**Code 4529
RUDDER
SENSONR**

**Code 1643
VERTICAL LEVEL
SENSOR**
Compatible with EU type 10/189 Ω. Using an adaptor it can be connected to American type 240/30Ω as well.

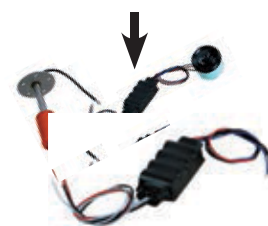**VERTICAL LEVEL
SENSOR**
Electrical and stainless steel. Vertical application Compatible with EU type 10/189 Ω. Using an adaptor it can be connected to American type 240/30Ω as well.

**KUS WATER
TEMPERATURE SENSOR**
Diameter 6 mm.

**Code 1648
UNIVERSAL
PILOT PIPE**
For speedometer tube.

Code	A mm	B mm	C mm	D mm
4528	8	52	22	13

Code	Length cm
1645 - 17	17
1645 - 20	20
1645 - 22	22
1645 - 25	25
1645 - 30	30
1645 - 33	33
1645 - 40	40
1645 - 45	45
1645 - 50	50
1645 - 55	55

**PRESSURE SENSOR KUS
WHITE ZINC PLATED**

Code	Thread	Measuring Range (Bar)	Ø mm
3160	M10 x 1	0 - 10	40

**Code 4453
FUEL LEVEL SENSOR -
FUEL LEVEL GAUGE ADAP-
TOR**
It is used to make compatible with each other different impedances. For example, it is able to connect a 10/180Ω (European type) level sensor with a 240/30Ω (American type) fuel level gauge.

ULTRASONIC WINDMETER
Uses patented ultrasonic technology to read current wind speed, maximum headwind and tailwind, 5-second average and running average. Responds rapidly. Also measures temperature and wind chill. Easy to use, easy to read thanks to its large lcd panel, simple to function and waterproof. Comes with adjustable wrist lanyard, velcro strap with mounting bracket and standard tripod mounting thread. Operates with a 3-volt lithium battery, lasting up to 600 hours.

Code	Dimensions cm	Weight gr
4405	L 12,6 x W 7,6 x H 1,9	100

CLINOMETER
Plastic with two scales.

Code	Dimensions mm
3672 - 1	L 100 x W 83

CLINOMETER
Made of brass and plastic.

Code	Dimensions mm
1649	L140x W105xH66

SPEEDOMETER TUBE

Code	Ext. Diam. mm	Int. Diam. mm
1642	7	3

NAVIGATION AND ELECTRONIC EQUIPMENT

WHITE SPEAKERS (pair)
Resistant to corrosion, suitable for installation in boat interior or outdoor.

Code	Ø mm	Depth mm	Watt	Ohm	Frequency
3062 - 2	165	75	160	4	65 Hz - 20 Khz

WHITE SPEAKERS (pair)
Resistant to corrosion, suitable for installation in boat interior or outdoor.

Code	Dimensions mm	Watt	Ohm	Frequency
3062 - 4	Ø 146 mm x Depth 60 mm	120	4	80 Hz - 15 Khz

WATERPROOF MP3 PLAYER WITH USB
For marine use. With integrated radio, LCD high definition screen with white light, activate protection and rubber buttons.

Code	Outputs	Dimensions cm
1252	2x7W	L 13.5 x W 10.5 x H 9

NON-MAGNETIC STEREO LOUDSPEAKERS
With swiveling bracket. Made of UV-resistant thermoplastic material with stainless steel bracket. They are waterproof therefore are suitable for indoor and outdoor use.

Code	Type	Dimensions mm	Watt	Hz	Ohms	Color
3169	Double cone	L 125 x H 118 x D 105	50	100-18.000	4	White

RADIO/CD FRONT COVER
Universal for all radios.
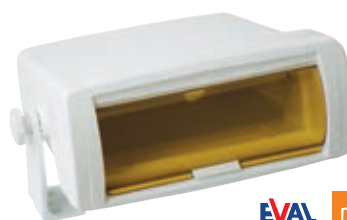Waterproof. Color: white.

Code	Dimensions mm
2630	230 x 86

Code 3281
RADIO/CD COVER
Color: white. Dimensions :108mm x 225mm

RADIO/CD-PLAYER COVER EVAL
Made of ABS plastic with UV resistance. Stylish & ergonomic design with semi-transparent plastic front cover with practical one-touch opening system for easy operation.

Code	Dimensions mm	Color
2629	L245 x H110 x Depth 90	White

RADIO/CD-PLAYER COVER WITH BOX EVAL
Made of ABS plastic with UV resistance. Stylish & ergonomic design with semi-transparent plastic front cover with practical one-touch opening system for easy operation. Universal mounting for outdoor areas.

Code	Dimensions mm	Color
2638	L245 x H110 x Depth 230	White

ELECTRICAL EQUIPMENT

ALL EVAL NAVIGATION LIGHTS ARE PACKED IN BLISTER
STARBOARD, PORT, STERN AND MASTHEAD LIGHTS (boats up to 12 m)
Starboard, port, stern and masthead lights are available in a big variety of shapes and sizes suitable for vessels up to 12m. They are made of polycarbonate and polyamide glass fibre reinforced material and they are approved in accordance to COLREG72 ''International Regulation for the avoidance of collision at sea''.
They include a 12V – 10W. NAVIGATION LIGHTS CAN BE COMBINED WITH THE LED BULBS IN PAGE 281
Approved by: RINA (Royal Institution of Naval Architects), HMMM Hellenic Ministry of Merchant Marine

NAVIGATION LIGHTS APPROVED FOR BOATS UP TO 12m

STARBOARD LIGHT, GREEN
Spare glass, code 50177-G.
12V/10W, 112.5°

Code
784 - BLACK
784 - WHITE
784 - CHROME

PORT LIGHT, RED
Spare glass, code 50177-R.
12V/10W, 112.5°

Code
777 - BLACK
777 - WHITE
777- CHROME

STERN LIGHT, WHITE
Spare glass, code 50177-W
12V/10W, 135°

Code
785 - BLACK
785 - WHITE
785 - CHROME

MASTHEAD LIGHT, WHITE
Spare glass, code 50177-W
12V/10W, 225°

Code
918 - BLACK
918 - WHITE
918 - CHROME

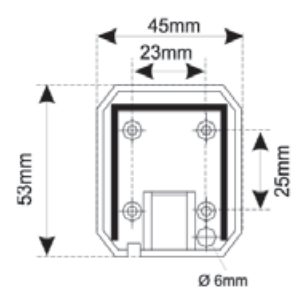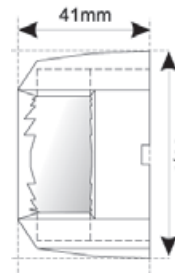Dimensions for codes: 784,777,785,918

Code 4476 - 3
Led for codes 784*, 777*, 785*, 918*

▶ For codes 777, 784, 785 & 918 is offered waterproof flange-sticker that works as a guide for the holes.

41mm
63,5mm

45mm
23mm
53mm
25mm
Ø 6mm

STARBOARD LIGHT, GREEN
Spare glass code PÁ1310-3.
12V/10W, 112.5°

Code	Διαστ.
1310 - BLACK	36x69,5mm
1310 - WHITE	

PORT LIGHT, RED
Spare glass code PÁ1313-1.
12V/10W, 112.5°

Code	Διαστ.
1313 - BLACK	36x69,5mm
1313 - WHITE	

STERN LIGHT, WHITE
Spare glass code PÁ1311-1.
12V/10W, 135°

Code	Διαστ.
1311 - BLACK	36x69,5mm
1311 - WHITE	

MASTHEAD LIGHT, WHITE
Spare glass code PÁ1311-1.
12V/10W, 225°

Code	Διαστ.
1312 - BLACK	36x69,5mm
1312 - WHITE	

Code 4476 - 4
Led for codes 1310*,1313*,1311*,1312*

59mm
71mm

36mm
Ø 4mm
69,5mm
38mm
28mm
Ø 5mm
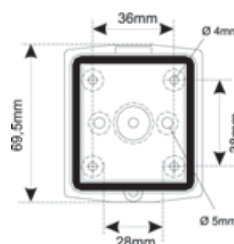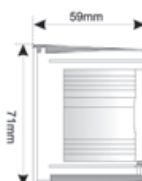
Dimensions for codes: 1310, 1313, 1311, 1312.

ELECTRICAL EQUIPMENT

NAVIGATION LIGHTS APPROVED FOR BOATS UP TO 12m

STARBOARD LIGHT, GREEN
Spare glass, code PÁ3010.
12V/10W, 112.5°

Code
3010 - BLACK
3010 - WHITE
3010 - CHROME

PORT LIGHT, RED
Spare glass,
code PÁ3011.12V/10W, 112.5

Code
3011 - BLACK
3011 - WHITE
3011 - CHROME

STERN LIGHT, WHITE
Spare glass,
code PÁ3012.12V/10W, 135°

Code
3012 - BLACK
3012 - WHITE
3012 - CHROME

MASTHEAD LIGHT, WHITE
Spare glass,code PÁ3012.
12V/10W, 225°

Code
3013 - BLACK
3013 - WHITE
3013 - CHROME

3206-Black

3206-White
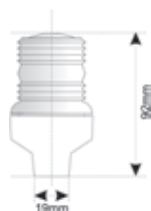
ALL- AROUND LIGHT
With white glass, for pole Ø 19 mm,
12V/10W, 360°. Spare glass code
PÁ3206-2.

Code
3206 - BLACK
3206 - WHITE
3206 - CHROME

Code 4476 - 4
Led for codes 3010*,3011*,3012*,3013*

DIMENSIONS OF CODES :
3010,3011,3012,3013

100mm
35mm
35mm
88mm
Ø 4mm
50mm
88mm
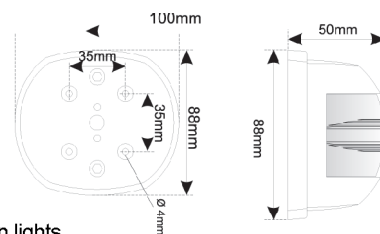
▶ All navigation lights
are packed in blister

1307-White

1308-White

1309-White

90 mm
63mm
Ø 5mm
Ø 47mm
120°
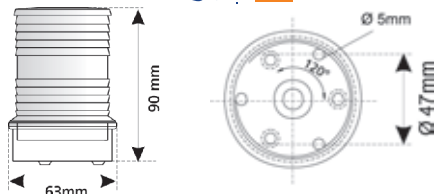
ALL- AROUND LIGHT
With white, red and green glass, 12V/10W, 360°.
Available the spare glass, code 1323, 1323-red

Code	Glass color	Base color
1307 - BLACK	RED	BLACK
1307 - WHITE	RED	WHITE
1308 - BLACK	WHITE	BLACK
1308 - WHITE	WHITE	WHITE
1309 - BLACK	GREEN	BLACK
1309 - WHITE	GREEN	WHITE

3205 - Black

3216 - Black

3215 - Black

3205 -White

3216 - White

3215 - White

70mm
53mm
Ø 5mm
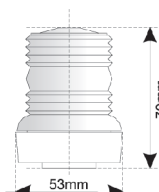Ø 35mm

ALL- AROUND LIGHT
With white, red and green glass, 12V/10W, 360°.
Spare glasses code PÁ3206-2, PÁ3216-1, PÁ3215-1
accordingly.

