



**DECKMA GmbH**

...high performance for the sea!

# **INNOVATION – FOUNDED ON TRADITION**

PRODUCT CATALOGUE



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# LIGHTING WHEN THE SUN GOES DOWN





CEILING LIGHT FIXTURE IP 20

# TECHNICAL LIGHTS

## CEILING LIGHT RECESSED

**APPLICATION AREA**

Recessed luminary for passage ways, cabins, corridors, lounges, dining rooms and accommodation areas

**HOUSING**

Zinc coated steel; Powder coated RAL 9010;  
Diffuser made of opal acrylic

**DESIGN**

According to the rules of international classification societies, VDE and IEC

**MOUNTING**

Recessed mounted, 4x mounting brackets, 2x cable inlets 20mm

**TECHNICAL**

Ambient Temp [°C]: -30/+45

**OPTIONS**

IP 44 model; Transparent diffuser; Emergency battery kit;  
Emergency E14 lamp holder

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
IONIAN LED-56-3	220-240V	50-60HZ	18W	3000K
IONIAN LED-56-4	220-240V	50-60HZ	18W	4000K
IONIAN LED-56-5	220-240V	50-60HZ	18W	5000K
IONIAN LED-112-3	220-240V	50-60HZ	32W	3000K
IONIAN LED-112-4	220-240V	50-60HZ	32W	4000K
IONIAN LED-112-5	220-240V	50-60HZ	32W	5000K



CEILING LIGHT FIXTURE IP 20

# TECHNICAL LIGHTS

## DOWNLIGHT

**APPLICATION AREA**

Corridors, stores, crew cabins, bridge

**OPTIONS**

Surface frame SD6C

**DESIGN**

According to the rules of international classification societies, VDE and IEC

**HOUSING**

Recessed mounted panel light with clip on LED driver

**MOUNTING**

Recessed mounted / fixing with springs

**TECHNICAL**

Ambient Temp [°C]: -10/+45

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
S-6C (R-6C)	180-265V	50-60HZ	15	3000W
S-8C (R-8C)	180-265V	50-60HZ	22	3000W



CEILING LIGHT FIXTURE IP 20

# TECHNICAL LIGHTS

## DOWNLIGHT

APPLICATION AREA

Corridors, stores, crew cabins, bridge

DESIGN

According to the rules of international classification societies, VDE and IEC

OPTIONS

Slave unit operates with master for dimming and changing from white to red light

HOUSING

Aluminium; Diffuser white acrylic glass

MOUNTING

Recessed mounted

TECHNICAL

Ambient Temp [°C]: -10/+45

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
EB22-3 MASTER/CHROME BRUSHED	10-30VDC		6	3000K
EB22-3 SLAVE/CHROME BRUSHED	10-30VDC		6	3000K
EB22-3 MASTER/WHITE	10-30VDC		6	3000K
EB22-3 SLAVE/WHITE	10-30VDC		6	3000K



CHART TABLE LIGHT IP20

# TECHNICAL LIGHTS

## CHART TABLE LIGHT

APPLICATION AREA

Chart table

DESIGN

According to the rules of international classification societies, VDE and IEC

OPTIONS

External plugin 230V adapter

HOUSING

Plastic; Diffuser glass

MOUNTING

Surface mounted

TECHNICAL

Built-in dimmer; Switch; Red light filter glass plane; 1,5m mains lead

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
TELLUS ARM 500MM	12-24V AC/DC		3W	
TELLUS ARM 700MM	12-24V AC/DC		3W	



GALLEY LIGHT FIXTURE IP 44

# TECHNICAL LIGHTS

## GALLEY AND COLD ROOM LIGHT

**APPLICATION AREA**

Surface luminary for kitchens, galleys, pantries and provision stores, where there are strict hygiene rules

**DESIGN**

According to rules of USPH (U.S.Public Health) and to rules of maritime classification societies, additional VDE and IEC/EN

**HOUSING**

Stainless steel; Diffuser made of clear polycarbonate; UV stabilized (opal diffuser available)

**MOUNTING**

Four or six holes; Two cable grommets M20

**TECHNICAL**

Pass trough with Wieland watertight connector  
Ambient Temp [°C]: -40/+60

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
SOFIA LED-56-3	220-240V	50-60HZ	18W	3000K
SOFIA LED-56-4	220-240V	50-60HZ	18W	4000K
SOFIA LED-56-5	220-240V	50-60HZ	18W	5000K
SOFIA LED-112-3	220-240V	50-60HZ	32W	3000K
SOFIA LED-112-4	220-240V	50-60HZ	32W	4000K
SOFIA LED-112-5	220-240V	50-60HZ	32W	5000K



OUTDOOR MULTIPURPOSE LIGHT FIXTURE IP67

# TECHNICAL LIGHTS

## MULTI PURPOSE LIGHT

**APPLICATION AREA**

Engine rooms, weather-exposed areas, cargo holds, deck stores, workshops, industrial areas

**DESIGN**

According to the rules of international classification societies, VDE and IEC

**HOUSING**

Zinc coated steel, powder coated white; RAL9016 (stainless steel version available); Diffuser made of clear polycarbonate; UV stabilized (opal diffuser available)

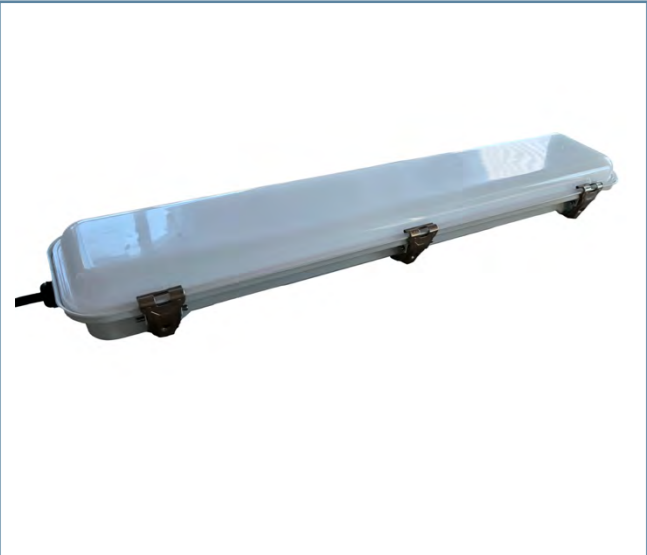
**MOUNTING**

Two holes 8 mm (additional mounting systems available);  
Two cable glands M20 and two stop plugs M20

**TECHNICAL**

Ambient Temp [°C]: -25/+60

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
POSEIDON LED-56-3	220-240V	50-60HZ	20W	3000K
POSEIDON LED-56-4	220-240V	50-60HZ	20W	4000K
POSEIDON LED-56-5	220-240V	50-60HZ	20W	5000K
POSEIDON LED-112-3	220-240V	50-60HZ	35W	3000K
POSEIDON LED-112-4	220-240V	50-60HZ	35W	4000K
POSEIDON LED-112-5	220-240V	50-60HZ	35W	5000K



OUTDOOR MULTIPURPOSE LIGHT FIXTURE IP67



# TECHNICAL LIGHTS

## MULTI PURPOSE LIGHT

**APPLICATION AREA**

Engine rooms, weather-exposed areas,cargo holds, deck stores, workshops, industrial areas

**DESIGN**

According to the rules of international classification societies, VDE and IEC

**HOUSING**

SS316 stainless steel; Colour white RAL9010; Diffuser opal polycarbonate

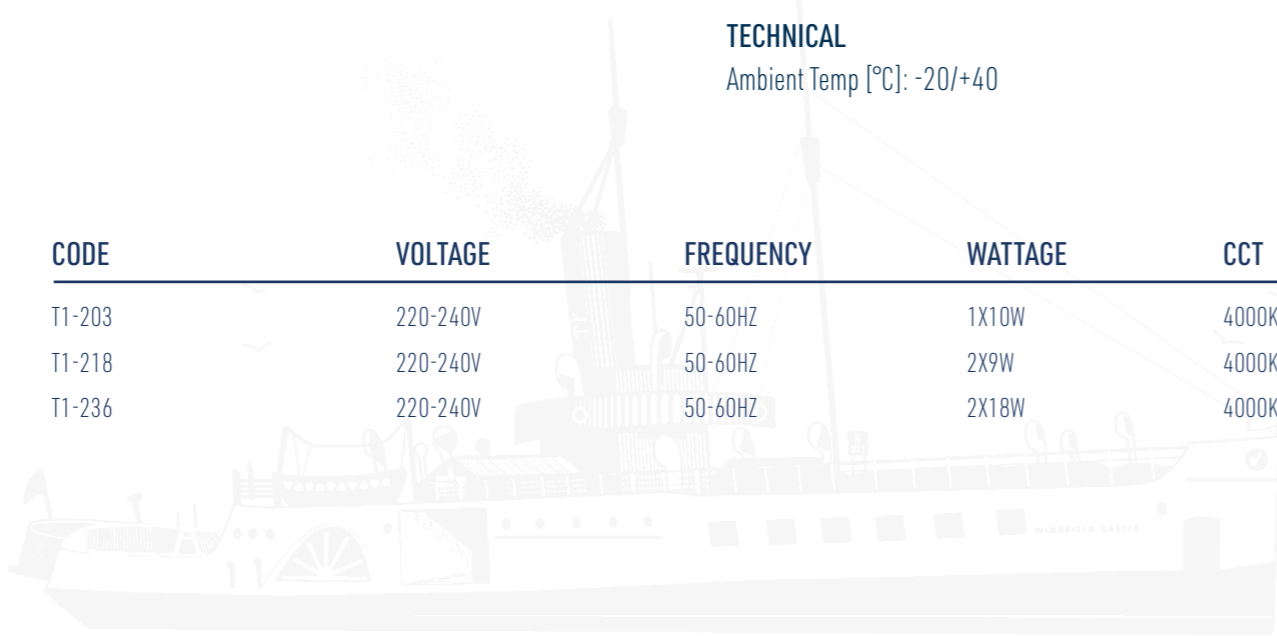
**MOUNTING**

Surface mounted with 2 x M8 bolts; 2 x M20 cable gland, 2 x blind plug

**TECHNICAL**

Ambient Temp [°C]: -20/+40

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
T1-203	220-240V	50-60HZ	1X10W	4000K
T1-218	220-240V	50-60HZ	2X9W	4000K
T1-236	220-240V	50-60HZ	2X18W	4000K



OUTDOOR MULTIPURPOSE LIGHT FIXTURE IP67



# TECHNICAL LIGHTS

## TUBE LIGHT

**APPLICATION AREA**

Engine rooms, weather-exposed areas, cargo holds, deck stores, workshops, industrial areas

**DESIGN**

According to the rules of international classification societies, VDE and IEC

**HOUSING**

PPMA – Stainless steel end cups

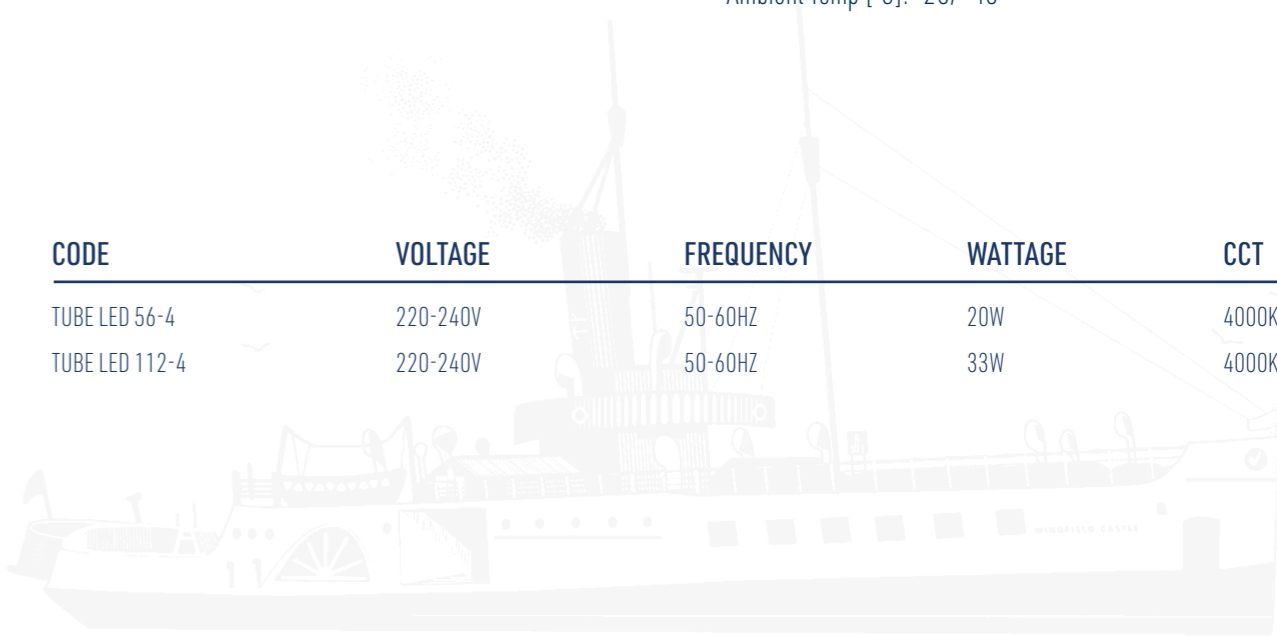
**MOUNTING**

Stainless steel mounting kit (x2)

