24V)



FWL

> LOW CONSUMPTION <
> EXCELLENT OPTICAL PERFORMANCE <



FWL | PART NO

FWL
(LINEAR WARNING LIGHTS)

12/24V



allCOLOR
allCLEAR

90287
90288

FWL

Superbright LED linear warning lights suitable when the signaling function is important but where compact size is required.

The device allows two lighting effects: flashing light (double flash) and cruise light.

Polycarbonate dome and housing.

Available with allCOLOR and allCLEAR lens.

KEY CHARACTERISTICS

VOLTAGE
12/24V DC

LIGHT EFFECT
FLASHING EFFECT: double flash (2F)
CRUISE LIGHT

PROTECTION GRADE
IP55

OPERATING TEMPERATURE
-30/+50 °C

MECHANICAL FEATURES

Unbreakable polycarbonate lens and housing

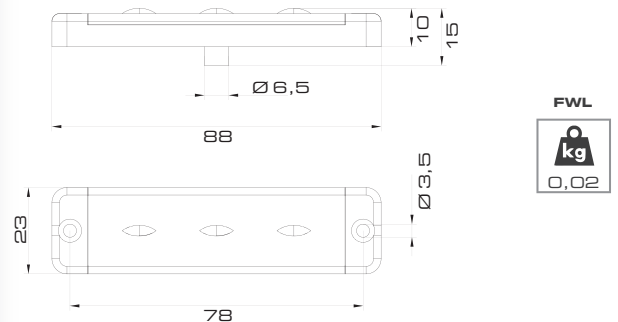
OPTICAL FEATURES

Optical group made up of 3 superbright LEDs allowing a high intensity flashing effect (double flash) or cruise light

allCOLOR
Colored lens with colored light source

allCLEAR
Clear lens with colored light source

DRAWINGS, DIMENSIONS AND WEIGHT



CERTIFICATIONS



PENDING

HOMOLOGATION NUMBERS

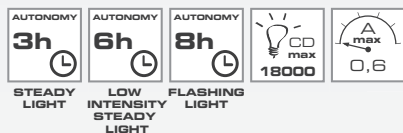
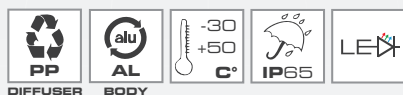
FWL
(LINEAR WARNING LIGHTS)

EMC UNECE 10R E3 PENDING (12/24V)



T PLUS

- > SUPERBRIGHT <
- > ADJUSTABLE LIGHT SPAN <
- > RECHARGEABLE BATTERY <



SUPPLIED WITH



240V
BATTERY
CHARGER
T PLUS



CAR
BATTERY
CHARGER
T PLUS

T PLUS | PART NO

T PLUS
(LED MINI TORCH)

T PLUS

74909

T PLUS

T PLUS torch offers excellent optical performance in a compact design (black aluminium body).

With a powerful projecting adjustable LED span, allows T PLUS three luminous effects: steady light, low intensity steady light and flashing light.

Operation with rechargeable battery.

Orange signaling cone, battery and chargers supplied with the torch.

KEY CHARACTERISTICS

RECHARGE VOLTAGE

12/24V DC
Battery: 3,7V li-ion 3000/mAh

MAX. CHARGE TIME

150 min.

LIGHT EFFECT

STEADY LIGHT
LOW INTENSITY STEADY LIGHT
FLASHING LIGHT

LIGHT INTENSITY

STEADY LIGHT: 18.000 Cd(p)
LOW INTENSITY STEADY LIGHT: 5.000 Cd(p)

PROTECTION GRADE

IP65

OPERATING TEMPERATURE

-30/+50 °C

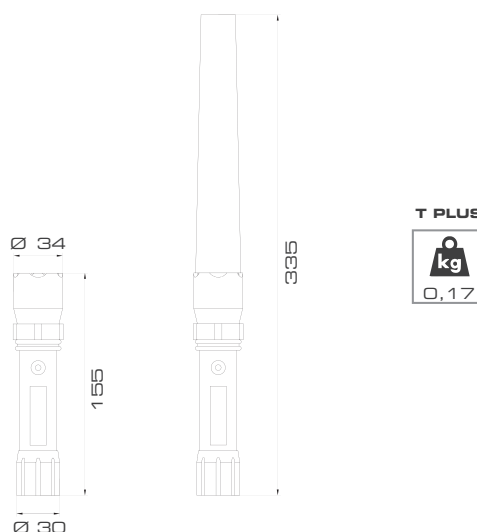
MECHANICAL FEATURES

Black aluminium body and polypropylene signaling cone

OPTICAL FEATURES

Optical group made up of 1 very bright LED allowing a high intensity steady light, low intensity steady light and flashing effect

DRAWINGS, DIMENSIONS AND WEIGHT



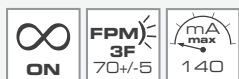
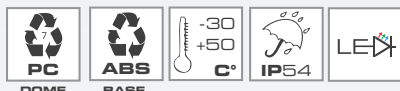
CERTIFICATIONS





FORK PLUS

- > **VERY BRIGHT LED SOURCE** <
- > **LOW CONSUMPTION** <
- > **HIGH RESISTANCE TO VIBRATIONS** <
- > **LONG SERVICE LIFE** <



APPLICATION EXAMPLE



CAN BE USED WITH



INDIGO
OPTICAL DRIVING
PATH WARNING
DEVICE
84668 (see page 13)



REVERSER
BACK-UP ALARM
52341 (see page 14)

FORK PLUS | PART NO

FORK PLUS
(LED BEACON)
10/100V
A
84667

FORK PLUS

Multi-voltage LED beacon engineered to deliver greater safety in forklift operations.