Code	Glass color	Base color
3205 - BLACK	WHITE	BLACK
3205 - WHITE	WHITE	WHITE
3215 - BLACK	GREEN	BLACK
3215 - WHITE	GREEN	WHITE
3216 - BLACK	RED	BLACK
3216 - WHITE	RED	WHITE

SIDE NAVIGATION LIGHTS FOR BOATS UP TO 12m

LED SIDE MOUNT NAVIGATION LIGHTS
Suitable for boats up to 12 m.
With white nylon cover and base. It's small size, of 6,6 cm diameter, makes it suitable for fitting in small areas.

Code	Type	Diameter mm	Height mm
3014 - 7	12V 5W	66	43
3014 - 8	12V LED	66	43

NAVIGATION LIGHTS
Suitable for boats up to 12 m.
With stainless steel cover and nylon base.

Code	Type	Dimensions mm
3014 - 5	12V 5W	L 76,2 x W 39 x H 53,3
3014 - 6	12V LED	

NAVIGATION LIGHTS
Suitable for boats up to 12 m, with stainless steel cover. Available in pair RED-GREEN. Available spare lamp with code PA 4357.

Code	Type	Dimensions mm
4357	12V/ 10W	ø71 x H 41

NAVIGATION LIGHTS
Suitable for boats up to 12 m.
With white nylon cover and base.

Code	Type	Dimensions mm
3014 - 3	12V 5W	L 76,2 x W 39 x H 53,3
3014 - 4	12V LED	

NAVIGATION LIGHTS
Suitable for boats up to 12m.
With stainless steel cover and nylon base.

Code	Type	Dimensions mm
3014 - 1	12V 5W	L 88,9 x W 55,9 x H 35,6
3014 - 2	12V 100mA LED	

NAVIGATION SIDE LIGHTS
Available in pair: red – green
with white plastic cover, 12V/10W

Code	Dimensions cm
4250	L 9 cm x W 5,7 cm x H 4 cm

4665-PL

4665

![attwood]
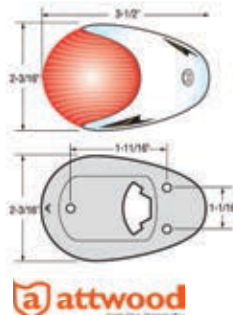
SIDE MOUNT NAVIGATION LIGHTS
Available in pair red-green with shell either stainless steel or plastic, 112,5° - Vertical mounting 12V/10W .

Code	Dimensions cm	Shell
4665	L 8,89 x W 5,55	Stainless Steel
4665-PL		White Plastic

NAVIGATION SIDE LIGHTS
Available in pair: red - green with white cover, 12V/10W

Code	Dimensions cm
3577	L 13 x W 6 x H 5

SIDE NAVIGATION LIGHTS FOR BOATS UP TO 12M

**NAVIGATION STAINLESS
STEEL SIDE LIGHTS 12V/3W**
Available in pair: red - green.

Code	Dimensions cm
1335	L 10 x W 5,5

**NAVIGATION LIGHTS
WITH BATTERIES**
Waterproof with mirror and special mounting base. They operate with one alkaline battery LR20 Size D.
Duration of continuous use approx.
9 hours.

Code	Height cm	Diameter cm
1344 - GREEN		
1344 - RED		
1344 - WHITE	14	4,5
1344 - BLISTER PACKAGE OF ALL 3 LIGHTS GREEN-RED-WHITE		

**NAVIGATION STAINLESS
STEEL SIDE LIGHTS 12V**
Flush mounted.
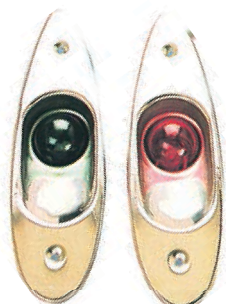Available in pair: red - green. 12V-5W

Code	Dimensions cm
1333	L 19 x W 6

FLUSH MOUNT SIDE LIGHTS
INOX 316
Available in pair : red - green It can also be combined with a LED lamp with code 4476-1. 12V-5W

Code	Dimensions cm	Lamp
1333 - 1	L 15 x W 6	Standard

NAVIGATION SIDE LIGHTS
Flush mounted. Available in pair: red - green, 12V-5W. Available with a waterproof flange-sticker that works as a guide for the holes.

Code	Dimensions cm
1336 - BLACK	
1336 - WHITE	L 19,5 x W 6
1336 - CHROME	

SIDE NAVIGATION LIGHTS LED INOX
LED side navigation lights, waterproof IP 67, flush mount, certified according to IMO COLREG 72, USCG and ABYC A-16. Available in pair red – green. The screws are included.

Code	Type	Volt	Watt	Visibility	Cut out dimensions mm
1553	LED Flush mount	12V	Red 1,5W	2N.M.	44 x84
			Green 0,9W		

NEW
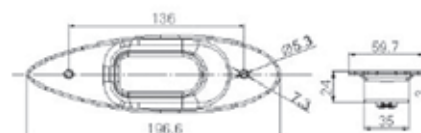
STERN NAVIGATION LIGHTS

STAINLESS STEEL STERN LIGHT
Flush mount, 12V/10W.

Code	Dimensions cm
1338	L 13 x W 8,5 x 4 (Depth)

STAINLESS STEEL STERN LIGHT
Flush mount, 12 V / 7,5 W.

Code	Dimensions Ø / cm
1339	7,6

Code 3214-B
MASTHEAD NAVIGATION LIGHT
With white deck spotlight. Plastic,black, suitable for vessels up to 12m. 12V/10W.

BICOLOR NAVIGATION LIGHTS FOR BOATS UP TO 12m

BICOLOR NAVIGATION LIGHT
For vessels up to 12 m, 12V/10W, 225˚.

Code	Dimensions mm
4309 - BLACK	L 71 x W 59
4309 - WHITE	

BICOLOR NAVIGATION LIGHT
For vessels up to 12 m, 12 V, 225˚ 6W.

Code	Dimensions mm
4310 - BLACK	L 59 x W 42
4310 - WHITE	

59mm
71mm
36mm
Ø 4mm
69,5mm
38mm
28mm
Ø 5mm

BICOLOR NAVIGATION LIGHT (RED-GREEN)
For vessels up to 12m, 12V/10W, 225˚.

Code	Dimensions cm
3249	L 75mm x W 65mm

COMBINATION RED-GREEN NAVIGATION LIGHT
12V-5W, 112.5˚ red - 112.5˚ green.

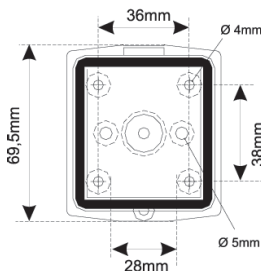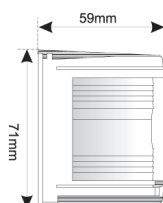| Code	Dimensions cm
1327 - WHITE	L 10 x W 8
1326-CHROME	L 10 x W8

NEW

BICOLOR ALL ROUND NAVIGATION LIGHT
Bicolor all round navigation light for boats up to 12 meters.

Code	Color	Volt	Watt	Visibility	Dimensions cm
3540-W	White	12V	10W	1 NM	Height 10
3540-B	Black				

Code 3109
BICOLOR STAINLESS STEEL NAVIGATION LIGHT (Green - red)
112.5˚ red -112.5˚ green 12V/10W, Ø 5.5 cm.

LED NAVIGATION LIGHTS FOR BOATS UP TO 12m

NEW

3008-1   3008-2   3008-3   3008-4   3008-5

NAVIGATION LIGHTS WITH LED MODULE FOR HULLS UP 12 METERS
Made of black polycarbonate. CE certification.

Code	Type	Version	LED bulb Volt	Watt, Amps	Visibility	Dimensions mm
3008-1	112,5° left GREEN	For boats up to 12 meters	12V/24V	1,2W, 0,1A	1 N.M	L 75 x W 65 x H 55
3008-2	112,5° right RED				1 N.M	
3008-3	225° WHITE Masthead				2 N.M	
3008-4	135° WHITE Stern				2 N.M	
3008-5	225° BICOLOR GREEN/ RED				1 N.M	

LED NAVIGATION LIGHTS FOR BOATS UP TO 12m

NAVIGATION SIDE LIGHT LED
Navigation side light LED for boats up to 12 meters.

NEW

Code	Light Color	Casting color	Volt	Watt, Amps	Dimensions mm
3538-1 GREEN	Green	White / Plastic	12V/24V	0,3W, 25 mA	L 98 x W 55 x H 35
3538-1 R	Red				
3538-2 GREEN	Green	Stainless Steel			
3538-2 R	Red				

SIDE NAVIGATION LIGHTS LED
Available in pair : red - green with white plastic or stainless steel shell, 12V, Red 0,9W, Green 0,9W.

Code	Dimensions cm	Type
4249	L 9,5 x W 5,7	Stainless Steel
4248	L 9,5 x W 5,7	Plastic

4249

4248

BICOLOR NAVIGATION LIGHT LED, 225°
Bicolor navigation light, white plastic with LED 225°.
For boats up to 12 meters.

NEW

Code	Volt	Watt, Amps	Visibility	Dimensions mm	Color
1239-1W	12V/24V	0,3W, 25mA	1 N.M	L 84 x W 56 x H 43	White
1239-1 INOX	12V/24V	0,3W, 25mA	1 N.M	L 84 x W 56 x H 43	Stainless Steel

4708-G   4708-R

LED MOUNT NAVIGATION LIGHTS 112.5°
Visibility range 2nm

Code	Dimensions cm	Volt	Watt
4708-G	L 6,37 x W 4,18 x H 8,94	12	0,5
4708-R		12	0,5

ALL ROUND LED NAVIGATION LIGHT
Made of PC.

Code	Dimensions cm	Volt	Watt
4711	Ø 6,0 x H 8,5	12	1

ALL ROUND NAVIGATION LIGHT LED STAINLESS STEEL
NEW
All round navigation light stainless steel.

Code	Volt	Watt	Dimensions
3541	12V/24V	0,3W	Height 10 cm

PLUG IN ALL ROUND NAVIGATION LIGHT LED
All round navigation light with stainless steel pole, socket and LED.

Code	Type	Color	LED	Watt, Amps	Dimensions mm
3539	All round light 360o	White	12V/24V	0,3W, 25 mA	Plug-in base H 70 mm x Ø 68 mm Light total height 53 cm

NEW

ALL-AROUND LED LIGHT
With plastic base in black or white color and six LED lights.12V-1W.

Code	Height cm
4471 - WHITE	10
4471- BLACK	10

SIDE NAVIGATION LIGHTS APPROVED FOR BOATS UP TO 20m

STARBOARD LIGHT, GREEN
Spare glass code PÁ3020. 12V/15W, 112.5°

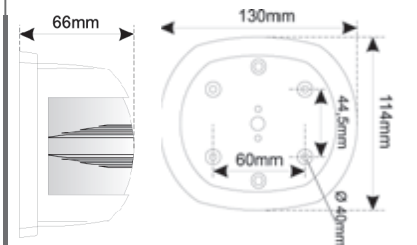| Code |
| --- |
| 3020 - BLACK |
| 3020 - WHITE |

STARBOARD, PORT, STERN AND MASTHEAD LIGHTS (boats up to 20 m)
Starboard, port, stern and masthead lights are suitable for vessels up to 20 m. They are made of polycarbonate and polyamide glass fibre reinforced material and they are approved in accordance to COLREG72 "International Regulation for the avoidance of collision at sea". They include a lamp 12V – 15W. Approved by : HMMM Hellenic Ministry of Merchant Marine

PORT LIGHT, RED
Spare glass code PÁ3021. 12V/15W, 112.5°

Code
3021 - BLACK
3021 - WHITE

Code 4476 - 4
Led bulbs for codes
3020*,3021*,3022*,3023*

DIMENSIONS OF CODES:
3020,3021,3022,3023

66mm 130mm 44.5mm 114mm 60mm Ø 40mm

STERN LIGHT, WHITE
Spare glass code PÁ3022. 12V/15W, 135°

Code
3022 - BLACK
3022 - WHITE

MASTHEAD LIGHT, WHITE
Spare glass code PÁ3022. 12V/15W, 225°

Code
3023 - BLACK
3023 - WHITE

ALL-AROUND NAVIGATION LIGHTS APPROVED FOR BOATS UP TO 20m

ALL-ROUND LIGHTS (boats up to 20 m)
All-round navigation lights suitable for vessels up to 20m. They are made of polycarbonate and polyamide glass fibre reinforced material and they are approved in accordance to COLREG72 "International Regulation for the avoidance of collision at sea".
They include a lamp 12V – 15W.