**TECHNICAL**

Ambient Temp [°C]: -20/+40

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
TUBE LED 56-4	220-240V	50-60HZ	20W	4000K
TUBE LED 112-4	220-240V	50-60HZ	33W	4000K





LED FLOODLIGHT IP67

# TECHNICAL LIGHTS

## LED FLOODLIGHT

**APPLICATION AREA**

Engine rooms, weather-exposed areas, cargo holds, industrial areas

**DESIGN**

According to the rules of international classification societies, VDE and IEC

**OPTION**

NB 35°= narrow beam; WB 64°= wide beam; 4000K

**HOUSING**

Marine grad aluminium; Diffuser made of safety glass

**MOUNTING**

Stainless steel bracket

**TECHNICAL**

Ambient Temp [°C]: -20/+40

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
APOLLO 50-SB 21°	90-305V	50-60HZ	55W	5000K
APOLLO 100-SB 21°	90-305V	50-60HZ	110W	5000K
APOLLO 150-SB 21°	90-305V	50-60HZ	160W	5000K
APOLLO 200-SB 21°	90-305V	50-60HZ	210W	5000K
APOLLO 300-SB 21°	90-305V	50-60HZ	325W	5000K



HALOGEN AND HPS FLOODLIGHT IP67

# TECHNICAL LIGHTS

## FLOODLIGHT

**APPLICATION AREA**

Engine rooms, weather-exposed areas, cargo holds, deck stores, workshops, industrial areas

**DESIGN**

According to the rules of international classification societies, VDE and IEC

**OPTION**

Ballast for AEGEAN2 E40 and AEGEAN3-2E40 must be ordered seperate

**HOUSING**

Stainless steel, powder coated white RAL9016; Diffuser made of safety glass; Reflector made of anodized aluminium; Wide beam angle

**MOUNTING**

Stainless steel bracket

**TECHNICAL**

Ambient Temp [°C]: -20/+40

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
AEGEAN1	110-240V	50-60HZ	200W-500W	R7s
AEGEAN 2-R7S	110-240V	50-60HZ	750W-1000W	R7s
AEGEAN 2-E40	110,230V	50, 60HZ	250W, 400W	E40
AEGEAN 3-2E40	110,230V	50, 60HZ	250W, 400W	2X E40
AEGEAN 3-E40	110,230V	50, 60HZ	250W, 400W	E40



EX D LIGHT FIXTURE IP66

# TECHNICAL LIGHTS

## EXPLOSION PROOF LIGHT

**APPLICATION AREA**

EVX-5050: EX D areas; EVML-50: EX E areas

**DESIGN**

EVX-5050: Ex II 2GD Ex d IIC T Gb Ex tb IIIC T °C Db IP66  
EVML-50: EX II 2GD EX E MB I

**MOUNTING**

EVX-5050: Ceiling mounted, 4 x cable entries 3/4;  
EVML-50: Ceiling mounted, Adjustable mounting bracket,  
Cable gland Nickel plated brass type REV011B (5-10mm)

**TECHNICAL**

EVX-5050: Ambient Temp [°C]: -20/+60  
EVML-50: Ambient Temp [°C]: -40/+40

**HOUSING**

EVX-5050; Low copper, alu alloy: Light grey; Diffuser borosilicate glass; EVML-50; Low copper, alu alloy; Light grey (RAL7035); Diffuser impact-resistant tempered glass

CODE	VOLTAGE	FREQUENCY	WATTAGE	LAMPHOLDER
EVX-5050	220-240V	50-60HZ	70W	E27
EVML-50	220-240V	50-60HZ	107W	LED



LED FLOODLIGHT EX DE IIB+H2 IP66

# TECHNICAL LIGHTS

## EXPLOSION PROOF LIGHT

**APPLICATION AREA**

EX D areas

**DESIGN**

Ex II 2GD Ex IIB + H2 T5 Gb Ex tb IIIC  
T100 °C Db IP66, (T6 + 40 °C)

**HOUSING**

Low copper /alu alloy; Colour light grey (RL7035); Diffuser shock resistant tempered glass

**MOUNTING**

Surface mounted; 2 cable inputs M25x1.5: with 1x cable gland REV21B (12-18mm) and 1 blind plug PLG21B - both brass vern

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
SLED-250	100-277V	50-60HZ	122W	6500K
SLED-400	100-277V	50-60HZ	194W	6500K
SLED-600	100-277V	50-60HZ	290W	6500K



EXPLOSION PROOF SURFACE  
WATERTIGHT LED LUMINARY IP66



# TECHNICAL LIGHTS

## EXPLOSION PROOF LIGHT

APPLICATION AREA

Explosion proof areas for Zone 1, 2, 21, 22

HOUSING

Anodised aluminium; Polycarbonat diffuser

DESIGN

II 2 G EX EB MB OP IS IIC T5... ´ T6 GB  
II 2 D EX OPIS TB IIIC T80°C DB

MOUNTING

Stainless steel brackets; Cable glands M25 (x2)

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
KLEX 1011-2F	100-277V	50-60HZ	36W	4000K
KLEX 1011-4F	100-277V	50-60HZ	72W	4000K



EXPLOSION PROOF SURFACE  
WATERTIGHT LED LUMINARY IP65



# TECHNICAL LIGHTS

## EXPLOSION PROOF LIGHT

APPLICATION AREA

Explosion proof areas for Zone 1, 2, 21, 22

OPTION

110V on request

DESIGN

Eurocert 22 ATEX 0007 / Ex II 2G Exdb IIC T6 Gb

HOUSING

Borosilicate glass, aluminum end caps

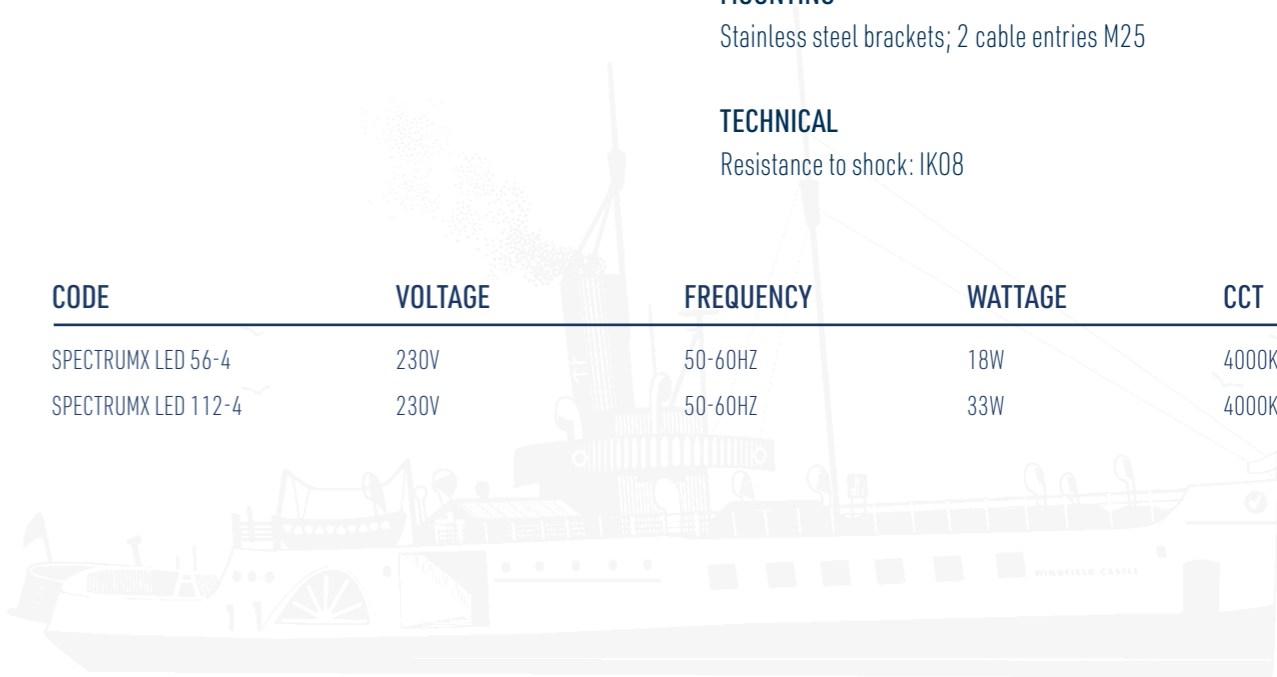
MOUNTING

Stainless steel brackets; 2 cable entries M25

TECHNICAL

Resistance to shock: IK08

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
SPECTRUMX LED 56-4	230V	50-60HZ	18W	4000K
SPECTRUMX LED 112-4	230V	50-60HZ	33W	4000K



# LIGHTING/ SEARCHLIGHTS

## LED SEARCHLIGHT



LED SEARCHLIGHT IP66

**APPLICATION AREA**

A perfect solution for tugs, workboats, high speed vessels and pilot boats

**DESIGN**

A big advancement, which uses a new revolutionary LED-chip having the highest lumen output per square mm

**OPTION**

Different voltage on request; DHR230 for manual operation on request

**HOUSING**

Chromated seawater resistant aluminium housing with a UV resistant RAL9016 powder coat finish. All other materials are corrosion resistant and non-magnetic. Hardened glass parabolic mirror reflector Ø 300 mm

**MOUNTING**

Bulkhead mounting with 4x M8 screws

**TECHNICAL**

IP66 c/w membrane vent

CODE	VOLTAGE	POWER	RANGE	FOCUS	LUMENS	CANDELA
DHR 230RCL21	115-230VAC	75W	800M	NO	8.767 lm	600KCD
DHR 320RCL22	115-230VAC	100W	APP1500M	4° UP TO 20°	12.000 lm	1.5 MILLION CD
DHR 320RCP22	115-230VAC	250W	APP1800M	4° UP TO 20°	20.000 lm	3.0 MILLION CD



HALOGEN SEARCHLIGHT IP66

**APPLICATION AREA**

A perfect solution for tugs, workboats, cargo vessels or even larger inland vessels

**DESIGN**

An impressive optical system in combination with a robust and compact design, makes it a unique, distinctive and high-quality searchlight

**OPTION**

DHR 350DS with “deck controlled” (direct) operation  
DHR 350CS with “cabin controlled” (wheelhouse) operation  
DHR 350RC and DHR 420RC with remote controlled

**HOUSING**

Chromated seawater resistant aluminium housing with a UV-resistant RAL9016 powder coat finish. All other materials are corrosion resistant and non-magnetic.

**MOUNTING**

Bulkhead mounting with 4x M8 screws

**TECHNICAL**

IP66 c/w Membrane vent

CODE	VOLTAGE	LAMP	POWER	RANGE	FOCUS	LUMENS
350DS 220	230VAC	GX 9,5	1000	1104M	NO	1 220 000 lm
350DS 220	230VAC	GX 9,5	1000	1104M	NO	1 220 000 lm
350RCN 220	230VAC	GX 9,5	1000	1104M	NO	1 220 000 lm
420RCB 220	230VAC	GY 16	2000	1225M	6,5- 20°	1 500 000 lm



XENON SEARCHLIGHT IP66

# LIGHTING/ SEARCHLIGHTS

## XENON SEARCHLIGHT

**APPLICATION AREA**

Xenon lamps provide a type of light with very high colour temperature. This visible spectrum and infrared range, making them superior to be used in searchlights for spotting ice and other potential hazards.

**DESIGN**

The design of this xenon searchlight is based on many years of experience and extensive research in the field of marine lighting.

**OPTION**

Underdeck manual control; Direct manual control

**HOUSING**

Stainless steel and seawater resistant aluminium glass parabolic mirror reflector; Toughened frontglass; Silicon rubber gaskets

**MOUNTING**

Bulkhead mounting with 4x M8 screws

**TECHNICAL**

Pan movement full 360°; Tilt movement +20° to -20°; Operating temperature to -40°; Protection class IP54

CODE	VOLTAGE	POWER	RANGE	ILLM AREA AT TARGET	DIVERGENCE	LIGHT CD.
IM400RCX	230VAC	1000W	6700M	180M	1,5°	45X10 MIO



DAYLIGHT SIGNALLING LIGHT IP 56

# LIGHTING/ SEARCHLIGHTS

## DAYLIGHT SIGNALLING LIGHT

**APPLICATION AREA**

Halogen daylight signalling searchlight. For morse and torch light operation

**DESIGN**

The ergonomic housing ensures comfortable operating, for example by means of adjustable hand straps both for left-handed and right-handed persons. In addition, the durable housing is also very light due to modern materials. Targeting is made easy by means of an eye piece with integrated dioptr. The front rocker switch together with integrated micro-switch make signalling comfortable and easy.