4 powerful LED allow a high intensity triple flash (3F) effect, ideal to grab pedestrians' or other vehicles' attention and to warn them of forklift approach.

FORK PLUS can be used in addition with REVERSER back-up alarm and INDIGO visual driving path warning device, to increase level of alert, ideal for facilities with excessive noise or in aisles and especially in confusing crossing areas.

KEY CHARACTERISTICS

VOLTAGE
10/100V DC

LIGHT EFFECT
TRIPLE-FLASH STROBE EFFECT (3F)

PROTECTION GRADE
IP54

OPERATING TEMPERATURE
-30/+50 °C

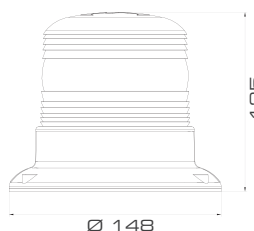
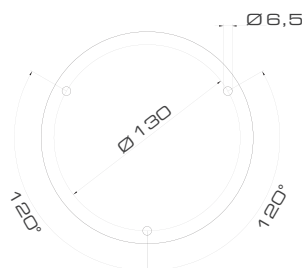
MECHANICAL FEATURES

Polycarbonate dome with high impact resistance. ABS base (according to ISO 4148, standard form B1)

OPTICAL FEATURES

4 powerful LEDs. The dome (Fresnel lens) intensify the triple-flash strobe effect

DRAWINGS, DIMENSIONS AND WEIGHT



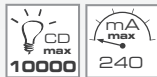
CERTIFICATIONS





INDIGO

- > **VERY BRIGHT LED SOURCE** <
- > **LOW CONSUMPTION** <
- > **HIGH RESISTANCE TO VIBRATIONS** <
- > **LONG SERVICE LIFE** <



APPLICATION EXAMPLE



CAN BE USED WITH



FORK PLUS LED BEACON
84667 (see page 12)



REVERSER BACK-UP ALARM
52341 (see page 14)

INDIGO | PART NO

INDIGO
(OPTICAL DRIVING PATH WARNING DEVICE)
10/100V
 84668

INDIGO

Visual driving path warning aid engineered to deliver extra safety in forklift operations by projecting a powerful blue beam over the floor, few metres ahead of forklift in direction of travel.

Warns pedestrians and other vehicles of forklift approach, preventing accidents (operation in addition with REVERSER back-up alarm and FORK PLUS LED beacon is recommended).

KEY CHARACTERISTICS

VOLTAGE
10/100V DC

LIGHT INTENSITY
10.000 Cd(p)

PROTECTION GRADE
IP54

OPERATING TEMPERATURE
-30/+40 °C

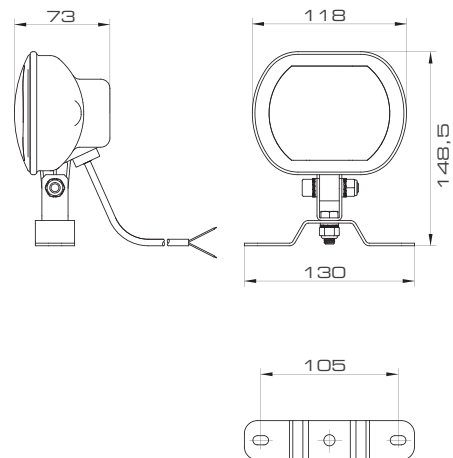
MECHANICAL FEATURES

Unbreakable polycarbonate dome and base with high impact resistance

OPTICAL FEATURES

Very bright blue LED light projected on the reflector, producing a rich intense blue beam

DRAWINGS, DIMENSIONS AND WEIGHT



CERTIFICATIONS





REVERSER

> IP65 <
> 2 MOUNT SOLUTIONS <



EXAMPLE APPLICATION



CAN BE USED WITH



INDIGO
OPTICAL DRIVING
PATH WARNING
DEVICE
84668 (see page 13)



FORK PLUS
LED BEACON
84667 (see page 12)

REVERSER | PART NO

REVERSER
(BACK-UP ALARM)
10/100V
52341

REVERSER

Multi-voltage back-up alarm engineered to deliver safety in forklift operations.

With intermittent sound, REVERSER allows to select two levels of sound output (Low and High). Low output allows an optimal acoustic signaling function yet without disturbing the operator in environments with very low background noise.

REVERSER can be used with FORK PLUS LED beacon and with INDIGO visual driving path warning device.

KEY CHARACTERISTICS

NUMBER OF TONES

1 (Intermittent sound - Low | High output)

VOLTAGE

10/100V DC

PROTECTION GRADE

IP65

OPERATING TEMPERATURE

-30/+50 °C

MECHANICAL FEATURES

Fibreglass reinforced nylon body with thermoplastic coating, allows high IP rating (IP 65). Screw mount (M4) or by means of the front lock ring

ACOUSTIC FEATURES

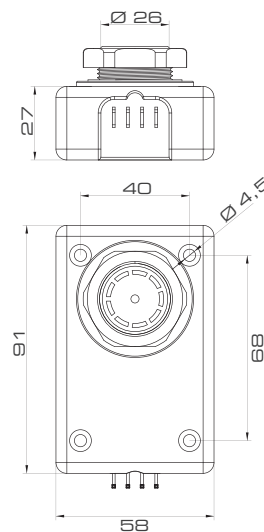
FREQUENCY

Piezoelectrical unit, frequency 2400 Hz +/-100

ACOUSTIC OUTPUT

95 dB(A)1 mt - 85 dB(A)1 mt (reduced output)

DRAWINGS, DIMENSIONS AND WEIGHT



REVERSER



CERTIFICATIONS