ALL- AROUND LIGHT
With white and red glass, 12V/15W, 360°. Spare glass, code 1323, 1323 - red
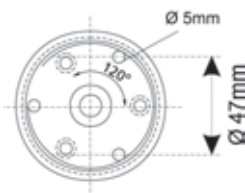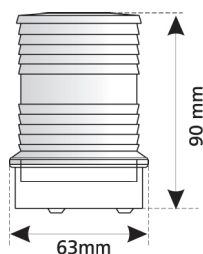
Code	Glass color	Base color
3024 - BLACK	WHITE	BLACK
3024 - WHITE	WHITE	WHITE
3025 - BLACK	RED	BLACK
3025 - WHITE	RED	WHITE

3024-Black 3024-White

90 mm 63mm Ø 5mm 120° Ø 47mm

3025-Black 3025-White

Code 4661
STAINLESS STEEL BICOLOR NAVIGATION LIGHT (GREEN-RED)
112.5 ° Red - 112.5° Green 12 Volt 10 Watt
For use on boats up to 20 meters. It is made of a rugged 316 stainless steel cover for outstanding resistance to impact and corrosion. It has a single external stainless steel lock screw that attaches cover to base and permits easy disassembly for servicing. The stainless steel electrical contacts will not corrode. The cover design and integral gasket seal out water; make installation and maintenance simple while the compact size allows installation on confined decks

38 mm 27 mm 85,7 mm 19 mm 25,5 mm 25,4 mm 61,9 mm

ELECTRICAL EQUIPMENT
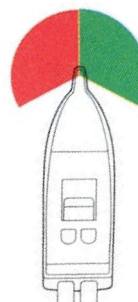
LED NAVIGATION LIGHTS FOR BOATS UP TO 20m

LED NAVIGATION LIGHTS FOR HULLS UP 20 METERS
Made of black polycarbonate. CE certification.

Code	Type	Version	LED bulb	Watt, Amps	Visibility	Dimens. mm
3001-1	112,5° left GREEN	With wall bracket	12V/24V	0,60W, 50mA	2 N.M	L 133 x W 92 x H 80
3001-2	112,5° right RED				2 N.M	
3001-3	225° WHITE Masthead				3 N.M	
3001-4	135° WHITE Stern	For boats up to 20 meters			3 N.M	
3001-5	225° BICOLOR GREEN/ RED				2 N.M	

NAVIGATION LIGHTS WITH LED MODULE FOR HULLS UP 20 METERS
CE certification.

Code	Type	Version	LED bulb	Watt, Amps	Visibility	Dimensions mm
3002-1	112,5° left GREEN	For boats up to 20 meters	12V/24V	6 W, 500 mA, 600 Lumen	2 N.M	L 91 x W 97 x Depth 84
3002-2	112,5° right RED				2 N.M	
3002-3	225° WHITE Masthead				3 N.M	
3002-4	135° WHITE Stern				3 N.M	
3002-5	225° BICOLOR GREEN/ RED				2 N.M	

STERN & BOW LIGHT LED FOR BOATS UP TO 20 METERS
Stern navigation light 135° and bow navigation light 225° with led unit, suitable for boats 20m.

Code	Type	Color /Material	Volt	Watt, Amps	Visibility	Dimens. mm
3537-W	135°	White / Plastic	12V/24V	1 W, 80 mA 100 lumens	2 N.M	L 69 x W 52 x H 39
3537-B		Black / Plastic				
3537-INOX		Stainless Steel				
3537-1 W	225°	White / Plastic				
3537-1 B		Black / Plastic				
3537-1 INOX		Stainless Steel				

NAVIGATION SIDE LIGHTS LED
Navigation side lights with LED of high illumination 100 lumens, suitable for boats up to 20 meters.

Code	Color	Casting color	Volt	Watt, Amps	Visibility	Dimens. mm
3009-1 GR	112,5° left GREEN	White / Plastic	12V/24V	1 W, 80 mA 100 lumens	2 N.M	L 69 x W 52 x H 40
3009-1 R	112,5° right RED					
3009-2 GR	112,5° left GREEN	Black / Plastic				
3009-2 R	112,5° right RED					
3009-3 GR	112,5° left GREEN	Casting stainless steel				
3009-3 R	112,5° right RED					

BI-COLOR NAVIGATION LIGHT (GREEN-RED)
For boats up to 20m, 12V/2,2W

Code	Type	Dimensions mm
4468 - 1	STAINLESS STEEL	W 77,1
4468 - 2	WHITE	

277

ALL-AROUND POLE NAVIGATION LIGHTS

POLE NAVIGATION LIGHTS
Pole navigation lights suitable for vessels up to 12m. They are made of polycarbonate and polyamide glass fibre reinforced material and they are approved in accordance to COLREG72 ''International Regulation for the avoidance of collision at sea''.
They include a lamp 12V – 10W. NAVIGATION LIGHTS CAN BE COMBINED WITH THE LED BULBS
Approved by: RINA (Royal Institution of Naval Architects),
HMMM Hellenic Ministry of Merchant Marine

ALL-AROUND POLE LIGHT -
WITH SOCKET AND INOX BASE
Stainless steel. Rubber cover protects light socket when light is stowed away.12V/10W, 360˚.
Spare glass code PA1318-15

Code	Dimensions cm	Diameter mm
1315 - 54 / BLACK	H 54	19
1315 - 54 / WHITE	H 54	19
1315 - 100 / BLACK	H 100	19
1315 - 125 / BLACK	H 125	19
1315 - 125 / WHITE	H 125	19

Ø 50 mm
46mm
25,5mm
Height

► All pole lights are packed in blister.

ALL-AROUND POLE LIGHT -
TELESCOPIC WITH NYLON BASE
Stainless steel with flag rings. 12V/10W 360˚.
Spare glass code PA1318-15.

Code	Dimensions cm	Diameter mm
1317 / BLACK	H 54	19
1317 / WHITE	H 54	19

ALL-AROUND POLE LIGHT - WITH SOCKET AND NYLON BASE
Stainless steel with flag rings. 12V/10W 360˚.
Spare glass code PA1318-15

Code	Dimensions cm	Diameter mm
1318 - BLACK	H 54	19
1318 - WHITE	H 54	19
1322 - BLACK	H 100	19
1322 - WHITE	H 100	19
1324 - BLACK	H 125	19

ALL-AROUND POLE LIGHT - WITH SOCKET AND NYLON BASE ECONOMIC LINE
Made of anodised aluminum, with flag rings.
12V/ 10W 360˚.
Spare glass code PA3206-2

Code	Dimensions cm	Diameter mm
2880 - BLACK	H 54	19
2880 - WHITE	H 54	19
2881 - BLACK	H 100	19
2881 - WHITE	H 100	19

ALL-AROUND POLE LIGHT -
TELESCOPIC WITH NYLON BASE
ECONOMIC LINE
Made of anodised aluminum, with flag rings. 12V/10W 360˚.
Spare glass code PA3206-2

Code	Dimensions cm	Diameter mm
2879 - BLACK	H 54	19
2879 - WHITE	H 54	19

BICOLOUR GLASS

Code	For Code	
	1317	1322
4670	1318	1324
	1319	1332
	1320	2620

ELECTRICAL EQUIPMENT

ALL-AROUND POLE NAVIGATION LIGHTS

ALL-AROUND POLE LIGHT WITH NYLON BASE – FOLDABLE WITH STAINLESS STEEL BASE
Stainless steel. 12V/10W, 360˚.
Spare glass code PA1318-15

Code	Dimensions cm	Diameter mm
1316 - 62 / BLACK	H 62	19
1316 - 62 / WHITE	H 62	19

ALL-AROUND POLE LIGHT WITH NYLON BASE - FOLDABLE ECONOMIC LINE
Made of anodised aluminum, with flag rings.
12V/10W 360˚. Spare glass code PA3206-2

Code	Dimensions cm	Diameter mm
2883 - BLACK	H 62	19
2883 - WHITE	H 62	19

ALL-AROUND POLE LIGHT WITH NYLON BASE- FOLDABLE
Stainless steel with flag rings.
12V/10W 360˚. Spare glass code PA1318-15

Code	Dimensions cm	Diameter mm
1319 - BLACK	H 62	19
1319 - WHITE	H 62	19

ALL-ROUND POLE LIGHT WITH BATTERIES - FOLDABLE
Made of stainless steel with flag rings. Large size alkaline battery LR 20 Size D. For small boats without battery.

Code	Dimensions cm	Diameter mm
1331 /BLACK	H 60	19

ALL-AROUND POLE LIGHT WITH NYLON BASE- FOLDABLE
Stainless steel, 12V/10W, 360˚.
Spare glass code PA1318-15

Code	Dimensions cm	Diameter mm
1320 - BLACK	H 24	19
1320 - WHITE	H 24	19
2620 - BLACK (With bicolour glass Red- Green)	H 24	19
2620-WHITE (With bicolour glass Red- Green)	H 24	19

FOLDABLE ALL-AROUND POLE LIGHT WITH NYLON BASE ECONOMIC LINE
Made of anodised aluminum, 12V/10W 360˚. Spare glass code PÁ3206-2.

Code	Dimension cm	Diameter mm
2882 - BLACK	H 24	19
2882 - WHITE	H 24	19

ALL-AROUND POLE LIGHT WITH NYLON BASE – FOLDABLE WITH STAINLESS STEEL BASE
Stainless steel. Spare glass code PA1318-15.
12V/10W, 360˚

Code	Dimensions cm	Diameter mm
1316 - 24 / BLACK	H 24	19
1316 - 24 / WHITE	H 24	19

28mm

44mm

Ø 5 mm
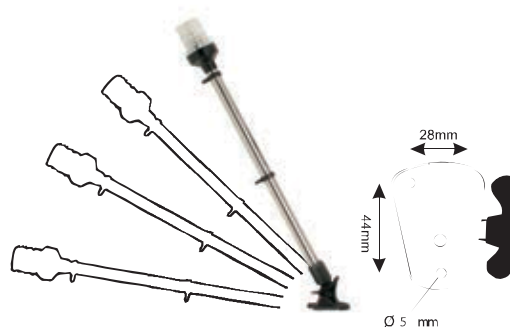
ALL-AROUND POLE NAVIGATION LIGHTS

ALL- AROUND LIGHT WITH FIX PLASTIC BASE
Stainless steel with firm plastic
base. 12V/10W, 360°. Spare glass code PA1318-15.