**OPTION**

Transportation case with battery and charging unit for safe storing; Different colour filters on request

**HOUSING/MOUNTING**

Polyester; Only for handheld operation

**TECHNICAL**

Protection class IP56

**APPROVAL**

DNV GL SE MEDB0000206, MEDD00000J3, ISO 25861, EN 60945, IMO Res. MSC. 95, ships of 150 GT at least acc. to SOLAS

CODE	VOLTAGE	WATTAGE	RANGE
HML-ISO 35	12V/24V DC	30W	DAY 3400M/NIGHT 21400M

# TECHNICAL LIGHTS

## CORNER LIGHT



SURFACE LED CORRIDORS LUMINARY IP22

APPLICATION AREA

Corner luminary for use in passage ways, cabins, corridors, lounges, dining rooms, accommodation areas

DESIGN

According to the rules of international classification societies, VDE and IEC

OPTION

Emergency E14 lampholder

HOUSING

Zinc coated steel; Powder coated RAL 9010;  
Diffuser made of opal acrylic

MOUNTING

Three mounting holes 5,5mm; Four cable inlets 20mm

TECHNICAL

Ambient temp [°C]: -30/+45

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
LUNA LED-56-3	220-240V	50-60HZ	20W	3000K
LUNA LED-56-4	220-240V	50-60HZ	20W	4000K
LUNA LED-112-3	220-240V	50-60HZ	35W	3000K
LUNA LED-112-4	220-240V	50-60HZ	35W	4000K



SURFACE MOUNTED CEILING LUMINAIRE IP22

APPLICATION AREA

Surface luminary for cabins, passenger facilities, corridors, wheelhouses

DESIGN

According to the rules of international classification societies, VDE and IEC

OPTION

Transparent diffuser emergency E14 lampholder

HOUSING

Zinc coated steel; powder coated RAL 9010;  
Diffuser made of opal acrylic

MOUNTING

Four mounting holes 5,5mm; Two cable inlets 20 mm

TECHNICAL

Ambient temp [°C]: -30/+45  
Flexible cable, heat resistant up to 105°

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
PRISMA LED-56-3	220-240V	50-60HZ	18W	3000K
PRISMA LED-56-4	220-240V	50-60HZ	18W	4000K
PRISMA LED-112-3	220-240V	50-60HZ	32W	3000K
PRISMA LED-112-4	220-240V	50-60HZ	32W	4000K



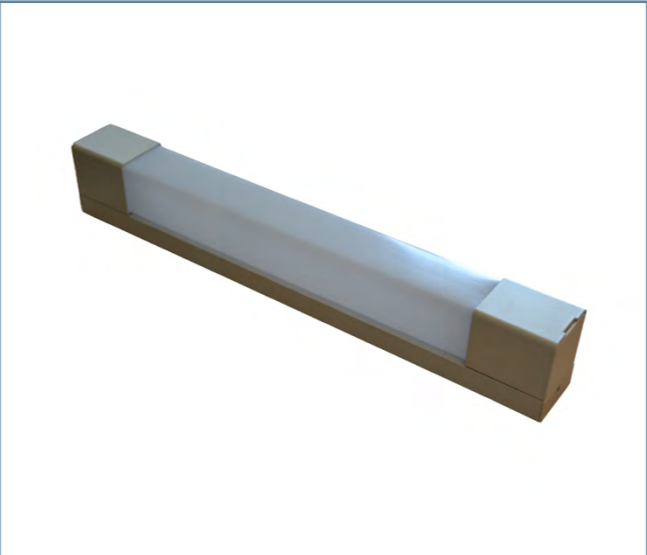
READING WALL LIGHT IP20

# DECORATIVE LIGHTS

## READING LIGHT / BED LIGHT

<b>APPLICATION AREA</b>	<b>HOUSING</b>
Cabins	Aluminium
<b>DESIGN</b>	<b>MOUNTING</b>
According to the rules of international classification societies, VDE and IEC	Surface mounted
	<b>TECHNICAL</b>
	3W, 36°

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
TINOS/W/W WHITE	100-240V	50-60HZ	3W	3000K
TINOS/B/W BLACK	100-240V	50-60HZ	3W	3000K
TINOS/N/W CHROME	100-240V	50-60HZ	3W	3000K



MIRROR LUMINARY IP44

# DECORATIVE LIGHTS

## MIRROR LIGHT

<b>APPLICATION AREA</b>	<b>HOUSING</b>
Surface luminary for use in cabins and bathrooms	Aluminium; Powder coated white
<b>DESIGN</b>	<b>TECHNICAL</b>
According to the rules of international classification societies, VDE and IEC	With built-in sunricher dali dimmable driver, with ET SLK7 5 way connector, with AAG Stucchi 5 way plug supplied with 10A EU socket.
	LED Life Time: 50 000 L90 B10 / MacAdam steps: 3 / UGR: 19

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
SD3102	220-240V	50-60HZ	8,4	3000K

# DECORATIVE LIGHTS

## DOWNLIGHT



DOWNLIGHT IP54

APPLICATION AREA

Cabins, public areas

DESIGN

According to the rules of international classification societies, VDE and IEC

OPTIONS

Black RAL 9005

HOUSING

Aluminium; White RAL 9016

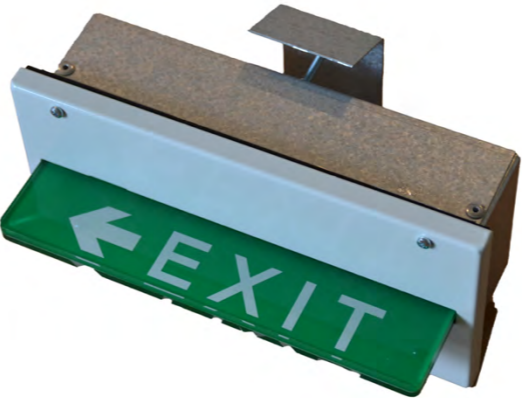
MOUNTING

Recessed

TECHNICAL

DL3025-DL3028: Lighting control: Tridonic non-dim, ECG Standard, Actec triac dim, 0-10V, Dali dimming upon request

CODE	VOLTAGE	VERSION	WATTAGE	CCT
DL3025 SEMI SQUARE	36	RECESSED	8	2700K OR 4000K
DL3026 SEMI ROUND	36	RECESSED	8	2700K OR 4000K
DL3027 SEMI SQUARE	36	RECESSED	8	2700K OR 4000K
DL3028 SEMI ROUND	36	RECESSED	8	2700K OR 4000K
DL3043 SEMI ROUND SHOWER IP67	36	RECESSED	10	2700K OR 4000K
DL3090 SEMI ROUND	36	RECESSED	9	2700K OR 4000K



EXIT LUMINARY IP20

APPLICATION AREA

Escape routes

DESIGN

According to the rules of international classification societies, VDE and IEC

OPTIONS

Colour finish: chrome or brass available

HOUSING

Galvanize steel; Powder colour white; Diffuser acrylic

MOUNTING

Recessed with mounting bracket, cover with 4 screw

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
GU-EXIT LED	230V	50-60HZ	4W	3000K

# DECORATIVE LIGHTS

## WALL LIGHT OUTSIDE



BEGA WALL LAMP IP 65

**APPLICATION AREA**

Surface wall lamp outside (areas, balconies)

**DESIGN**

According to the rules of international classification societies, VDE and IEC

**OPTIONS**

Silber or graphite

**HOUSING**

Body of cast aluminium white and impact resistant crystal glass

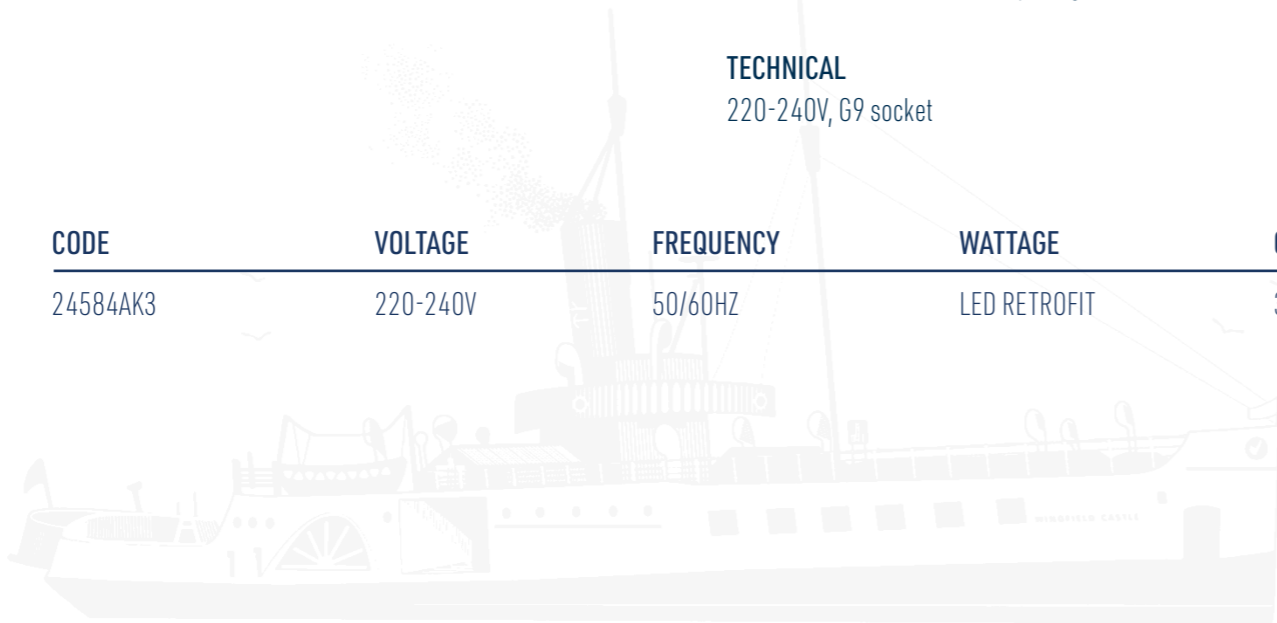
**MOUNTING**

2 fixed holes Ø 5mm 105mm spacing

**TECHNICAL**

220-240V, G9 socket

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
24584AK3	220-240V	50/60HZ	LED RETROFIT	3000K



READING LIGHT IP20

**APPLICATION AREA**

Surface mounted reading light

**DESIGN**

According to the rules of international classification societies, VDE and IEC

**OPTIONS**

Colour finish: brushed nickel

**HOUSING**

Chromed brass, mounting plate steel, Powder-coated

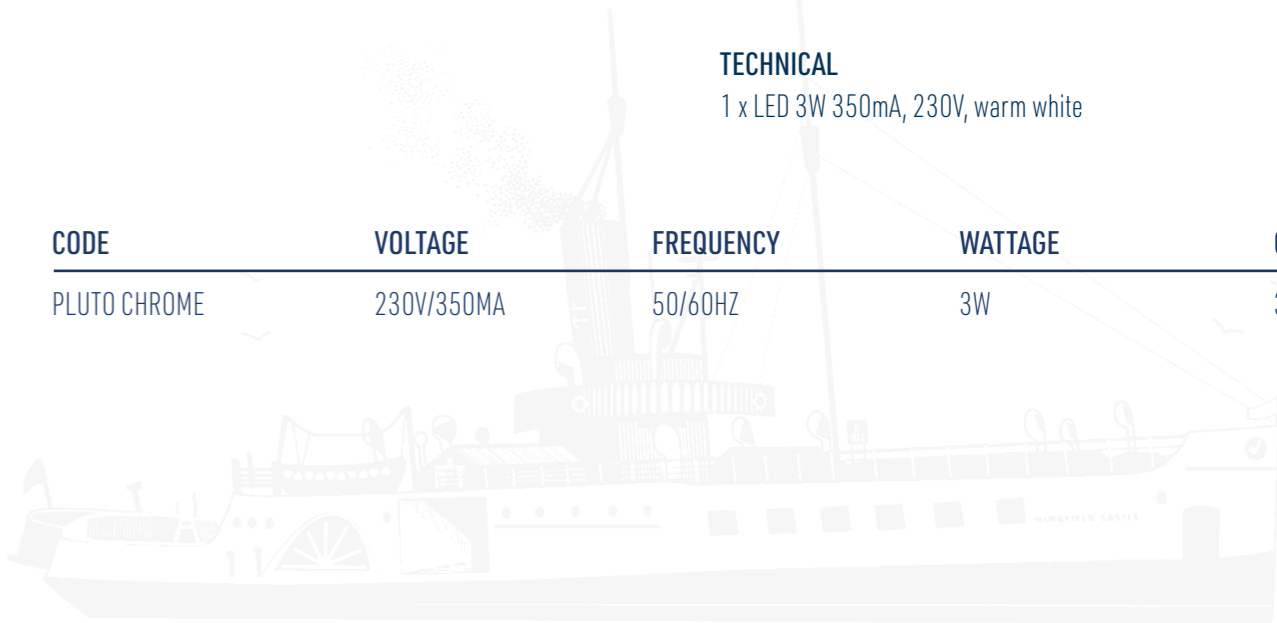
**MOUNTING**

2 screws

**TECHNICAL**

1 x LED 3W 350mA, 230V, warm white

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
PLUTO CHROME	230V/350MA	50/60HZ	3W	3000K