Code	Dimen. cm	Diam. mm
1314 - 15 / BLACK	H 15	19
1314 - 15 / WHITE	H 15	19
1314 -15 / CHROME	H 15	19
1314 - 25 / BLACK	H 25	19
1314 - 25 / WHITE	H 25	19
1314 -25 / CHROME	H 25	19

ALL-ROUND NAVIGATION LIGHT
With fixed mount for boats up to 12m.
Visibility at 2NM. 12V/8W, 360°.

Code	Dimensions cm
1305 - BLACK	H 12,7
1305 - CHROME	

THREE-WAY POLE NAVIGATION LIGHTS

THREE – WAY NAVIGATION LIGHTS
Three – way navigation lights suitable for vessels up to 12m. They are Stainless steel, made of polycarbonate and polyamide glass fibre reinforced material and they are approved in accordance to COLREG72 ''International Regulation for the avoidance of collision at sea''. They include a lamp 12V – 10W..**Approved by:** MCA Maritime Coastguard Agency , MMF French Maritime Administration HMMM Hellenic Ministry of Merchant Marine

THREE-WAY POLE LIGHT WITH NYLON BASE- FOLDABLE
Stainless steel, 12V/10W.

Code	Dimen. cm	Ø mm
2312 - BLACK	H 60	19
2312 - WHITE	H 60	19

THREE-WAY POLE LIGHT WITH NYLON BASE - FOLDABLE
Stainless steel , 12V/10W.

Code	Dimen. cm	Ø mm
2626 - BLACK	H 26	19
2626 - WHITE	H 26	19

THREE-WAY POLE LIGHT
Stainless steel with firm case, 12V/10W.

Code	Dimen. cm	Ø mm
2627 - WHITE	H 26	19

THREE-WAY POLE LIGHT
Three-way pole light, stainless steel with firm plastic base. 12V/10W.

Code	Height cm	Ø mm
2616	H 21	19

NEW

THREE-WAY POLE LIGHT INOX WITH FOLD-ABLE NYLON BASE
It carries two lights with red and green mirrors and a white light. Large size alkaline battery LR 20 Size D.. For small boats without battery.

Code	Dimen. cm	Ø mm	Color
2625	H 60	19	BLACK

THREE-WAY NAVIGATION LIGHTS

STAINLESS STEEL THREE - WAY NAVIGATION LIGHT WITH NYLON BASE

Constructed according to the new directive of Greek Ministry of Merchant Marine. The white light indicates a condition of anchorage of the boat, while the two red get activated separately in case of absence of government. 12V/10W.

Code	Dimen. cm	Color
2316	H 60	BLACK
2317	H 35	BLACK
2317-W	H 35	WHITE

THREE WAY NAVIGATION LIGHT WITH NYLON BASE
12V/10W. Stainless steel.

Code	Dimen. cm	Ø mm	Color
2684-1	H 35	19	BLACK
2684-2	H 50	19	

THREE-WAY NAVIGATION LIGHT WITH INOX BASE
Stainless steel. 12V/10W.

Code	Dimen. cm	Ø mm	Color
2319-W	H 35	19	WHITE

SPARE BULBS FOR NAVIGATION LIGHTS

Code	Type	Volt
1203	For flash lanterns with 1 battery	1,5 V
1205	For lanterns with codes 1310, 1311, 1312, 1313, 3010, 3011, 3012, 3013	12V 10W
1205 - 1	For lanterns with codes 3020, 3021, 3022, 3023	12 V 10 W
1206	Unipolar for lanterns with codes 918, 777, 784, 785, 2626, 2627	12 V 10 W
1207	Bipolar for lanterns with codes 1307, 1308, 1309, 1332, 1317, 1318, 1319, 1320, 3205, 3206, 2880, 2881, 2879, 2883, 2882, 2316, 2317 1315, 1322, 1324, 1316, 1314 and all the all-around pole lights	12 V 10 W
1207 - 2	Bipolar for lanterns with codes 1326, 1327, 1336	12 V 5 W
1208	For battery lanterns code 2625, 1331, 1344	1,2 V
1209	For4 battery flash lanterns	12 V
1534 - 2	Polar bulp for rear trailer lights for code 1534	12 V 21 W
1534 - 3	Festoon lamp for code 1534	12V, 5W

LED BULBS CAN BE COMBINED WITH THE NAVIGATION LIGHTS

SPARE LED BULBS
Parallel pins. Electrically polarised (+/-).

Κωδ.	Type	Volts	Contacts	Suitable for codes	Dimen. mm
4476 - 1	White LED	12	2	1326, 1327, 1336, 1336W, 1333-1	
4476 - 2	White LED	12	2	2880, 2881, 2879, 2883, 2882, 2316, 2317, 1305, 1315, 1322, 1324, 1316, 1314, 1307, 1308, 1309, 1332, 1317, 1318, 1319, 1320, 2312, 2626, 2627, 3205, 3206, 3216, 3215, 3024, 3025, 2319-W, 2317-W	L41 x Ø16
4476 - 3	White LED	12	1	918, 777, 784, 785, 2626, 2627	L39 x 10Ø
4476 - 4	White LED	12	2	1310, 1311, 1312, 1313, 3010, 3011, 3012, 3013	L43 x Ø10
1210 - 1	1 White LED	12	-	Festoon with 1 white led (30 x 10 mm), 0,55W	L30 x Ø10
1210 - 2	2 White LED	12	-	Festoon with 2 white led (38 x 10 mm), 0,98W 3020, 3021, 3022, 3023	L38 x Ø10

Image labels: 1203, 1205, 1206, 1207, 1207 - 2, 1208, 1209, 1534 -2, 1534 - 3, 4476 - 1, 4476 - 2, 4476 - 3, 4476 - 4, 1210-1, 1210-2
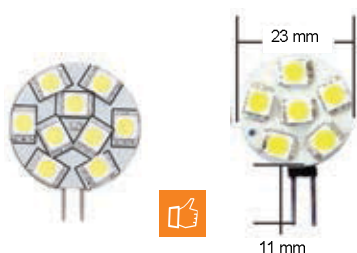
G4 TYPE LED BULB

Code	Type	LED	Beam Angle	Volt	Lumen	Diameter mm	Pin
1918-1	G4	6 x 0,3W White	120°	10-30	70	23	Side pin
1918-2		9 x 0,2W White			90	28	
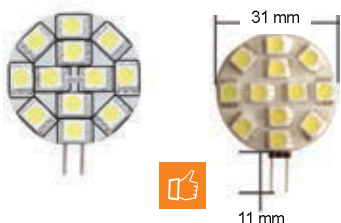
G4 TYPE LED BULB

Code	Type	LED	Beam Angle	Volt	Lumen	Diameter mm	Pin
1295-1	G4	12 x 0,2W	120°	12	120	31	Side pin
1295-2							Back pin

G4 TYPE LED BULB

Code	Type	LED	Volt	Diameter mm
1910	G4	4 Λευκά	12	11
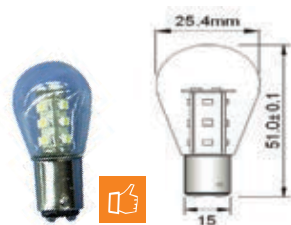
LED BULB
With double contact.

Code	LED	Volt	Watt	Beam Angle	Lumen	Dimensions mm
1919	15 White	10-30	1,2W	360°	100	Ø Base 15 x Height 51
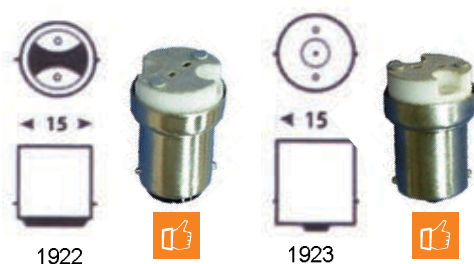
1922   1923

ADAPTOR FOR LED
Adaptor to be combined with all G4 / GU4 LED

Code	Volt	Dimensions mm	Type
1922	10-30	Ø 19 x 31	Double Pole
1923			Single Pole

1296   1265
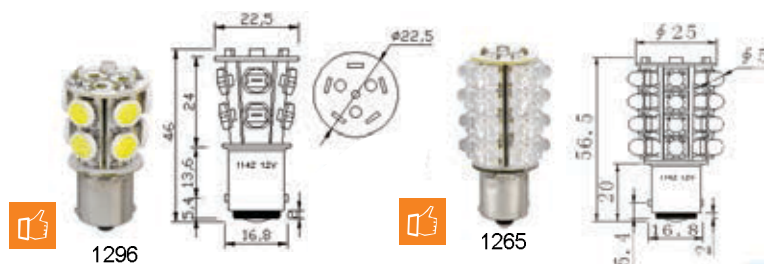
SPARE LED BULB

Code	Type	Contacts	Led Color
1265	Non-parallel pins	Single	WHITE
1296	Non-parallel pins	Single	WHITE

BIPOLAR STAINLESS STEEL LAMP SOCKET 12V

Code	Type	Cable Length cm	Volt
1325	Double pole	65	12/24
1325 - 1		140	

LED BULB
With double contact

Code	LED	Volt	Watt	Beam Angle	Lumen	Dimensions mm
1921	12 White	10-30	1 W	360°	85	L45 x Ø11

SOLAR ROUND LIGHTS & SWIVEL LAMPS

4618-Y   4618-W

NEW

ROUND SOLAR WARNING LIGHT
High visibility flashing round warning light that operates using the solar energy. It is made of polycarbonate and ABS plastic, with anti-shock PC shell. Waterproof. It operates even in rainy day. Automatic On-off according to the environmental luminance or via a switch.
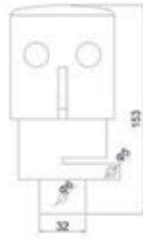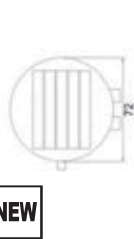
Code	LED	Solar panel	Battery	Transmission type	Dimensions mm	Weight	Light Color
4618-W							White
	6 incorporated ultra-bright LED, Φ5	0,25W monocrystal-line Solar cell	Rechargeable: Ni-MH 1600mAh x 1	flashing 90±5 times/ sec	Φ72 x L 153	160gr	
4618-Y							Yellow

NEW

INOX BASE FOR FIX MOUNTING
For code 4618*

Code	Dimensions cm	Internal Tube Diameter cm
4588-1	L 8 x W 5,2	32,5

NEW

INOX ROTATING BASE FOR RAIL MOUNTING
The inox rotating base is combined (included) with plastic joint for mounting on rail Ø 22mm. The base is rotating 180° left-right. For code 4618*

Code	Internal diameter cm
4588-2	32,5
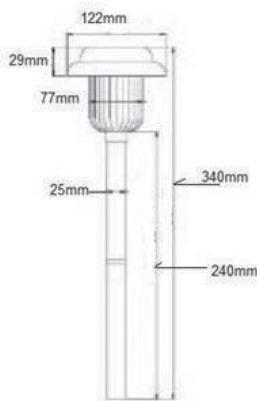
LIGHT SOLAR LAMP
Made of ABS and stainless steel. It is equipped with super bright LED for low power consumption combined with long life. The solar light is powered by the sun with the use of solar panels made of polycrystalline silicon.

Code	LED	Volt	Batteries
4379	2 white superbright LED	1,2V	AA 800 mAh Ni-MH rechargeable batteries

SWIVEL LAMP MAGNETIC

Code	Dimensions mm	Volt	Watt
1288	100 x H 153	12	20
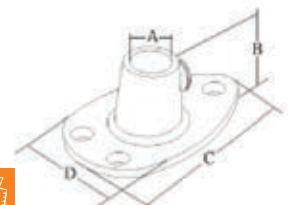
BASE FOR MASTHEAD LIGHT-FIXED OR FLAG
Stainless Steel. Ø 19 mm.

Code	A mm	B mm	C mm	D mm	Type
1245 - 2	19	30	84	51	WITH ALLEN
1245 - 3	19	30	84	51	WITH SCREW

ELECTRICAL EQUIPMENT

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LED SPOTLIGHTS

SPOT LIGHTS

A big variety of spotlights is available in several kind of performances, dimensions and colors satisfying every kind of need. They are extremely durable suitable for marine and several other uses.

LED SPOTLIGHT 360° ROTATION, WATERPOOF

Spotlight Waterproof IP56 LED Module: IP67 of plastic housing with 8 LED and handheld wireless remote control. It has permanent non-magnetic base. Rotation up-down 120° and right-left 360°.

NEW Unlimited 360° Rotation

Code	Rotation	Volt	Watt	Amps	LED	Luminous intensity Cp	Beam distance	Dimensions mm	WeightKg	Color
1568	Up – down 120 ° Right –Left 360 °	12V	32W	1,14 A	8 LED x 3W	230,000	959m	L 181,5x W 149 x H169	1.9	White

LED ELECTRIC LIGHT TOTALLY WATERTIGHT

Body: diecast light alloy painted in white with high-resistance and anti-corrosion resins. Totally watertight. 2-speed.
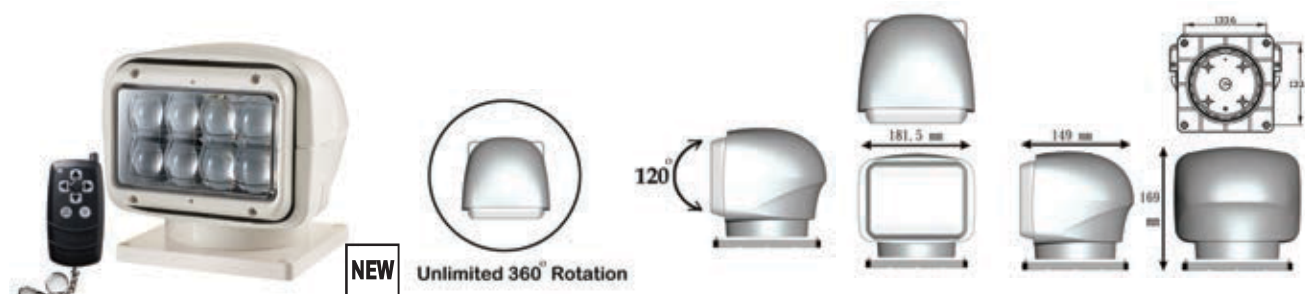• Joystick control code 1039-1
• Bridge wireless control code 1039-2
• Wireless remote control code 1039-3
• Code 1039-4 : 10-m extension cable for 1039-1

This cable is connecting with power.

RED 12 V DC
10-12 ga. Butt Connector
10 Amp Fuse (or circuit breaker)
Black 12V DC
Foam Gasket

NEW

Spot light links to joystick control panel by 15ft phone line.

Code	Rotation	Type	Consumption	Consumption compared to a conventional bulb
1039	355° horizontal 50° vertical	2 speed	45W / 12V	200W
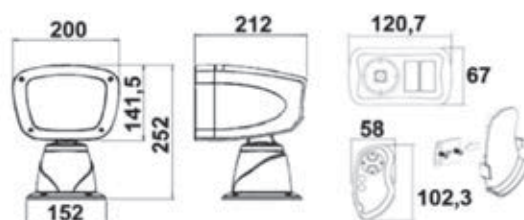
LED SPOT LIGHT WITH REMOTE CONTROL AND ROTATION

Made of polycarbonate material with aluminum alloy base. Waterproof with RF Remote Control active within 10m distance. Available 4m cable.
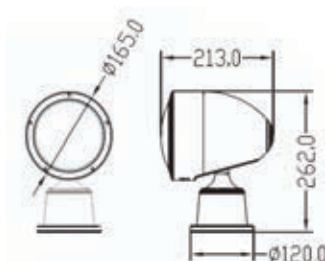
Code	LED	Light color	Beam Angle	Volt	Watt	Horizontal rotation	Vertical rotation	Dimensions mm	Color
1274	9 x 3 W	Cool White	110°	12 V	20,5	355°	80°	H 262x Depth 213, Φ 165	WHITE

SPOTLIGHTS WIRED & WIRELESS

1361

1944

TURNING HID (Xenon) SMART LIGHT WATERPROOF
New technology lighting system that uses xenon. The produced light is 3 times brighter than the one produced from halogen bulbs and approaches daylight. It has non magnetic bottom. Available with remote control and cable control.

Code	Swivel	Volt	Watt	Lumens	Cd	Remote Control Distance m	Dimansions mm	Color
1361	Up –Down : 69° Left – Right : 350°	12	50	3.000	650.000	65	L231 x W178 x H 218	White
1944	Up –Down : 69° Left – Right : 350°	12	50	3.000	650.000	65	L319 x W178 x H 245	White

SEARCHLIGHT WITH REMOTE CONTROL
Searchlight with remote control. It has sealed halogen bulb ø 140 mm

Code	Volt	Cp	Dimensions mm	Watt
3894	12V	100.000	L 220 x W 160 x H 220	100+100

DOUBLE ELECTRIC DEEP SPOT LIGHT
Handling by remote control. Rotation 355˚, elevation 70˚.

Code	Volt	Max Watt	Heigh mm	Length mm	Front mm
3223	12	200	205	220	270 x 135

ADJUSTABLE DECK MOUNT SPOT LIGHT
Water resistant. With remote control. 420°/ up-down 120°. Spare remote control is available with code 1271.

Code	Volt	Watt	CP
1271 - 1	12	55	Rubber base
1271 - 2	12	55	Magnetic base

RECTANGLE, SPOT LIGHT WITH MAGNETIC BASE
Waterproof with magnetic bottom and halogen bulb.

Code	Volt	Watt
4666	12	55

RECTANGLE, SPOT LIGHT WITH MAGNETIC BASE
Waterproof, with wire or remove control and halogen bulb.

Code	Volt	Watt
4667	12	55

LED SPOTLIGHTS WITH BASE

ROUND HIGH POWER SPOTLIGHT WITH LED
White cover with 8 leds, waterproof and low consumption.

Code	Volt	Watt	Led	Diameter mm
4313	9 - 36	9,7	8	115

DECK MOUNT SPOTLIGHT & LED
White with 8 leds, waterproof, low consumption

Code	Volt	Watt	Led	Lumen	Dimensions mm
4599	9 - 36	11	8	840 lumens	110 x 100

ELECTRICAL EQUIPMENT

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LED SPOTLIGHTS WITH BASE

DECK MOUNT LED SPREADER LIGHT
Made of aluminum alloy. Can be adjusted vertically and horizontally. 6 LED lights installed.

Code	Dimensions mm	Volt	Watt	Cp	Lumen
4706	Ø 103 x W 49,6 x H 146,5	8-30 V	6 x 3W	330.000	880

MULTIPLE USE DECK MOUNT SPOT LIGHT WITH LED
With base, color black.

Code	Watt	Led	Dimensions
3225-1	18W	6 LED - 850LUMEN	Ø 115 mm, Depth 30mm

NIGHT EYE HIGH-BEAM LED LIGHT
Made of white painted light alloy + ABS + stainless steel base
13 x CREE genuine high-quality LEDs, 50.000 hour duration
The light can be removed from the base thanks to the 2-m extension cable
It is equipped with watertight ON-OFF switch and watertight end plug, for either external or built-in installation.
IP66 watertight
High power, low consumption.

NEW

Code	Type	LED	LED power	Power compared to standard bulb	Deep spot light m	Volt
4645-1	with base for flat mounting	13	13 W	130 W	600	12/24
4645-2	with connection for rail mounting	13	13 W	130 W	600	12/24

SPOTLIGHT LED
Waterproof. Made of aluminum alloy and zinc alloy base. With Handle for Easy Adjustment of Housing Angle, It comes with elastic cord and plug cigarette.
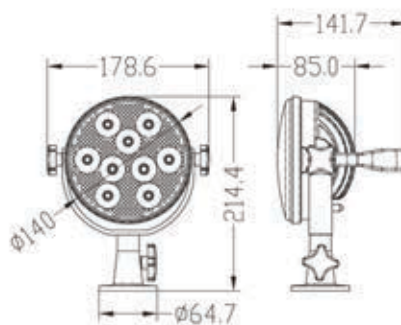
Code	LED	Light Color	Beam Angle	Volt	Watt	lumen	Dimensions mm
1281	9x 3W	Cool White	110°	8-30V	20,5	900	H 214,4 Ø Base 64,7 Ø spotlight 140

SPOTLIGHTS WITH BASE

Code 1289
WATERPROOF MARINE SPOT LIGHT
Made of plastic ABS with anodized aluminium bracket and brass base. Can be used as portable hand held light. Revolving 360˚. With coil wire and switch with waterproof rubber cup.
12 VOLT - 100 WATT.
Spare lamp code 1289-1.

Code 1259
POLE SOCKET FOR RAIL
Made of chromed brass.
For tube Ø 22-25 mm.
Combined with the codes: 1289, 1281 and 4645-1-2

NEW

HIGH-BEAM LIGHT ADJUSTABLE FROM INSIDE
Made of chromed brass and stainless steel, watertight, adjustable nylon ball joint, frictioning, very small and convenient control handle; supplied with watertight bulbs "GE."

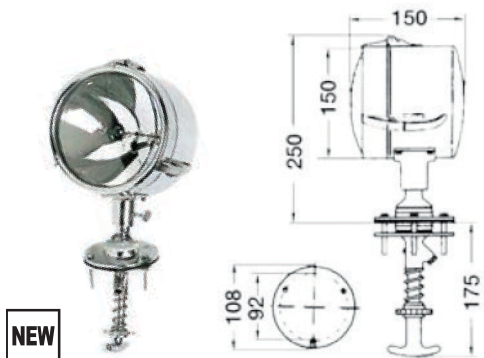| Code	V	Ø mm	Capacity m
1504-1	12	145	800
1504-2	24	145	800

ADJUSTABLE DECK MOUNT SPOT LIGHT
Stainless steel. Height: 23 cm.

Code	Volt	Watt
1275	12	55

ADJUSTABLE DECK MOUNT SPOT LIGHT
Stainless steel. Root mount on cabin. Height: 23 cm.
Spare amp code 1273-1.

Code	Volt	Watt
1273	12	55

FIXED DECK MOUNT SPOT LIGHT
Stainless steel.

Code	Volt	Watt
1286	12	55

ROLL BAR SPOT LIGHT
Vertical adjustment, with white ABS housing. Spare bulb with code 3893-1.

Code	Housing Dimensions mm	Base Dimensions mm	Volt	Watt
3893	180 x 120	165 x 45	12	60

ADJUSTABLE DECK MOUNT SPOT LIGHT
Stainless steel.

Code	Volt	Watt
1285	12	55

Available spare bulb with code 1285-1

DECK MOUNT SPOT LIGHT
Docking light kit with stainless steel bracket suitable for mounting on roll-bar. It also includes rubber bracket boots, safety fused wiring harness and lighted switch.

Code	Volt	Watt
3243	12	55

MULTIPLE USE DECK MOUNT SPOT LIGHT
Waterproof with hard rubber casing.