# DECORATIVE LIGHTS

## DOWNLIGHT



DOWNLIGHT IP20

**APPLICATION AREA**

Downlight indoor

**DESIGN**

According to the rules of international classification societies, VDE and IEC

**OPTIONS**

Brushed nickel or other colours on request

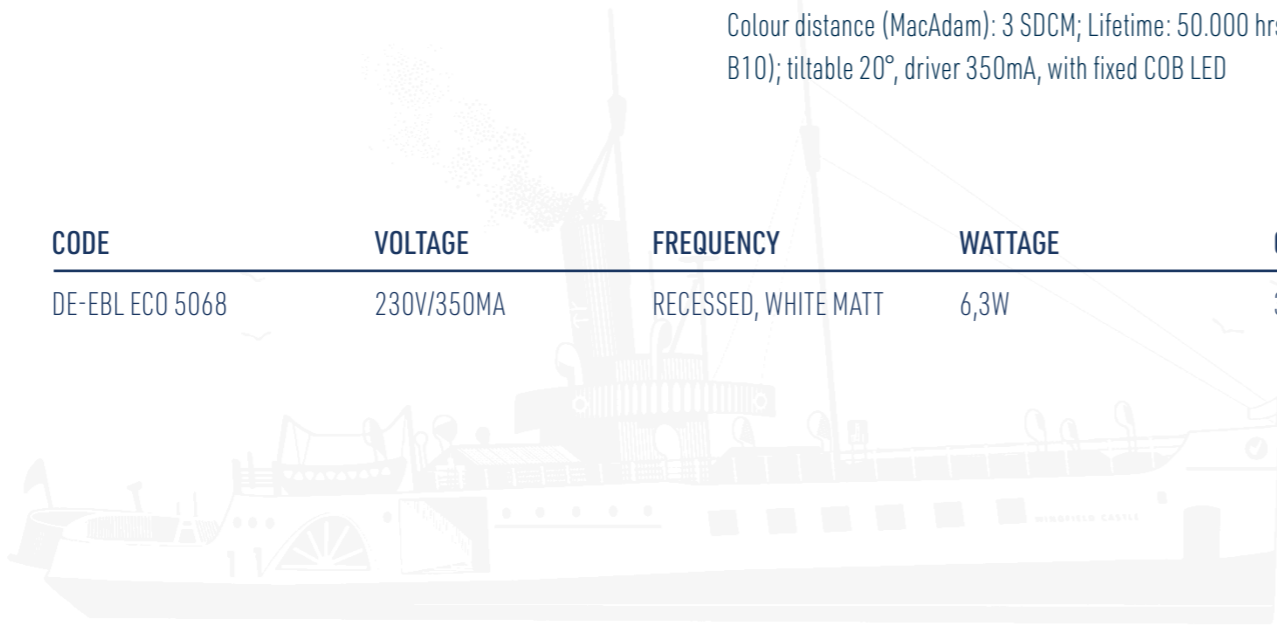
**HOUSING/ MOUNTING**

Alu powder-coated white matt; Reflector aluminium, diffuser clear glass / Recessed mounting with springs

**TECHNICAL**

Colour distance (MacAdam): 3 SDCM; Lifetime: 50.000 hrs (L80/ B10); tiltable 20°, driver 350mA, with fixed COB LED

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
DE-EBL ECO 5068	230V/350MA	RECESSED, WHITE MATT	6,3W	3000K



WALL LAMP IP20

**APPLICATION AREA**

Cabins

**DESIGN**

According to the rules of international classification societies, VDE and IEC

**OPTIONS**

Chrome on request

**HOUSING**

Body nickel brushed, varnished; Shade creme; With 2 switches

**MOUNTING**

4 screws 4mm

**TECHNICAL**

E27 + Power LED 3W 350mA; warm white

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
TJALDA	230V	50/60HZ	RETROFIT + 3W	2700/3000K

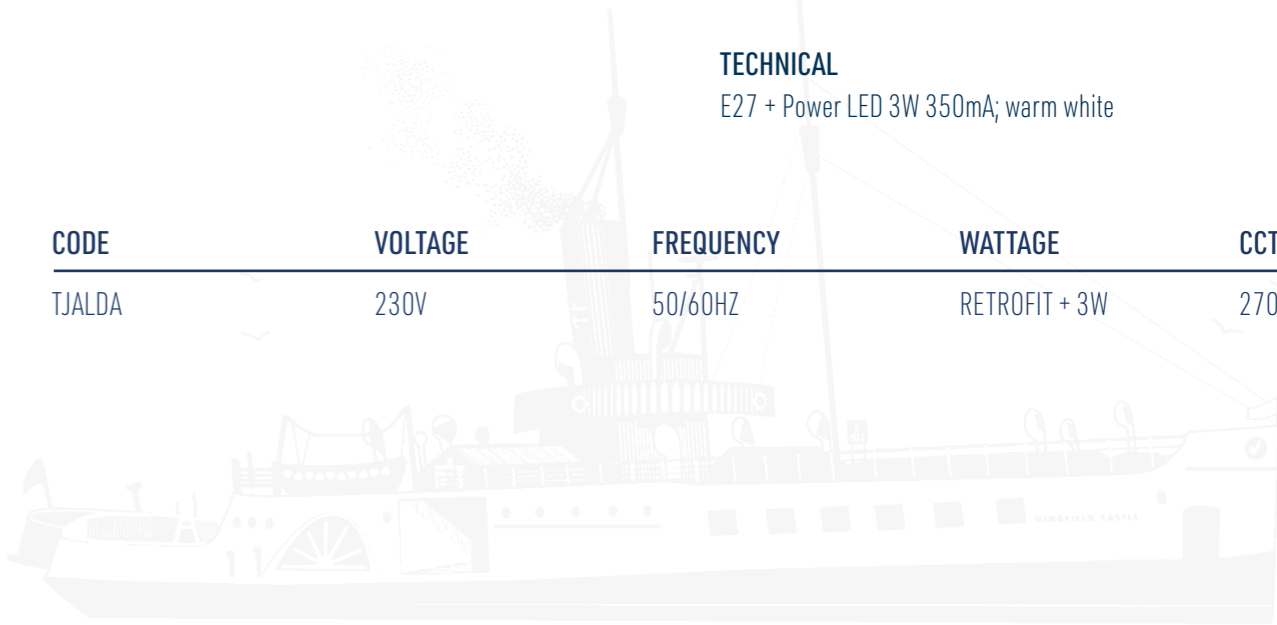




TABLE LAMP IP20

# DECORATIVE LIGHTS

## TABLE LIGHT

**APPLICATION AREA**

Suites/cabins/public areas

**DESIGN**

According to the rules of international classification societies, VDE and IEC

**HOUSING**

Antique brass; 10 Zoll french drum ivory, outside silk ivory, lining; PVC champagne, with switch and UBS socket

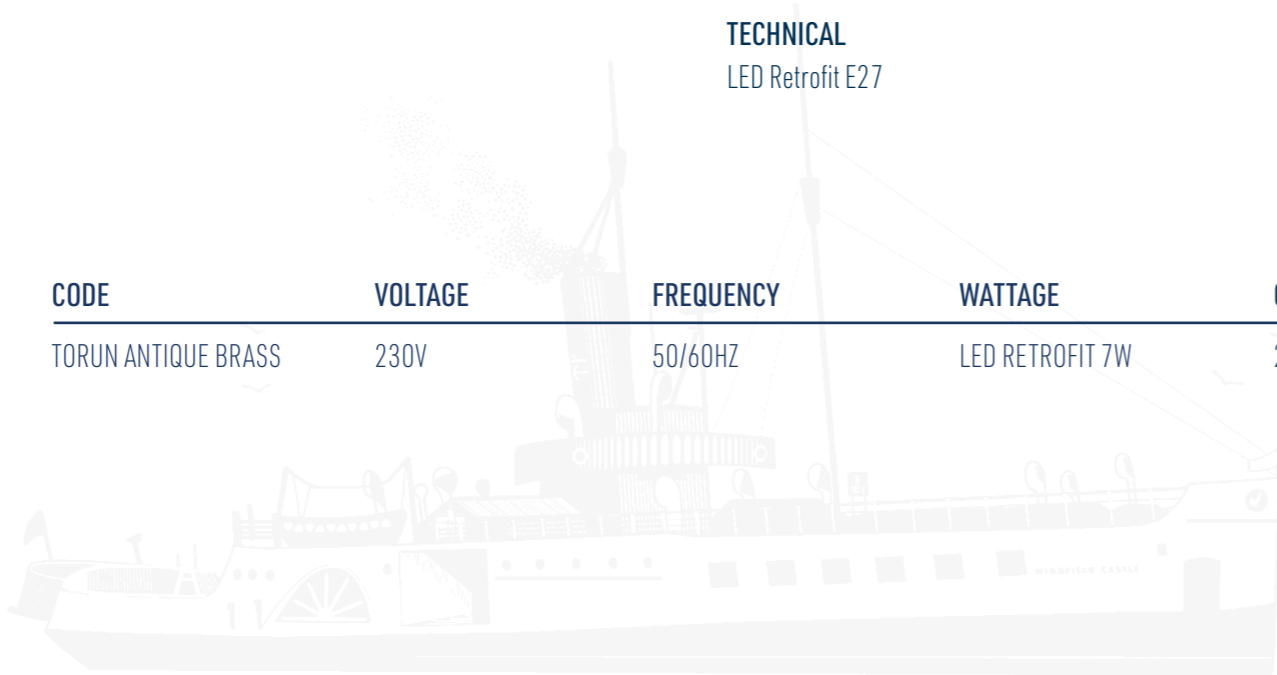
**MOUNTING**

Bolt fixing on request

**TECHNICAL**

LED Retrofit E27

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
TORUN ANTIQUE BRASS	230V	50/60HZ	LED RETROFIT 7W	2700K



FLOOR LAMP IP20

# DECORATIVE LIGHTS

## FLOOR LIGHT

**APPLICATION AREA**

Suites/cabins/public areas

**DESIGN**

According to the rules of international classification societies, VDE and IEC

**HOUSING**

Dark wood; 24 Zoll oval shade, outside silk pebble; Lining silk delph blue

**TECHNICAL**

LED Retrofit E27

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
THEO WENGE	230V	50/60HZ	8W	2700K





WALL LAMP IP20

# DECORATIVE LIGHTS

## WALL LIGHT

APPLICATION AREA

Cabins, public areas

DESIGN

According to the rules of international classification societies, VDE and IEC

OPTIONS

Chrome and brushed nickel on request

HOUSING

Body polished brass or galvanized steel plate; Colour and material of shades variable; With switch