Code	Volt
3225	12

287

HANDHELD SPOTLIGHT

RECHARGEABLE HAND SPOT LIGHT

Equipped with 12V/2,8A, quartz halogen bulb 100 Watt. Battery or 12V plug operation. Quick recharge. In black color.

Code	Volt	Watt	Cp
3252*	12	100	2.000.000

*Available spare bulb with code 3252-1

RECHARGEABLE HAND SPOT LIGHT

Equipped with 6V/4A, quartz halogen bulb 55 Watt. 110 V and 12 V charging cords included.

Code	Volt	Watt	Cp	Color
3221-BL	6	55	1.000.000	BLACK

SPOTLIGHT WATERPROOF

Plastic and halogen bulb.

Code	Volt	Watt	Candle Power -CP
1699	12	55	1.000.000

HAND SPOTLIGHT

Quartz halogen bulb and storage compartment for the power cord. Black color.

Code	Volt	Watt	Cp
1287	12	100	2.000.000
1287 - 1	12	55	1.000.000

RECHARGEABLE HAND SPOT LIGHT

Waterproof with swivel handle. Equipped with 6V/4AH battery and AC/DC battery charger. Automobile cigarette lighter plug for charging is included.

Code	Volt	Cp
3220	6	1.000.000

HAND SPOT LIGHT

Waterproof and floating. Automobile cigarette lighter plug for charging is needed with enclosed push on/off swivel.

Code	Volt	Watt	Cp
1278	12	55	300,000

HAND SPOT LIGHT

Also available spare bulb, code 2933

Code	Volt	Watt	Cp
1283	12	170	400,000

HAND SPOT LIGHT

Code	Volt	Watt	Cp
1277	12	55	450,000

HAND SPOT LIGHT

Waterproof with rubber housing and plug.

Code	Volt	Watt
1276	12	55

FLASHLIGHTS & WORKING LIGHTS

RECHARGEABLE LED FLASHLIGHT

High power aluminum rechargeable LED flashlight with lithium battery.
The body is made of resistant aluminum alloy in camouflage colors with
powerful LED of 1Watt.
Options available :
1. Strong light
2. Low light
3. Flash

Code	Beam distance	Duration of continuous use	Brightness	Battery type	Dimensions mm	Weight g
4475-5	160m	5 hours	180 Lumens	18650 rechargeable	Ø32 x159	128

FLASHLIGHT 17+1 LED WITH MAGNETIC BASE

A flashlight of high brightness with magnetic base that allows
it to be placed in various spots. It is equipped with 1 bright
LED on the front and 17 high bright led on the side. It is very
convenient for being used on the boat, camping, in the car,
during fishing etc.
The switch allows 5 options :
1. Strong light
2. Medium light
3. Low light
4. Flash
5. S.O.S

Code	Beam distance	Duration of continuous use	Brightness	Battery type	Dimensions mm	Weight g
4475-2	100-120m	5 hours	120-180 Lumens	2 X AA	Ø37 x145	155

MINI FLASHLIGHT WITH 9 LED

Mini handheld flashlight with 9led made of aluminum. It can be used while
fishing, on the boat, in the car, during camping etc or anywhere else due to
its small size.

Code	Beam distance	Duration of continuous use	Brightness	Battery type	Dimensions mm	Weight g
4475-1	160m	4 hours	11,000-13,000 MCD	3 X AAA	Ø26,5 x 89	47 g

MINI LED FLASHLIGHT WITH KEY CHAIN

This mini led flashlight is made of aluminum alloy and is suitable for various uses.
It is very convenient as it can be carried everywhere due to its small size and the
key chain.

Code	Duration of continuous	Battery type	Dimensions mm	Weight g
4475-4	3 hours	4 x LR41	Ø15 x100	40

MINI FLASHLIGHT WITH 1 LASER & 2 LED WITH KEY CHAIN

This mini led flashlight is equipped with 1 laser and 2 led. It is made of
aluminum alloy and is suitable for various uses. It is very convenient
as it can be carried everywhere due to its small size and the key chain.

Code	Lyte	Battery type	Dimensions mm
4475-6	1 Red Laser + 2 White LED	3*AG13	Ø15 x70

FLASHLIGHTS & WORKING LIGHTS

Code 3163
FLASHLIGHT WITH CELL PHONE CHARGER & STAND-BY LIGHTING.
It does not need any batteries, it costs as much as the cost of two years' batteries!
- Build-in dynamo generator flashlight with stand-by lighting
- 5 white LED with 15,000mcd super bright
- Stand-by lighting helps to find the torch in total darkness
- 1 minute hand cranking enables over 30 minutes of continuous lighting for 5 LEDs
- Lighting / 2 months stand-by lighting / over 2 minutes talk time / 90 minutes of mobile phone stand-by time
- Two levels of lights: 5 LED / 1 LED lightings
- No external batteries needed, environmental friendly
- Waterproof
- One Nokia connecting cable included
- Comply with CE & FCC
- Dimension L170mm Ø60mm

Code 1228
WORKING LIGHT
Waterproof, visible at 2 n.m.
It includes 3,8 m wire, cigarette lighter plug and hanging bracket.
12Volt/10Watt

WORKING LAMP
Plastic, with 3 m wire.
Color: Black.

Code	Dimensions mm	Volt	Watt
3377	L 180	12	21

WORKING LAMP
Plastic, with on-off switch, wire. Color: Black.

Code	Dimensions mm	Volt	Watt
3535	W 31 x H 370	12	8

LED LIGHT WITH MAGNET AND HOOK
Rechargeable. The necessary accessory for the boat, car, caravan and generally where there is low lighting. Features a hook for being placed in many positions. Additionally it is equipped with LEDs for economy and soft lighting to avoid eye-tiring.

Code	LED	Volt
4970	27 Led	12V

WORK LIGHT
Waterproof light with 6 superbright LED. White with aluminium housing and 6 meter cable.

Code	Dimensions mm
4577	L 100 x H 65 x D 32

NEW

RECHARGEABLE LED WORK LIGHT
LED work light with high capacity Li-ion rechargeable battery. Suitable for every work task and for use on the boat, during camping, in the car or at home as it can be carried anywhere. With multi-function handle, easy to hang when necessary. Durable for heavy use, IP65.

Code	Watt	LED	Lifespan	Charging time	Discharge time	Charging voltage	Weight kg
2803	15 W	5x3W	50.000 hours	7-8 hours	3-4 hours	DC12V/ AC110-240V	0,8

UNDERWATER & FISHING LIGHTS

DIVING FLASHLIGHT LED

A stylish diving LED flashlight with great autonomy due to the LED technology light. It is made of high density hard plastic with high quality aluminum oxide. It has effective light range in more than 25 meters and 20 meters when diving. It has a magnetic rotary switch ON/OFF. It works with 4xAA batteries .

Code	Light Range		Brightness Lumens	Color	Dimensions mm
	Effective light	Diving			
2864-YL	More than 25 meters	20 meters	180	Yellow	L163mm
2864-Blue				Blue	
2864-Red				Red	

POWERFUL UNDERWATER ALUMINUM FLASHLIGHT CREE T6 LED

An underwater flashlight of high brightness with new type CREE T6 LED (100.000 hours lifetime). The body is made of aircraft-grade aluminum alloy for maximum durability and rigidness. The maximum luminous flux is of 1200lm. Waterproof up to 100 meters depth. Internal wiring applies the high efficient booster circuit, and can utilize the batteries in the largest extent.

Code	Beam distance	Duration of continuous use	Brightness	Battery type	Dimensions mm	Weight g
4475-3	200m	5 'hours	1200 Lumens	1x3,7 V 18650	Ø52,8 x160	256,5

Code 519
STORM HAND LANTERN
Capacity 200 gr and burning time 14 hours. H 24,5 cm.

Code 3878
CAMPING LIGHT RECHARGEABLE
With fluorescent lamp and wireless remote control. It has rechargeable battery 6V/4AH and a AC-DC adaptor.

RECHARGEABLE SPORTLIGHT MARINE TYPE

Rechargeable spotlight for free diving. It has convenient hand handle with double switch and voltmeter for checking battery charging level and time charge. Dual type external charging 220V (at home) and 12V (car). The spotlight lens can be adjusted according to the focus needs. It is manufactured in ideal buoyancy (slightly negative) so as to direct the light towards the sea depth and not towards the user. Ideal for use outside and inside water due to its long lasting light autonomy -6 hours use. Its light capacity is up to 15 meters under water and up to 1,5 miles outside water.

Code	Volt	Battery	Length cm	Spotlight Diameter cm
2862	12V/220V	6V / 5Ah	26	9,5

SOLAR CAMPING LANTERN WITH LED
Made of ABS. Suitable for camping and other outdoor activities. Available with AC/DC adapter and car plug.

Code	Led	Battery	Solar panel
3226	15 Led	3,6V / 1500mAh NI-MH	6V / 120 mA

UNDERWATER & FISHING LIGHTS

NEW

LED HEADLAMP FOR DIVING, WATERPROOF
Professional, waterproof, antifreeze, compact headlamp. It is comfortable to wear equipped with telescopic dimming, intelligent memory circuit and split structure design. It is made of ABS with good flexibility so as not to break.
Semiconductor ceramics are used for high-brightness while the CREE light is energy saving as the consumption is only 1/20 of compared to an ordinary lamp. The headlamp integrates a flexible circuit board (anti-corrosion, superconductivity). The high brightness LED technology irradiation distance is of up to 200 meters, 800 meters above the visibility distance.

Code	Led	Type	Led lamp life	Energy consumption
3181	1	Rotation up and down 90 degrees	10.000.000 hours	1/20 of an ordinary lamp

Code 3164
HEAD LAMP WITH 3 LEDs
With regulator of light power level and adjustable straps. It has 2 white LED 3V/0,05A and 1 red LED 3V/0,025A. It operates with 3 x AAA batteries. Water resistant.

Code 1664
LED Cordless Rechargeable Black Light
Compact, multipurpose light ideal for the night fisherman. Three switches allow individual control of the following light settings :
- 10 UV LED's produce a wide angle black light to illuminate line from bow to stern
- 5 red LED's provide task light for reading charts or rigging poles while preserving night vision
- 5 white LED's produce enough light to set up for the night or clean up after
Cordless design for complete portability and convenience, runs up to 8 hours on a single charge. Charge or operate using 12-volt cord, or 110-volt charger. Padded storage bag included. Four-color box.

Code 1665
WATERPROOF LED FLOATING FISHING LIGHT
With low consumption seven green LEDs. The light penetrates water to attract night-feeding fish. Compact, lightweight design stows easily. Includes 3,6 m cord with fused 12-volt power plug and battery adaptor to extend cord and clip easily to battery. 12 Volt.
Dimensions: Total diameter: 205 mm
Height 95 mm

SUBMERSIBLE FISHING LIGHT 6 LED
Featuring six low-consumption LED's, this submersible light provides light output comparable to fluorescent and halogen models of the same size. The fluted reflector multiplies the light of the LED's and reflects it in every angle to reach more fish. Powered by three AAA batteries (included), the light is completely portable, not tied down by a 12-volt cord; and operates up to 50 hours. Compact size (less than 10") allows for easy storage. Eyelet on endcap for weight allows light to be submersed at desired level.