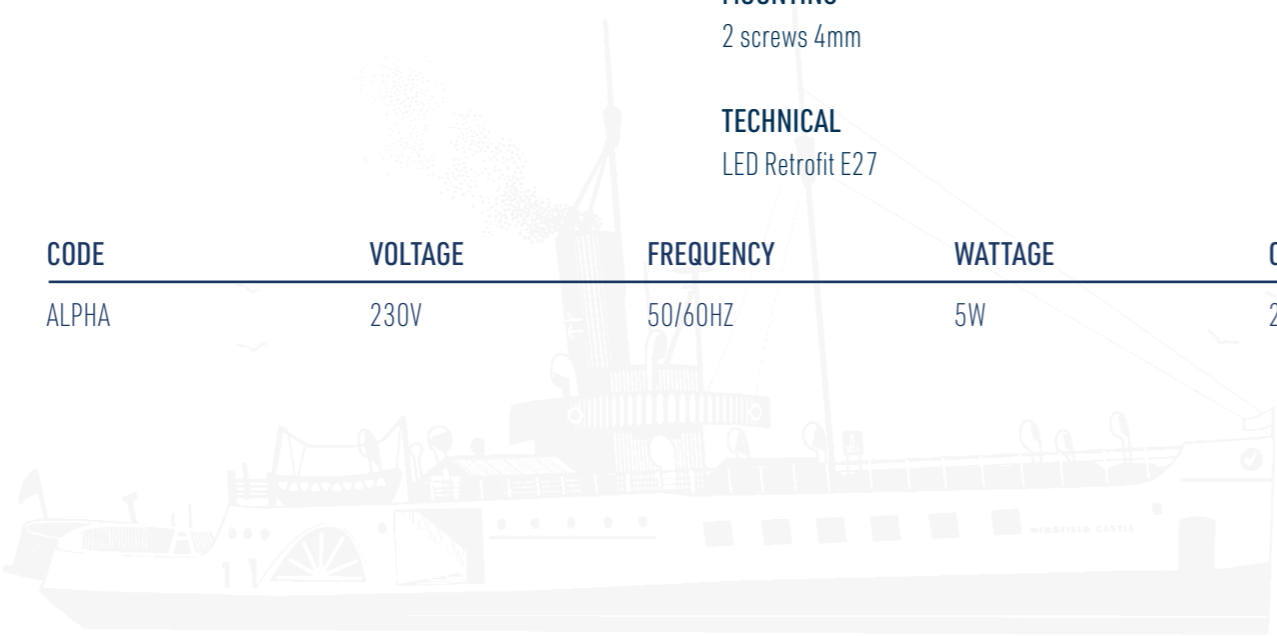
MOUNTING

2 screws 4mm

TECHNICAL

LED Retrofit E27

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
ALPHA	230V	50/60HZ	5W	2700K



WALL LAMP IP44

# DECORATIVE LIGHTS

## WALL LIGHT

APPLICATION AREA

Cabins, public areas

DESIGN

According to the rules of international classification societies, VDE and IEC

OPTIONS

Chrome on request

HOUSING

Body made of polished brass; Opal acrylic diffuser; With switch

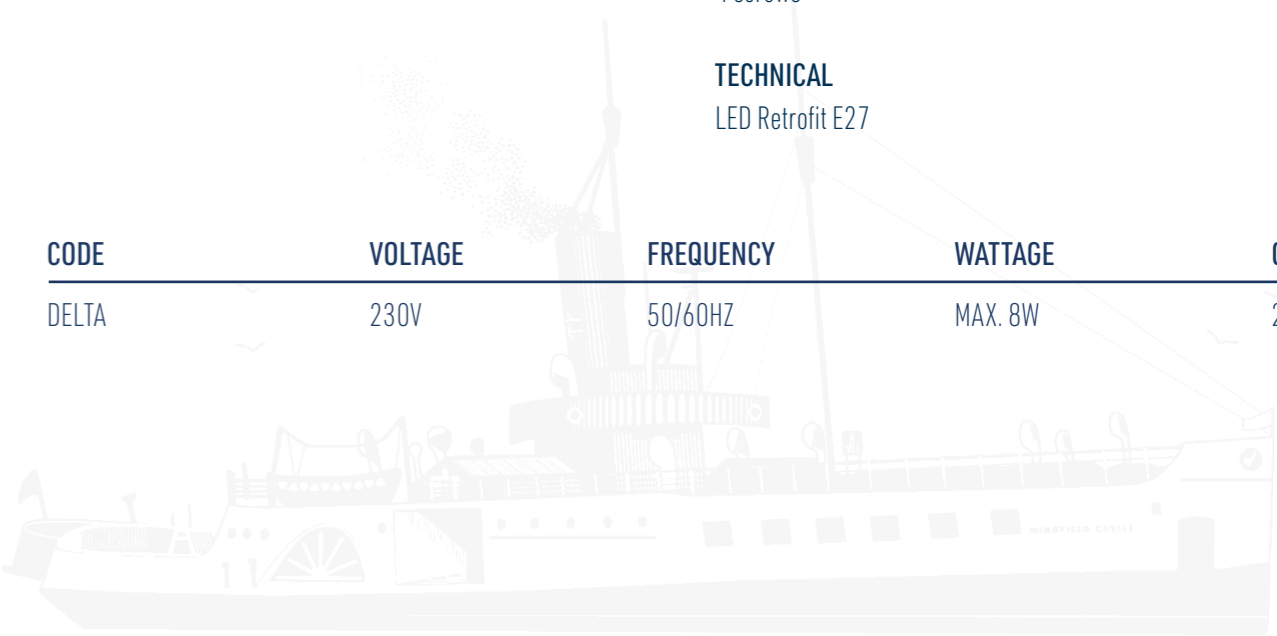
MOUNTING

4 screws

TECHNICAL

LED Retrofit E27

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
DELTA	230V	50/60HZ	MAX. 8W	2700K



# DECORATIVE LIGHTS

## WALL LIGHT



WALL LAMP IP20

**APPLICATION AREA**

Cabins, public areas

**DESIGN**

According to the rules of international classification societies, VDE and IEC

**OPTIONS**

Steel polished

**HOUSING**

Brushed nickel; Shades Baumann dekor Piazzetta rewoven with edging grey; Cover on top and underneath acrylic 3 mm opal white

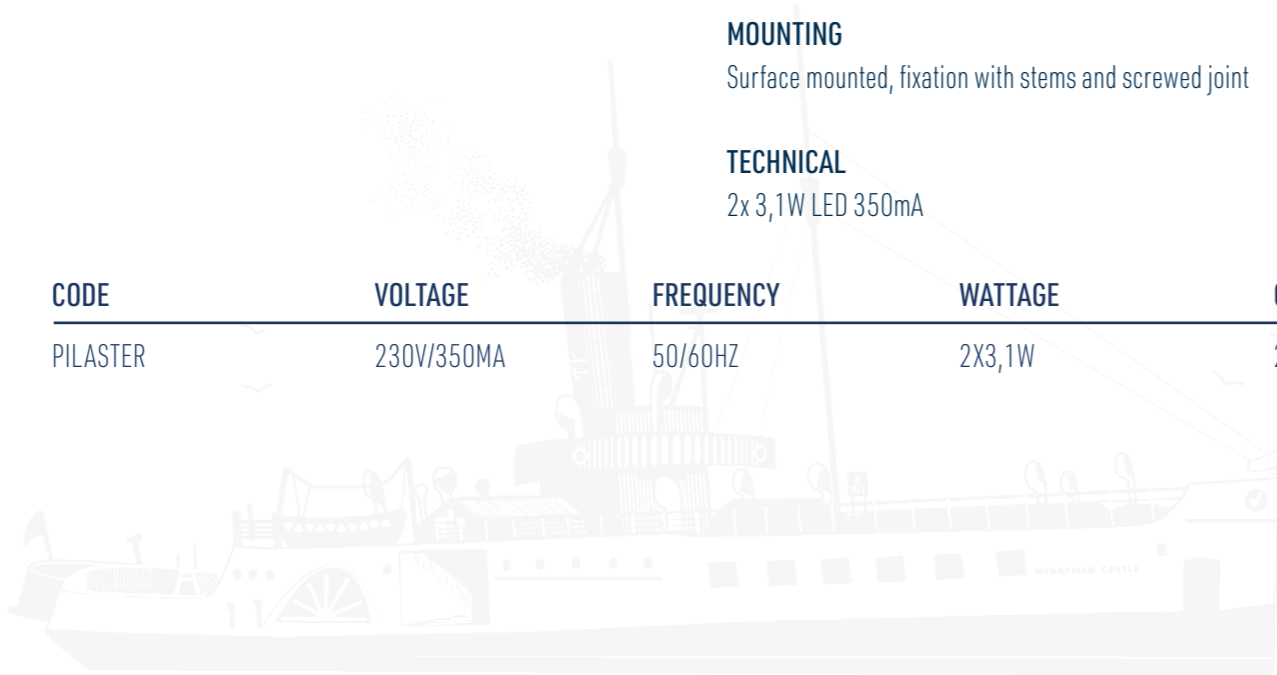
**MOUNTING**

Surface mounted, fixation with stems and screwed joint

**TECHNICAL**

2x 3,1W LED 350mA

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
PILASTER	230V/350MA	50/60HZ	2X3,1W	2700K



# DECORATIVE LIGHTS

## TABLE LIGHT



TABLE LAMP IP20

**APPLICATION AREA**

Cabins, public areas

**HOUSING**

Crystal glass/brass  
Colour cream/brass

**DESIGN**

According to the rules of international classification societies, VDE and IEC

CODE	VOLTAGE	FREQUENCY	WATTAGE	CCT
CONCIERGE	220-240V		LED MAX. 10W	2700K

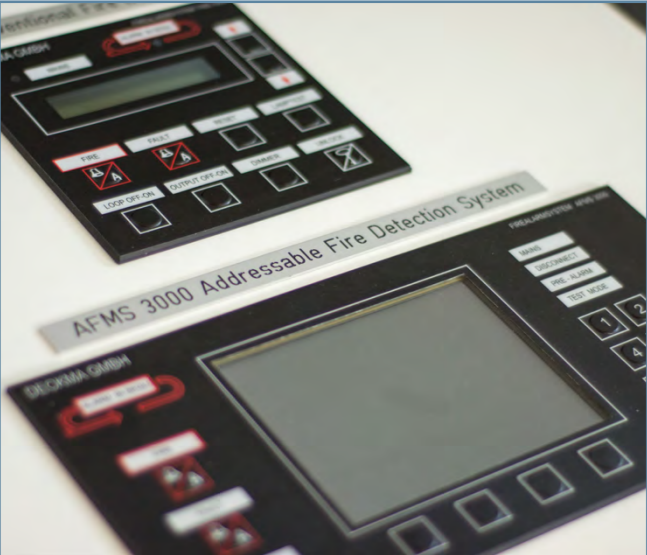




# FIRE ALARM SYSTEM

FOR YOUR  
SAFETY





FIRE DETECTION SYSTEM

# FIRE ALARM SYSTEM

## CONVENTIONAL & ADDRESSABLE

APPLICATION AREA

With a maximum of 32 channels, the FMS 3000 conventional fire detection system are able to monitor around 300 fire detectors installed on a vessel. The addressable AFMS 3000, is extendable for up to eight fire detection loops that they monitor up to around 1,000 fire detectors.

DESIGN

Modular Design for flexible, low space consuming application

OPTIONS

Serial communication for external control; Serial output for VDR recorder

MOUNTING/ HOUSING

Control panel recessed mounting 144mm high;  
Output modules design for flexible installation with IP 54 housing or TS35 DIN Rail mounting for direct installation in bridge panels

APPROVAL

DnV, LRoS and RMRS Type approved

CODE	VOLTAGE	LOOPS	MAX DETECTOR	DIM. CONTROL PANEL
FMS 3000/8	24VDC, 115VAC, 230VAC	8 CONVENTIONAL	80	144 x 144 mm
FMS 3000/16	24VDC, 115VAC, 230VAC	16 CONVENTIONAL	160	144 x 144 mm
FMS 3000/24	24VDC, 115VAC, 230VAC	24 CONVENTIONAL	240	144 x 144 mm
FMS 3000/32	24VDC, 115VAC, 230VAC	32 CONVENTIONAL	320	144 x 144 mm
AFMS 3000/2	24VDC, 115VAC, 230VAC	2 ADDRESSABLE	254	144 x 288 mm
AFMS 3000/4	24VDC, 115VAC, 230VAC	4 ADDRESSABLE	508	144 x 288 mm
AFMS 3000/6	24VDC, 115VAC, 230VAC	6 ADDRESSABLE	762	144 x 288 mm
AFMS 3000/8	24VDC, 115VAC, 230VAC	8 ADDRESSABLE	1016	144 x 288 mm



FIRE DETECTION SYSTEM

# FIRE ALARM SYSTEM

## ADDRESSABLE

APPLICATION AREA

With up to more than 3000 detector/modules is the DE-AFM the latest state of the art fire detection system. It can be used for all kind of ships including cruise ships because the DE-AFM fulfill the SRtP requirement.

DESIGN

Modular flexible design either as a one package centralised system or modular units separated to locate near to the depending fire zone. Up to 10 control panel with 10" display allow to see and control the whole system for many different locations.

OPTIONS

Serial communication for external control; Serial output for VDR recorder; Addressable and conventional detector modules

MOUNTING/ HOUSING

Control Panel recessed mounting 10" display;  
Output modules design for flexible installation with IP 54 housing or TS35 DIN rail mounting for direct installation in bridge panels

APPROVAL

DNV MED/3.51a MED/3.51b (in application);  
LRoS (in application)

CODE	VOLTAGE	LOOPS	MAX DETECTOR	DIM. CONTROL PANEL
DE-AFM	24V DC, 115VAC, 230VAC	2-30	3810	10"

# FIRE ALARM SYSTEM

## CONVENTIONAL DETECTORS



CONVENTIONAL FIRE DETECTORS

APPLICATION AREA

All conventional detectors are usable for smaller ships application. This detectors are connected to the conventional fire detection system FMS 3000 or the conventional part of the DE-AFM.