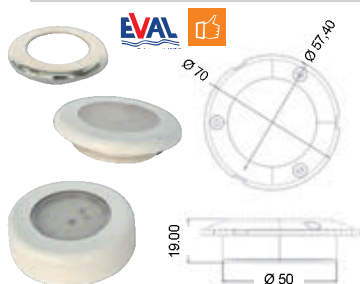| Code	Heigh cm	Leds
1667	25	6

SPOTLIGHT
Waterproof and floating.
2,5m wire with battery clips included.
Dimensions :
Total diameter 205 mm
Height 95 mm

Code	Volt	Cp
1279	12	26,000

FLUSH MOUNT LIGHTS, ROUND & SQUARE SHAPED

NEW

LED CEILING LIGHT
Made of polycarbonate lens and ABS plastic. Available either with 4 or 21 LED, with or without base and either in warm or cool white light. The package includes both the white and the chrome plated rim.

Code	LED	Volt	Watt	Lumens	Color temerature	Color light	Dimensions mm	Cut dimensions	Type	Color
1450-4C	4	12V	0,4W	29	6000-6500K	Cool White	Ø 70 x Depth 19	Ø 50mm	Flush mount	Set includes : 1 white and 1 chrome plated rim
1450-4W				26	2800-3300K	Warm White				
1450-21C	21		2W	185	6000-6500K	Cool White				
1450-21W				180	2800-3300K	Warm White				
1450-4CB	4		0,4W	29	6000-6500K	Cool White	Ø 70 x Depth 22		Wall mounted with base	
1450-4WB				26	2800-3300K	Warm White				
1450-21CB	21		2W	185	6000-6500K	Cool White				
1450-21WB				180	2800-3300K	Warm White				

ROUND FLUSH LIGHTS
With 4 Led lights. The package includes both the chrome and the white rim. Flush mounting.

Code	Ext.Diam mm	Cut dimen. mm	Volt	Watt	Light Beam
4470 - W	Ø 75	Ø 50	12	0,35	WHITE
4470 - BL	Ø 75	Ø 50	12	0,35	BLUE

4712 - 1   4712 - 2

ROUND 4LED CEILING LIGHT
Made of plastic. 4 LED lights included.

Code	Dimensions mm	Cut dimen. mm	Volt	Watt	Type
4712 - 1	Ø 75 x H 26	Ø 50	12/24	0,35	Flush mount
4712 - 2	Ø 75 x H 26		12/24	0,35	Surface mount

FLUSH OR SURFACE MOUNTING LIGHT WITH 2 COLOR LIGHT
Led ceiling light for interior or exterior use. With 2 white LED and 2 red LED. The choice of color lighting depends on the switch connection.
White : 12V/0,65W
Red:12V/0,35W

Code	Diameter mm	Cut dimen. mm
4496	70	Ø 50

FLUSH-MOUNT LIGHT Round shape 12V
Waterproof, with 3 LEDs.

Code	Dimensions Ø / mm	Volt	Watt	Cut dimen. mm
3482 - YELLOW				
3482 - RED	80 x H 25.8	12	0,22	Ø 50
3482 - WHITE				

LED SENSOR INTERIOR LIGHT
With motion sensor.

Code	Dimensions mm	Volt	Watt
4701	Ø 77,3 x H 25,6	8-30 V	3

INTERIOR LED LIGHT
Push on/off function. For flush mount or surface mount.

Code	Dimensions mm	Cut dimen. mm	Volt	Watt
4709	L 119 x W 99 x H 31	80 x 60	12	0,9

FLUSH OR SURFACE MOUNTING LIGHT WITH 2 COLOR LIGHT
Led ceiling light for interior or exterior use. With 2 white LED and 2 red LED. The choice of color lighting depends on the switch connection.
White : 0,65W
Red:0,3W

Code	Diameter mm	Cut dimen. mm
4493	80	Ø 54

ELECTRICAL EQUIPMENT

FLUSH MOUNT LIGHTS, ROUND & SQUARE SHAPED

MINI LED COURTESY LIGHT
Mini dome light, flush mount with
one white LED light..

| Code	Dimensions mm	Cut dimen. mm	Volt	Watt	Lamps
3737 - 1	Ø 28 x H 20	Ø14	12	0,07	1
3737 - 2	Ø 40 x H 20	Ø 28	12	0,56	8

WATERPROOF CEILING LIGHT WITH LED
Waterproof ceiling light with 30LEDs

Code	External Dimensions mm			Internal Dimensions		Volt
	Length	Width	Depth	Length	Width	
4578	164	102	46	120	82	12V
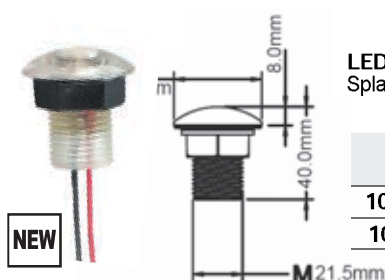
LED LIVEWELL LIGHT
Splashproof , made of plastic.

NEW

Code	Diameter mm	Led	Beam Angle	Volt	Watt	LED Lifetime	LED Color
1013-WH	38	1 x 5 Ø LED	30°	12V	0,21W	50.000 hrs	White
1013-BL	38	1 x 5 Ø LED	30°	12V	0,21W	50.000 hrs	Blue
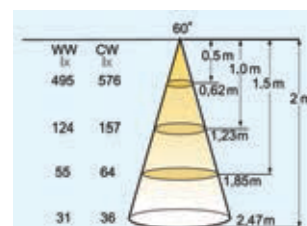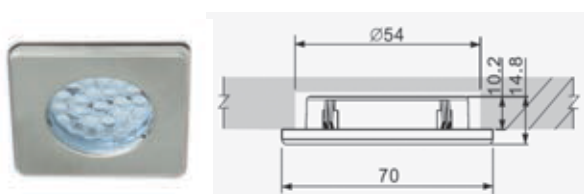
LED CEILING LIGHT
Bright slim design. It is made of plastic with optic lens. Easy Installation with clips. Square shape.

Code	LED	Volt	Watt	Dimensions mm	Color
3673	24 x Warm White SMD LEDs	12V	1,7W	70 x 70 x Only 10,2 mm of Installation Depth	Chrome Plated

NEW

LED CEILING LIGHT
Bright slim design. It is made of plastic with optic lens. Easy Installation with clips. Round shape

Code	LED	Volt	Watt	Dimensions mm	Color
3833	24 x Warm White SMD LEDs	12V	1,7W	Ø 70 x Only 10,2 mm of Installation Depth	Chrome Plated

CABIN LIGHT
Plastic, black. 12V-3W

Code	Dimensions cm	Cut dimen. mm
2624 - B	5,7 x 5,7	Ø 43

CABIN LIGHT
With 3 Led lights.

Code	Ext. Dimen. mm	Cut dimen. mm	Volt	Watt
4473	L 57 x W 87	44,5	12	0,85

FLUSH MOUNTED CEILING LIGHT
Plastic with protective glass.
White. Offered with lamp.

Code	Dimensions mm	Cut dimen. mm	Volt	Watt
3527	66 x H 22	Ø 50	12	10

FLUSH MOUNTED CEILING LIGHT
With switch. Plastic with protective glass. White. Offered with lamp.

Code	Dimensions mm	Cut dimen. mm	Volt	Watt
3528	89 x W 66 x H 10	Ø 53	12	10

SURFACE MOUNT LIGHTS, ROUND & SQUARE SHAPED

WATERPROOF CEILING LIGHT WITH LED
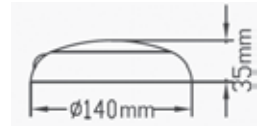Waterproof ceiling light with 18 LEDs and waterproof on-off switch.

Code	Dimensions mm	Volt	Watt	Color
4425	173 x 110 x 56	12	1,5	White

20 LED CEILING LIGHT WITH SWITCH
Plastic with silver painting.

NEW

Code	LED	Beam Angle	Volt	Watt	LED color of light	Lumen	LED Lifetime	Dimensions mm
3853	20 x 5 Ø LED	10°	12/24 V	1,5	Warm White	18	50.000hrs	Ø 140 x Thickness 35

CEILING LIGHT WITH 20 WHITE LEDS
With Stainless Steel rim, glass lens.

Code	Diameter cm	Volt	Watt
4704 - 1	10,9	12	1,3
4704 - 2	14	12	1,3
4704 - 3	17	12	1,3

4705 - 1 - 2

4705 - 3

BRIGHT SLIM LED INTERIOR LIGHT
Stainless Steel. Without switch. With PC lens. For surface mount

Code	Dimensions mm	Volt	Watt	Leds	Type
4705-1	Ø 94 x H 11	12	1	16	Without Motion Sensor
4705-2	Ø 132 x H 10	12	2,26	28	Without Motion Sensor
4705-3	Ø 94 x H 11	12	1	16	With Motion Sensor

LED SENSOR INTERIOR LIGHT
Automatic ON in the dark.

Code	Dimensions mm	Volt	Watt
4700	Ø 63,5 x H 13	12	0,36

LIGHT LED
Made of chrome plated brass.

Code	LED	Light Color	Beam Angle	Volt	Watt	Lumen	Dimensions mm
1341*	6x 0,3W	Warm White	120°	12 V	1,8	60	Ø 97,5 Depth 36

*Available spare switch with code 1341-1.

CEILING LIGHT
Plastic, white with switch on-off. Offered with its lamp.

Code	Diameter cm	Volt	Watt
3189	15	12	15

CEILING LIGHT
Chrome plated plastic. Offered with lamp. With switch.

Code	Diameter cm	Volt	Watt
3671 - 1	15	12	Fluorescent : 10 Night light : 3

SURFACE MOUNT LIGHTS, ROUND AND SQUARE SHAPED

CEILING LIGHT
Stainless steel with on/off switch.
Heat resistant pattern non-glare light.
Offered with lamp.

Code	Diameter cm	Volt	Watt
1290*	11	12	10
1272	14	12	10
1293	17	12	15

*Available spare glass 1290-1 for the code 1290.

EXTERNAL CEILING LIGHT
Plastic, white. Offered with lamp.

Code	Dimensions Ø / mm	Volt	Watt
3526	66 x H 22	12	10

CEILING LIGHT
Brass plated plastic. Offered with lamp.
With switch.

Code	Diameter cm	Volt	Watt
3671 - 2	15	12	15

EXTERNAL CEILING LIGHT
With switch. Plastic, white.
Offered with lamp.

Code	Dimensions mm	Volt	Watt
3524	L 89 x W 67 x H 25	12	10

CEILING LIGHT
Waterproof, plastic. Offered with lamp.

Code	Diameter mm	Volt	Watt
3739	89	12	10

LED ROTATING COURTESY LIGHT
Plastic, with 8 Led lights.
Can be rotated 360°.

Code	Diameter mm	Volt	Watt
4492	40	12	1

OBLONG & STRIP TYPE LIGHTS

NEW

TURNING LEDRAIL WITH 30 LED
Waterproof IP65 Ledrail with 30 LED, turning 360°. 2 railclips, .2 tubeclips and 1 connector are included.

Code	Length	Led	Volt	Watt	Light
3584	470 mm	30 LED	12V	2W	Warm white

INTERIOR LIGHT LED
Made of ABS with PC shade. Push ON/OFF switch with Red LED indicator.

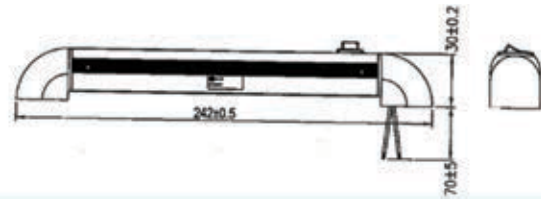| Code	LED	Volt	Watt	Lumen	Dimensions mm	Color
1298	6 x 1 W	12-24 V	6	240	L386 x H68,8 x D20,6	White

INTERIOR LIGHT
Compact fluorescent lamp, plastic ABS base with 3-positions rocker switch, surface mount .