DESIGN

The conventional detectors listed below all utilize three terminals, which means they can drive a remote indicator. They also operate within a wide voltage range (9.5 - 30V) allowing installation within both fire AND security systems.

OPTIONS

Different colour options available; Recessed mounting base

MOUNTING/ HOUSING

All CDX range detectors can be fitt to the YBN-R6(M) Marine detector base, this will reach IP 24. For the increased IP54 rating the MBB-1 can be used in addition to the YBN-R6(M). Manual call points are available with IP 24 and IP67.

APPROVAL

MED type approval issued by DnV

CODE	DESCRIPTION	VOLTAGE	WEIGHT	FIT INTO BASE
SOC-E3NM	OPTICAL SMOKE DETECTOR	9,5V-30V DC	0,106 KG	YBN-R6M, YBO-R6(N)/(S)
DCD-A/CE3M	RATE OF RISE HEAT SENSOR 60/90°C	9,5V-30V DC	0,106 KG	YBN-R6M, YBO-R6(N)/(S)
DRD-ENM	IR FLAME DETECTOR	9,5V-30V DC	0,106 KG	YBN-R6M, YBO-R6(N)/(S)
SOC-E-IS	OPTICAL SMOKE DETECTOR EX(I)	9,5V-30V DC	0,106 KG	YBN-R4IS
DCD-E-IS	RATE OF RISE HEAT SENSOR 60° EX(I)	9,5V-30V DC	0,106 KG	YBN-R4IS
MCP-1A	MANUAL CALL POINT IP 24	9,5V-30V DC	0,16 KG	N/A
WCP-1A	MANUAL CALL POINT IP 67	9,5V-30V DC	0,25 KG	N/A



ADDRESSABLE FIRE DETECTORS

APPLICATION AREA

The addressable detectors are usable for all ships application. This detectors are connected to the addressable. Fire detection system AFMS 3000 or the new DE-AFM.

DESIGN

The addressable detectors listed below all utilize three terminals, which means they can drive a remote indicator. They also operate within all Hochiki ESP protocol based fire detection systems. All addressable detectors has an inbuilt short circuit isolator.

OPTIONS

Different colour options available; Recessed mounting base

MOUNTING/ HOUSING

All ESP range detectors can be fit to the YBV-R4M marine detector base, this will reach IP 24. For the increased IP54 rating the MBB-1 can be used in addition to the YBV-R4M. Manual call points are available with IP 24 and IP67.

APPROVAL

DnV MED type approval; LRoS type approval

CODE	DESCRIPTION	VOLTAGE	WEIGHT	FIT INTO BASE
ALN-ENM (SCI)	OPTICAL SMOKE DETECTOR	17-41V DC	0,1 KG	YBV-R/4M
ATJ-ENM(SCI)	RATE OF RISE HEAT SENSOR 60°	17-41V DC	0,1 KG	YBV-R/4M
ACC-ENM (SCI)	MULTI SENSOR	17-41V DC	0,1 KG	YBV-R/4M
HCP-E (SCI)	MANUAL CALL POINT IP 24	17-41V DC	0,16 KG	N/A
HCP-W (SCI)	MANUAL CALL POINT IP 67	17-41V DC	0,25 KG	N/A



ADDRESSABLE MODULES

# FIRE ALARM SYSTEM DETECTORS INTERFACES

APPLICATION AREA

The addressable interfaces are usable for all ships application. This interfaces are connected to the addressable fire detection system AFMS 3000 or the new DE-AFM. This modules will interface non ESP detectors into the ESP loop.

DESIGN

This zone monitor designed to allow conventional detectors to be interfaced to Hochiki's ESP analogue addressable system. All addressable zone monitor has an inbuilt short circuit isolator.

OPTIONS

Marine backbox to increase IP rating to IP 65

MOUNTING/ HOUSING

All ESP range zone monitor are supplied in an surface mounting box. A surface backbox is also available to increase the IP rating to IP65.

APPROVAL

DnV MED type approval; LRoS type approval

CODE	DESCRIPTION	VOLTAGE	WEIGHT	FIT INTO BASE
CHQ-SZM2	SINGLE ZONE MONITOR	17-41V DC	0,35 KG	N/A
CHQ-DZM	DOUBLE ZONE MONITOR	17-41V DC	0,35 KG	N/A
CHQ-DZM-IS	DOUBLE ZONE MONITOR (IS)	17-41V DC	0,35 KG	N/A
CHQ-DRC	DUAL RELAY CONTROLLER	17-41V DC	0,35 KG	N/A
CHQ-DIM	DUAL INPUT MONITOR	17-41V DC	0,35 KG	N/A



FIRE DETECTOR TESTING

# FIRE ALARM SYSTEM TEST EQUIPMENT

APPLICATION AREA

Testing devices for all kind of fire detector applications

DESIGN

The compact design for the Solo testing devices will provid the customer a professional tool for testing all different types of detectors.

MATERIALS

Strong plastic and fiberglas material for operation in harsch environment

OPTIONS

Different extension poles are available for the detector testing devices

MOUNTING/ HOUSING

Handheld units for mobile detector testing

APPROVAL

N/A

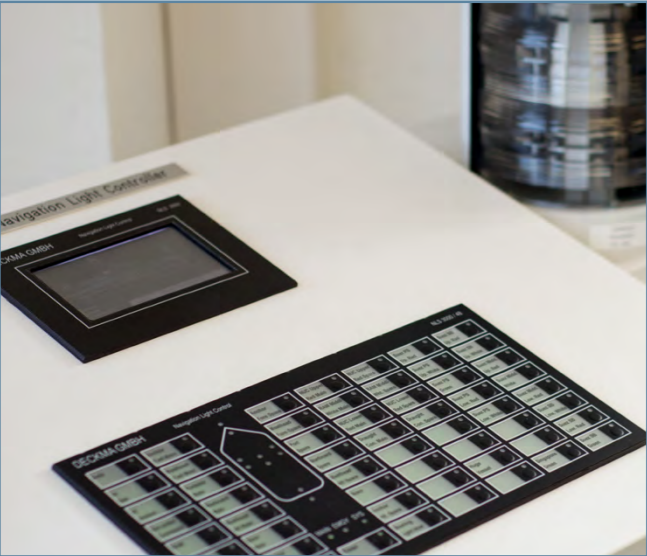
CODE	DESCRIPTION	APPLICATION
SOLO 330	SMOKE DETECTOR TESTER	IN COMBINATION WITH SOLO AEROSOLE FOR SMOKE DETECTORS
SOLO 423/423	CABLE HEAT DETECTOR TESTER	NET DRIVEN HEAT DETECTOR TESTER
SOLO 461	BATTERY HEAT DETECTOR TESTER	BATTERY DRIVEN HEAT DETECTOR TESTER
TESTIFIRE 1001	SMOKE AND HEAT DETECTOR TESTER	BATTERY DRIVEN SMOKE AND HEAT DETECTOR TESTER
SOLO 200	DETECTOR REMOVAL TOOL	REMOVAL TOOL FOR DIFFERENT APPLICATION OF DETECTORS
SOLO POLE	EXTENSION POLE	1,13M (SOLO101) 2,5M (SOLO108) AND 4,5M (SOLO 101)
T-229/4P	UV/IR FLAME DETECTOR TESTER	BATTERY DRIVEN UV/IR FLAME DETECTOR TESTER



# NAVIGATION LIGHT CONTROL

FOR YOUR SAFETY  
RETURN TO  
EVERY HARBOUR





NAVIGATION LIGHT CONTROLLER



# NAVIGATION LIGHT CONTROLLER

## APPLICATION AREA

Control panel for supervision and control of all available navigation- and signal lights; Small ships application up to complex SRtP solutions

## DESIGN

Modular design for flexible, low space consuming application

## OPTIONS

Conventional control panel; Graphic control panel; Serial communication for external control; Serial output for VDR recorder

## MOUNTING/ HOUSING

Control panel recessed mounting 144mm high; Output modules design for flexible installation with IP 54 housing or TS35 DIN rail mounting for direct installation in bridge panels

## APPROVAL

DnV and RMRS Type approved

CODE	VOLTAGE	CHANNELS	APPLICATION	DIM. CONTROL PANEL
NLS 3000/8	24VDC, 115VAC, 230VAC	8	LED AND CONV. LANTERNS	144X112MM
NLS 3000/16	24VDC, 115VAC, 230VAC	16	LED AND CONV. LANTERNS	144X144MM
NLS 3000/24	24VDC, 115VAC, 230VAC	24	LED AND CONV. LANTERNS	144X177MM
NLS 3000/32	24VDC, 115VAC, 230VAC	32	LED AND CONV. LANTERNS	144X209MM
NLS 3000/40	24VDC, 115VAC, 230VAC	40	LED AND CONV. LANTERNS	144X242MM
NLS 3000/48	24VDC, 115VAC, 230VAC	48	LED AND CONV. LANTERNS	144X274MM



NAVIGATION LIGHT LANTERNS



# NAVIGATION LIGHT LANTERNS

## APPLICATION AREA

LED Navigation-and signal lanterns for sea going ships and inland navigation vessels

## DESIGN

Compact LED design

## MATERIALS

Black, hard anodised seawater resistant aluminium, POM base to prevent galvanic corrosion; Borosilicate glass lens epoxy potted LED driver for maximum protection

## OPTIONS

Different frames for partly screening  
Arctic versions with heater

## MOUNTING/ HOUSING

Housing: Seawater resistant aluminium, hard anodised  
Mounting: Bulkhead mounting with 3 or 4 fixing points

## APPROVAL

MED 2014/90/EU; RMRS; USCG

CODE	VOLTAGE	FOR SHIPS LENGTH	DOUBLE LANTERN
DHR 40 LED	24VDC	UP TO 20M	NO
DHR 60 LED	24VDC	FROM 20M TO 50M	YES
DHR 80 LED	24VDC	ABOVE 50M	YES
DHR 73 LED	24VDC, 115VAC, 230VAC	NO LIMIT	NO





NAVIGATION LIGHT LANTERNS



# NAVIGATION LIGHT LANTERNS

APPLICATION AREA

Conventional navigation- and signal lanterns for sea going ships and inland navigation vessels.

DESIGN

Compact Design for conventional bulbs

MATERIALS

Matt black polyamide and polycarbonate, reinforced with fibre-glass. Corrosion free, seawater resistant and non-magnetic polycarbonate fresnel lens, shock resistant and interchangeable.

OPTIONS

Different frames for partly screening

MOUNTING/ HOUSING

Bulkhead mounting with 4 fixing points

APPROVAL

MED 2014/90/EU

CODE	VOLTAGE	FOR SHIPS LENGTH	DOUBLE LANTERN	SOCKET
DHR 55	12VDC, 24VDC	UP TO 50M	NO	BAY15d
DHR 70	24VDC, 115VAC, 230VAC	ABOVE 50M	NO	P28S
DHR 70 DUPLEX	24VDC, 115VAC, 230VAC	ABOVE 50M	YES	P28S



STEERING LIGHT



# NAVIGATION LIGHT LANTERN

APPLICATION AREA

Steering light for distance up to and above 100m

DESIGN

Compact with E27 socket

MATERIALS

Brass hosing with polycarbonate cover

OPTIONS

N/A

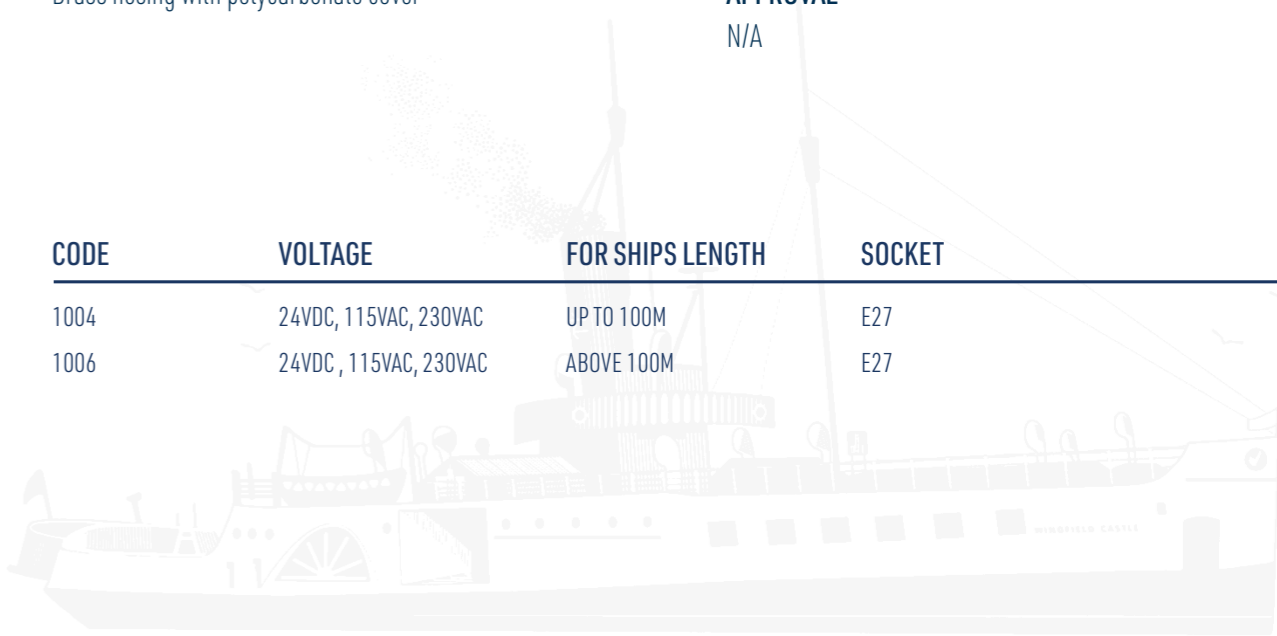
MOUNTING/ HOUSING

Housing: Brass  
Mounting: Bulkhead mounting with 3 fixing points

APPROVAL

N/A

CODE	VOLTAGE	FOR SHIPS LENGTH	SOCKET
1004	24VDC, 115VAC, 230VAC	UP TO 100M	E27
1006	24VDC, 115VAC, 230VAC	ABOVE 100M	E27



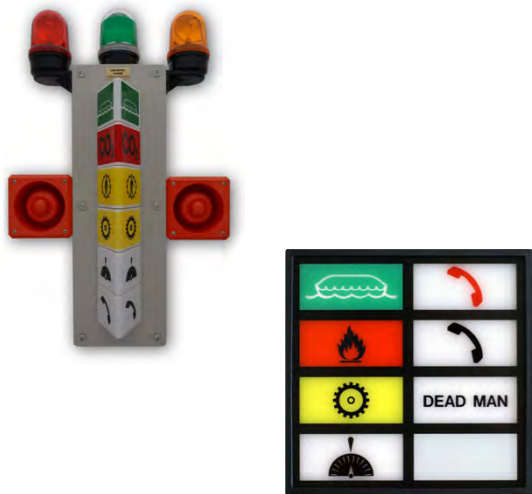


SIGNAL  
LIGHT  
COLUMN



# SIGNAL LIGHT

## SIGNAL LIGHT COLUMNS



SIGNAL LIGHT COLUMN IP 44  
SIGNAL INDICATOR RECESSED IP20

APPLICATION AREA

Signal light columns for use to signalize different kind of IMO signals and customized application for clear indication of all necessary alarm in engine rooms and harsh atmosphere.

DESIGN

Modular, flexible design for different application;  
Low need for space

OPTIONS

Special customized design; Recess mounting in small LED panel design; Different voltage on request

MOUNTING/ HOUSING

Standard columns are using a RAL 7035 colour; Steel housing with galvanised brackets; Recessed mounting panel 144x144mm

APPROVAL

Design according IMO resolution A.1021(26) code on Alerts and Indicators, 2009.

CODE	VOLTAGE	INDICATORS	APPLICATION	DIMENSIONS ESTIMATED
LRS 1-4	24VDC, 230VAC	1-4	LED TRIANGLE INDICATORS	400X200X120MM
LRS 5-7	24VDC, 230VAC	5-7	LED TRIANGLE INDICATORS	600X200X120MM
LRS 8-9	24VDC, 230VAC	8-9	LED TRIANGLE INDICATORS	800X200X120MM
LRS RECESSED	24VDC, 230VAC	1-8	LED PANEL INDICATORS	144X144MM; DEPTH 85MM



SIGNAL LIGHT COLUMN EX IP 66

APPLICATION AREA

Signal light columns for use to signalize different kind of IMO signals and customized application for clear indication of all necessary alarm in ex proof area ´s.

DESIGN

The housings are made of robust aluminum with a clear 7mm borosilicate glass tube.

OPTIONS

Special customized design; Different voltages on request

MOUNTING/ HOUSING

Ex proof standard columns are include 2 M8 standard bracket which are part of the column

APPROVAL

Design according IMO Resolution A.1021(26) code on Alerts and Indicators, 2009; ATEX 2014/34/EU, Explosion proof according EN60079-0, EN60079-1, EN60079-31:  
Usable in ex zone 1, 2, 21 und 22

CODE	VOLTAGE	INDICATORS	APPLICATION	DIMENSIONS ESTIMATED
LRS 1-7	24VDC, 230VAC	1-7	LED TRIANGLE INDICATORS	736X176X190MM



ELECTRONIC MULTI TONE SOUNDER  
100-126 DB(A), IP 66

# SIGNAL LIGHT SOUNDERS

APPLICATION AREA

The A 100 – A 121 sounder series are design for use in harsh application area as well as in accommodation area.

DESIGN

The A 100 – A 121 series is the industry standard for signaling. The high output alarm horn sounder is globally approved for fire, marine and general applications.

MOUNTING/ HOUSING

Standard red colour housing; Sidemounted fixing brackets for M6 Srews; Dual cable entries with stopping plugs

OPTIONS

Featuring 64 alarm tone frequencies and 4 remotely activated stages/channels. Different voltages on request sounder flashing light combinations available.

APPROVAL

MED 2020/1170: MEDB000074G; DNV GL-CG-0339: TAA00002ZU; EAC CU TR 043/2017: B.00291/21; EAC: RU D-GB. GA05.B.12595-20; RMRS Marine: No. 19.00193.278

CODE	VOLTAGE	SOUND LEVEL	TONES	DIMENSIONS
A100	24VDC, 115VAC, 230VAC	110 DB(A)	64 ALARM TONE FREQUENCIES	86X86X86,6MM
A105	24VDC, 115VAC, 230VAC	113 DB(A)	64 ALARM TONE FREQUENCIES	130X129X134MM
A112	24VDC, 115VAC, 230VAC	120 DB(A)	64 ALARM TONE FREQUENCIES	169X169X156MM
A121	24VDC, 115VAC, 230VAC	126 DB(A)	64 ALARM TONE FREQUENCIES	190X190X191MM



XENON STROBE BEACON IP 65  
HALOGEN ROTATING BEACON IP 65

# SIGNAL LIGHT LIGHT BEACONS

APPLICATION AREA

Light beacons for use to signalize different kind of IMO signals and customized application for clear indication of all necessary alarm in engine rooms and harsh atmosphere.

DESIGN

The UV stable, fire retardant polycarbonate enclosure and coloured lens ensure the B300STR/RTH is robust enough for the toughest of applications.

OPTIONS

Different lens colours available; Top or angle bracket mounting; Different voltages on request

MOUNTING/ HOUSING

The surface mount base can also be supplied with a right angle bracket or with a pole mounted assembly.

APPROVAL

Design according IMO Resolution A.1021(26) code on Alerts and Indicators, 2009

CODE	VOLTAGE	COLOUR	INTENSITY	DIMENSIONS
B300STR...B/G	24VDC, 115VAC, 230VAC	GREEN-WHITE	5 W/S	150X100MM
B300STR...B/A	24VDC, 115VAC, 230VAC	AMBER	5 W/S	150X100MM
B300STR...B/R	24VDC, 115VAC, 230VAC	RED	5 W/S	150X100MM
B300RTH...B/G	24VDC, 115VAC, 230VAC	GREEN-WHITE	821 CD	150X100MM
B300RTH...B/A	24VDC, 115VAC, 230VAC	AMBER	821 CD	150X100MM
B300RTH...B/R	24VDC, 115VAC, 230VAC	RED	821 CD	150X100MM



GENERAL ALARM UNIT

# SIGNAL LIGHT GENERAL ALARM UNIT

APPLICATION AREA

General alarm signal generator for creating the IMO general alarm and abandon ship signals

DESIGN

Slim recess mounting alarm unit fit into a instrument panel cut out

OPTIONS

Surface mounting with separate cabinet  
Different voltages on request

MOUNTING/ HOUSING

Recess mounting 144x72mm with 2 instrument mounting clips for easy installation

APPROVAL

DNV type approval  
LRoS type approval

CODE	VOLTAGE	DIMENSIONS	CUT OUT
GAS 3000	24VDC	72X144X100MM	66X138M



EMERGENCY ENGINE TELEGRAPH

# SIGNAL LIGHT EMERGENCY TELEGRAPH

APPLICATION AREA

The system is perfectly suitable for high demanding customers that want to spend little money and time on laying cables aboard vessels.

DESIGN

The emergency telegraph is fully operational with only 2 wires.

OPTIONS

Surface mounting with separate cabinet  
Optional NMEA 0183 output for VDR

MOUNTING/ HOUSING

Recess mounting panel 144x144mm  
Optional mounted in a steel housing RAL 7035 colour

APPROVAL

LRoS Type approval

CODE	VOLTAGE	APPLICATION	SERIAL-COM.	DIMENSIONS
TG1	24VDC	FIXED PITCH PROPELLER	NO	144X144X75MM
TG1(CAB)	24VDC	FIXED PITCH PROPELLER	NO	250X250X155MM
TG1-V	24VDC	FIXED PITCH PROPELLER	YES	144X144X75MM
TG1A	24VDC	CONTROLABLE PITCH PROPELLER	NO	144X144X75MM
TG1A(CAB)	24VDC	CONTROLABLE PITCH PROPELLER	NO	250X250X155MM
TG1A-V	24VDC	CONTROLABLE PITCH PROPELLER	YES	144X144X75MM



NEXTCORR  
MGPS  
AND ICCP  
SYSTEMS





ICCP CONTROL PANEL

# ICCP CONTROL PANEL

Impressed Current Cathodic Protection (ICCP) systems consist of one or more reference electrodes and several ICCP anodes which are all connected to a power unit. The reference cells measure the underwater electrical protection potential and based on this data, the power unit automatically regulates the required output to the anodes.

### TECHNICAL DESCRIPTION

**POWER SUPPLY**

380/400/440V 3 PH 50/60Hz

**PROTECTION CLASS**

IP44

**ANODES CIRCUITS**

2 Anodes, 4 Anodes

**VARIOUS**

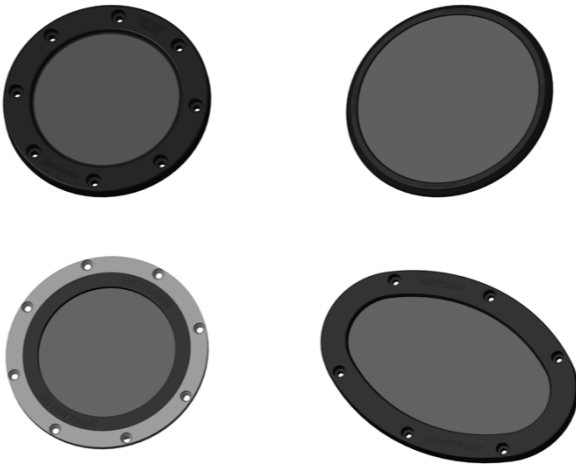
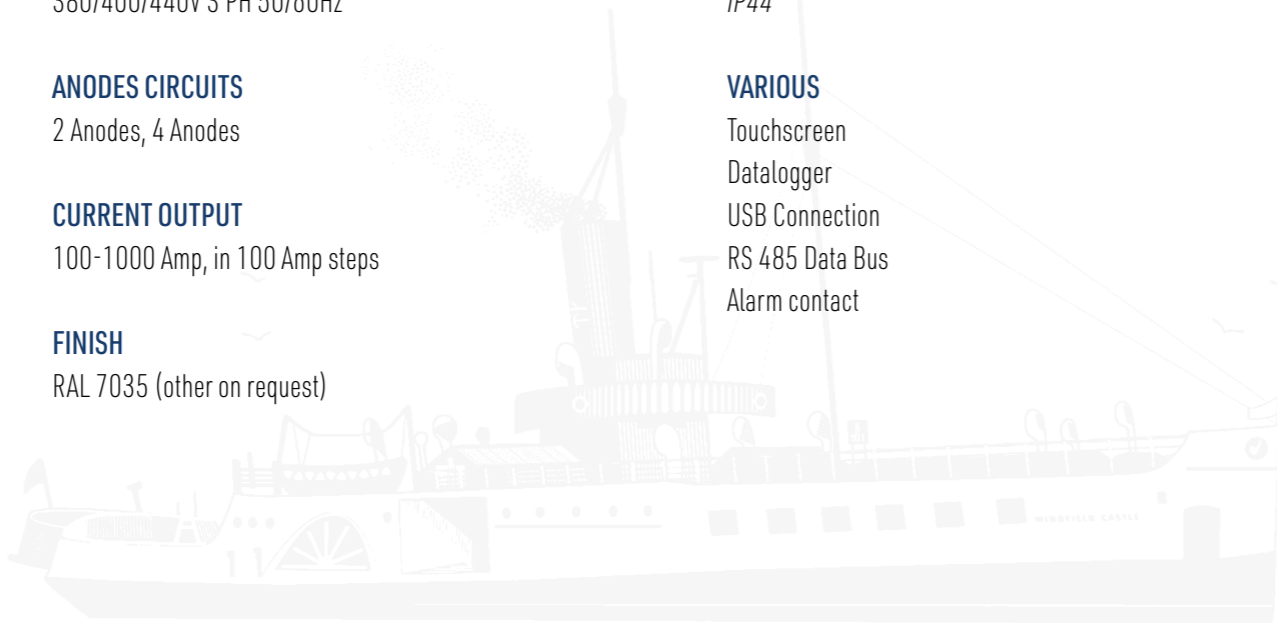
- Touchscreen
- Datalogger
- USB Connection
- RS 485 Data Bus
- Alarm contact

**CURRENT OUTPUT**

100-1000 Amp, in 100 Amp steps

**FINISH**

RAL 7035 (other on request)



RECESSED MOUNTED ICCP ANODE

# RECESSED MOUNTED ICCP ANODE

ICCP anodes are connected to an external power source. This provides the current that leads to the electrochemical reaction required for cathodic protection to take place. The size and shape of ICCP anodes depends on the surface that they are utilized to protect, from large vessels to submerged metal structures.

### TECHNICAL DESCRIPTION

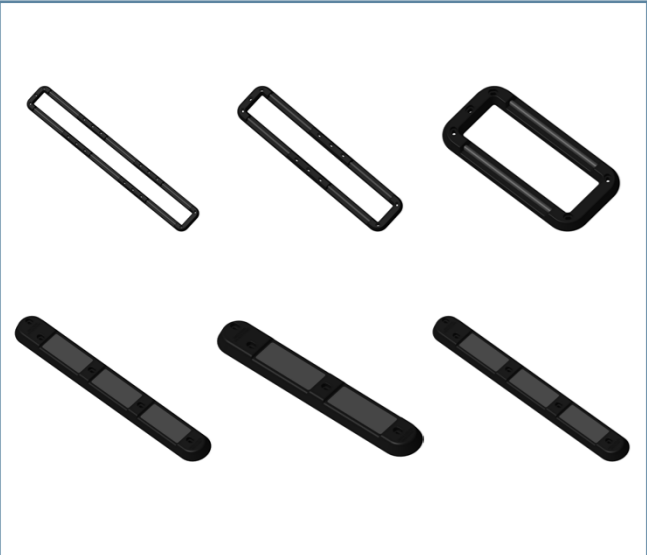
**AVAILABLE TYPES**

- Small Elliptical
- Large Elliptical
- Circular
- Diver Changeable

**CURRENT OUTPUT**

25 A - 225 A





SURFACE MOUNTED ICCP ANODE

# SURFACE MOUNTED ICCP ANODE

For high current demand requirements (usually at the aft of larger vessels), NextCorr offers a variety of high output, small footprint surface mounted anodes.

TECHNICAL DESCRIPTION

AVAILABLE TYPES

- Small Linear Loop
- Medium Linear Loop
- Large Linear Loop

CURRENT OUTPUT

100 A – 300 A

AVAILABLE TYPES

- Small Stripe
- Medium Stripe
- Large Stripe



REFERENCE CELL

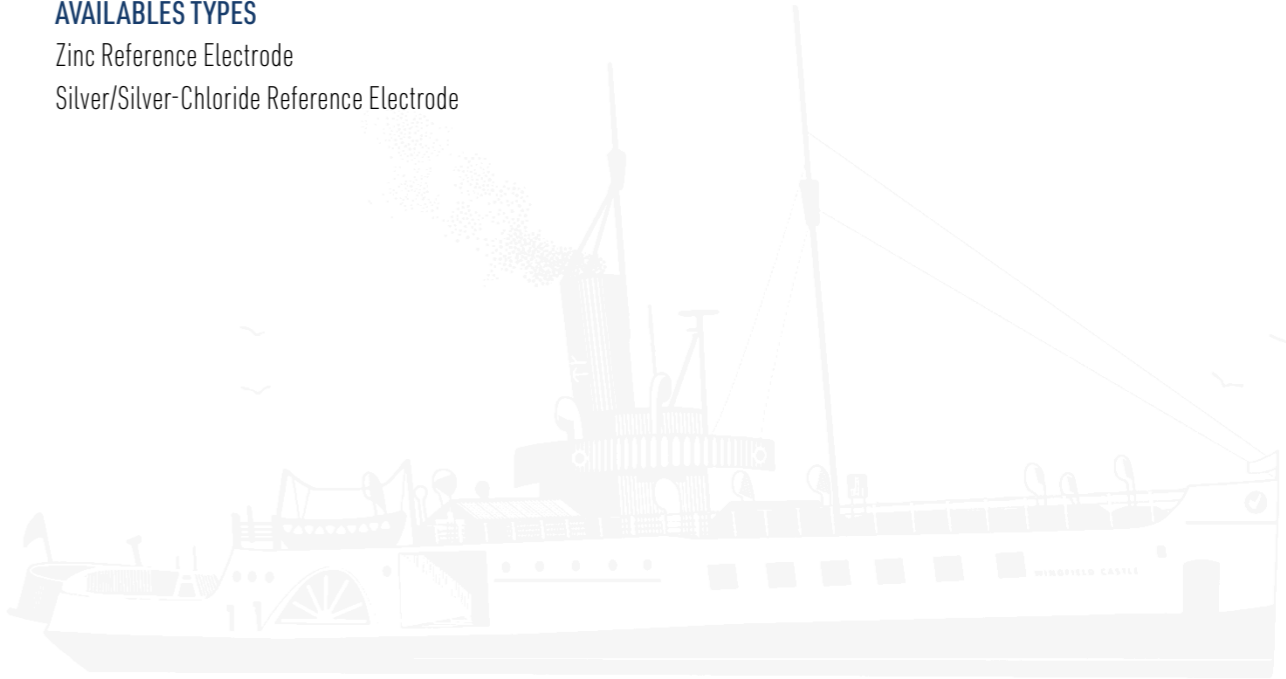
# REFERENCE CELL

The reference cells measure the underwater electrical protection potential and based on this data, the power unit regulates the required output to the anodes.

TECHNICAL DESCRIPTION

AVAILABLES TYPES

- Zinc Reference Electrode
- Silver/Silver-Chloride Reference Electrode





SLIPRING

# SLIPRING

The NextCorr shaft earthing system comprises of a high quality copper slipring with a high grade/high electrical conductivity silver track inlay. For ease of installation, the slipring is supplied in two preformed half shells and two banding clamps.

## TECHNICAL DESCRIPTION

**SLIPRING**  
**AVAILABLE TYPES**  
from 70-949 mm diameter



BRUSH HOLDER & SILVER GRAPHITE BRUSH

# BRUSH HOLDER & SILVER GRAPHITE BRUSH

Our high quality silver graphite brushes reduce the resistance between slipring (shaft) and vessels hull. The single- and double brush holders are sturdily designed and vibration-resistant.

## TECHNICAL DESCRIPTION

**SHAFT BRUSH HOLDER**  
**AVAILABLES TYPES**  
Shaft Brush Holder Single  
Shaft Brush Houlder Double

**DESCRIPTION**  
*Conductor flexible*  
Diameter 5 mm, 65 mm +/- long tinned copper

**BRUSHES**  
**AVAILABLES TYPES**  
Silver Graphite Brush Small AG 80  
Silver Graphite Brush Large AG80





MILLIVOLT METER

# MILLIVOLT METER

For monitoring/display of the shaft earthing system an mV Meter may be installed to check the performance of the grounding system.

## TECHNICAL DESCRIPTION

### AVAILABLES TYPES

Shaft Earthing Meter H/L Scale Single Shaft

Shaft Earthing Meter H/L Scale Double Shaft

Shaft Earthing Meter H/L Scale Single Shaft Flat Bar adapter Fixing

Shaft Earthing Meter H/L Scale Double Shaft Flat Bar adapter Fixing

### AVAILABLES TYPES

*Values*

200 mm x 200 mm x 120 mm

*Material*

Steel 1,25 mm

*Finish*

RAL 7035 (other on request)

*Weight*

3,0 kg

Cable Gland for cable diameter 6-13 mm



EARTH BONDING CABLE

# EARTH BONDING CABLE

Our grounding cables are of extremely high quality for a long life in the most difficult conditions.

## TECHNICAL DESCRIPTION

### AVAILABLES TYPES

Earth Bonding Cable

### DESCRIPTION

*Design*

ES 50525-3-41 resp. VDE 0285-525-3-41

*Cross section*

25mm², 35mm², 50mm², 70mm²,...

*Conductor*

fine wire strands of non-porous tinned copper

*Min. bending radius*

occasionally flexing: 6 x outer diameter (60,6mm)

Fixed installation: 4 x outer diameter ( 40,4mm)

*Temperature range*

Occasionally flexing: -35°C up to 10°C

Fixed installation: -55°C up to +125°C

*Flammability*

Flame retardent acc. to IEC 60332-1-2

*Halogen free*

acc. to IEC 60754-1, EN 60754-1

*Corrosivity of gases*

acc. to IEC 60754-2, EN 60754-2

*Smoke density*

acc. to IEC 61034-2

*UV resisittance*

acc. to EN ISO 4892-2-2013, method A

(change of colour allowed)

*Oil resistance*

acc. to DIN EN 50290-2-22 resp. VDE 0819-102, TM54

*Approved V*

DE

*Certified*

DNV/GL



MGPS CONTROL PANEL

# MGPS CONTROL PANEL

NextCorr's MGPS/ICAF system incorporates copper anodes connected to a compact and user friendly control unit. A current is impressed on to the copper anodes which releases a small amount of copper ions into the flow of water through the vessel's sea chests and seawater piping system. This creates an environment which prevents the settlement and development of macro fouling. Depending on the material of the pipework system, aluminium or ferrous anodes are also installed. These ions not only prolong the half life of the copper ions but also aid in the mitigation of corrosion (particularly erosion corrosion) within the vessel's pipework system.

### TECHNICAL DESCRIPTION

**POWER SUPPLY**

110-220 V AC

**ANODE CURRENT**

2 Amp, 4 Amp, 6 Amp

**ANODES CIRCUITS**

up to 16 ways

**PROTECTION CLASS**

IP44

**FINISH**

RAL 7035 (other on request)



MGPS/ICAF ANODE

# MGPS/ICAF ANODE

NextCorr design and manufacture a variety of anti-fouling anodes able to be installed in sea chests, strainers or box coolers. Differing designs on dimensions and mounting arrangements are available to meet customer's specific requirements.

### TECHNICAL DESCRIPTION

**AVAILABLES TYPES**

- CU – Copper Prevents forms of fouling from settling
- FE – Iron Corrosion Suppression for cupro-nickel pipework
- AL – Aluminium Inhibit corrosion in steel pipework

**STANDARD LENGHTS**

100mm – 950mm

**AVAILABLES SIZES**

Standard Diameters 40mm, 50mm, 82,5mm, 90mm, 100mm, 120mm, 140mm, 160mm

**MOOUNTING OPTIONS**

- Sea Chest Mounted*  
Weld-In-Sleeves, Flange Sleeves  
(various flange dimensions available)
- Strainer Mounted*  
Weld-In-Sleeves, Flange Sleeves, Nylon Sleeves
- Electrolysis Tanks*  
Weld-In-Sleeves, Flange Sleeves, Nylon Sleeves
- Pipe Installation*  
Flange Sleeves, Pipe-Upstand-Sleeves

# OUR OFFICES

Our three locations in Rosengarten/Hamburg, Rostock and Bremerhaven enable us to provide a full range of services at short notice on Germany's coasts and around the world. Our head office in Rosengarten offers our customers all the benefits of modern development and production facilities.

The high storage capacity of our 1300 m<sup>2</sup> of warehousing space guarantees short delivery times. The modern project development and lighting design office is located at our Rostock facility. Our technical specialists for NextCorr AF and ICCP products are located in Bremerhaven.

**We look forward to receive your call!**

*Subject to technical changes, no liability for information*



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**DECKMA GmbH**

...high performance for the sea!

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