Code	Volt	Watt	Dimensions mm	Color
4569	12V	11 W	L 295 x W 64 x H 33	White

OBLONG & STRIP TYPE LIGHTS

SWIVEL RAIL LIGHT LED
Plastic.

Code	LED	Type	Beam Angle	Volt	Watt	Lumen	Dimensions mm	Color
3496	8 x Flux LED	Can be turned by 180°	80°	12/24 V	0,9	13	L 242 x Depth30	Silver painting

SWIVEL RAIL LIGHT LED
Plastic.
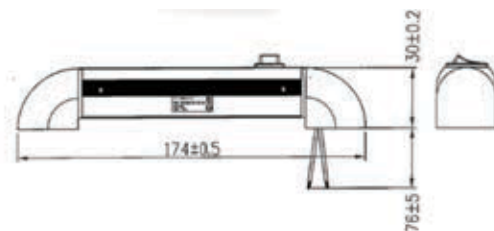
Code	LED	Type	Beam Angle	Volt	Watt	Lumen	Dimensions mm	Color
3494	4 x Flux LED	Can be turned by 180°	45°	12/24 V	0,6	8	L174 x W30 x H33	White
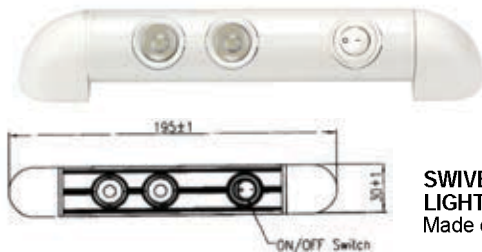
SWIVEL RAIL LIGHT LED
Made of aluminum alloy.
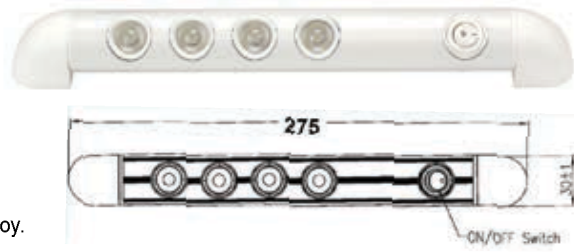
Code	LED	Type	Light Color	Beam Angle	Volt	Watt	Lumen	Dimensions mm	Color
3484-1	2 x 1W	Can be turned by 180°	White	25°	9-30V	2	100	L 195 x Depth30	White
3484-2	4 x 1W	Can be turned by 180°	White	30°	9-30V	4	230	L 275 x Depth30	White

STRIP LIGHT LED
Made of plastic (PVC) with PVC Mounting Ends with Screw Holes. Waterproof. With 30cm wires.
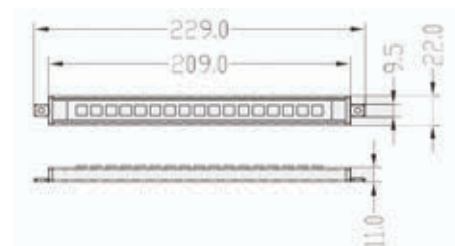
Code	LED	Light color	Beam Angle	Volt	Watt	Lumen	Dimensions mm
1329	17 SMD LED	Cool white	90°	12 V	1,8	40	L 209

297

OBLONG & STRIP TYPE LIGHTS

FLUORESENT LIGHT
Plastic with switch. Offered with lamp.

Code	Dimensions mm	Volt	Watt	Lamps
1299	L 380 x H 29 x Depth 65	12	8	2
3730	L 380 x H 30 x Depth 65	12	8	1

LED CABIN LIGHT
Plastic in silver-grey color

Code	Dimensions mm	Led	Volt
4568-2	L 295 x W 95 x D (Depth) 15	96	12

WATERPROOF LED STRIP
With 3M double-sided adhesive tape and 60 white LEDs in every 1 meter. 12Volt, 2,7 Amp of 5 meters.

Code	Dimensions
2414	L 5m x W 10mm

LIGHT RAIL PLASTIC REVOLVING COURTESY LED LIGHT
Plastic mount courtesy LED light with on/off mini rocker switch, turnable 270 degrees.

Code	Dimensions mm	Led	Volt
4501	L 300 mm x W 27 mm x H 26 mm	24	12
4501-1	L 470 x W 35 x H 31	30	12

INTERIOR LIGHT
With a round mini rocker switch and white plastic base. 24 super bright white LEDs

Code	Dimensions mm	Volt	Watt	Led
4905	L 390 x W 50 x H 36	12	8	24

FLUORESCENT LIGHT

Code	Dimensions mm	Volt	Watt
4499 - 1	L 595 x W 65	12	1 x 15
4499 - 2	L 485 x W 65	12	1 x 10

OVAL LIGHTS

COURTESY LIGHT LED
Plastic.
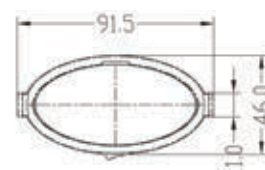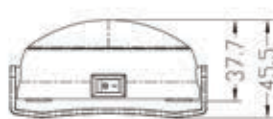
Code	LED	Beam Angle	Volt	Watt	Lumen	Dimensions mm	Color
3492	12 Flux LED	80°	12 V	1	22	L 91,5 x H 46 x Βάθος 37,7	White

OVAL LIGHTS

CABIN WALKWAY LIGHT
For use in walkways and deck areas.
Nylon, chrome plated in silver color. Bulb T8.

Code	Dimensions mm	Volt	Watt
2395	L 66,04 x H 38,1	12	3

OVAL DOME LIGHT ABS WITH 12 LED
plastic with silver color

Code	Dimensions mm	Cut dimen. mm	Volt	Watt
4668	L 87 x H 74 x D 30	Ø 59	12	10

INTERIOR LIGHT
Plastic. With 2 white Led lights.

Code	Dimensions mm	Volt	Watt
4495	L44 x H13 x Depth 20	12	0,23

INTERNAL CEILING LIGHT WITH LED
Ceiling light with LED and night light. 3-positions slide switch.

Code	Dimensions mm	Volt	Watt	Watt (night light)
4579	204 x 120 x 41	12	21	5

WATERPROOF CEILING LIGHT
Ceiling light with 4 LED for extra energy saving.

Code	Volt	Watt	Dimensions mm	Cut dimen. mm
2118	12/24 V	0,35	90 x 24,7 x 14,3	60 x 16

LED COURTESY LIGHT
White, with white LED lights, for great power economy of your boat and unlimited hours of use.

Code	Dimensions mm	Lamps	Volt	Watt
1292	L 70 x W 38 x H 10	5 Led	12	0,43

WATERPROOF FLUSH MOUNTING CEILING LIGHT
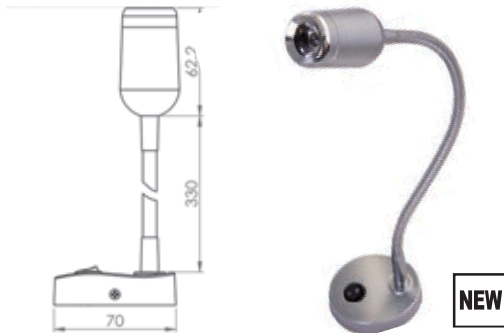With 2 Led lights and stainless steel frame. 12 Volt, 0,21W

Code	Dimensions mm	Light Beam
4497 - W	L85 x W30	WHITE

WATERPROOF FLUSH MOUNTING CEILING LIGHT
With 3 Led lights for ultimate power economy.

Code	Dimensions mm	Cut dimen. mm	Volt	Watt	Light Beam
4472 - W	L 84 x W 29	49 x 17	12	0,4	WHITE
4472 - Y	L 84 x W 29		12		YELLOW

299

READING & WALL LIGHTS

NEW

WAVE LED GOOSENECK READING LIGHT
This high power LED reading lights has a unique wave shape base design. It has built-in ON-OFF switch and bendable gooseneck.

Code	Volt	LED	Volt	Base diameter mm	Total length mm
3270	12	High power Led 1Watt	9-24V	Ø70	330

SWIVEL WALL LAMP
Chrome Plated Brass, with white Cloth Shade

Code	Volt	Watt	Dimensions mm
1284	12	20	Shade : H 136,5 x Top Ø 102 x Bottom Ø 158,7 Total Height including the base 273 mm

INTERIOR WALL LIGHT
Made of brass, fixed mount.

Code	Volt	Watt	Dimensions mm
1304	12	10	L 169, Ø 91

FLEXIBLE LED LIGHT
Plastic shade and base. Black painted steel arm. 8 LED lights included, with switch.

Code	Base Dimensions mm	Arm Dimensions mm	Volt	Watt
4713	L 52 x W 30 x H 26	Ø 11 x L 416	12	0,56W

FLEXIBLE LIGHT LED
Aluminum tubing. It comes with cigarette plug.

Code	LED	Light Color	Volt	Watt	Dimensions mm
2415	1 x 5mm	White	12	0,3	L 380

WALL LIGHT LED
Stainless steel with frosted glass shade.

Code	LED	Light color	Beam Angle	Volt	Watt	Lumen	Dimensions mm
1303	1 x 3 W	Warm White	110°	8-30 V	3	140	H 86,6 x depth 83 (base included)
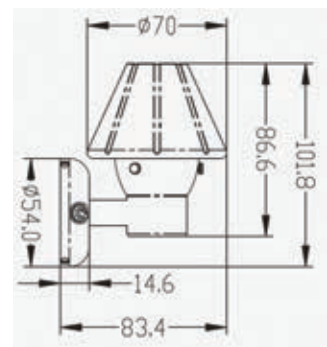
READING & WALL LIGHTS
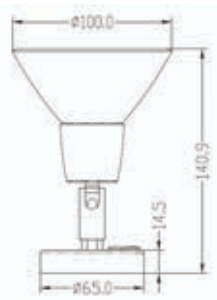
LED READING LIGHT

Code	LED	Light color	Beam Angle	Volt	Watt	Lumen	Dimensions mm	Color
1337	1x 3W	Warm White	110°	8-30 V	3,1	105	H140,9 Ø base 65 Ø Lamp 100	Chrome Plated Brass
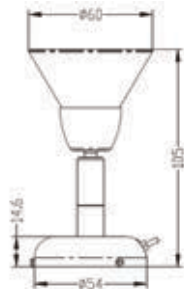
SWIVEL READING/WALL LIGHT LED
Stainless steel with frosted glass shade

Code	LED	Light color	Beam Angle	Volt	Watt	Lumen	Dimensions mm
1302	1 x 3 W	Warm White	110°	8-30 V	3	140	H 105, Ø 60
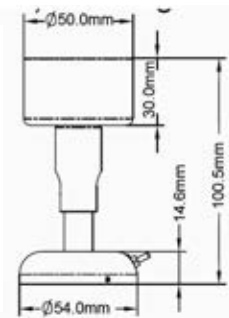
LED READING LIGHT
Chrome brass plated. With warm light, switch and moving head.

Code	LED	Light Colour	Beam Angle	Volt	Watt	Lumen	Dimensions mm
1301	1	Warm White	110°	12/24 V	3.1W	140	H 100,5 Ø Head 50 Ø Base 54

NEW

PULL-OUT TABLE LAMP FOR COCKPIT TABLES
The table lamp is made of plastic material, stainless steel pole with snap clutch. The power supply comes through the base with code 2907-1 (not included).

NEW

Code	Volt	Watt of Light	Dimensions mm
2907	12V	10W	180 x 340
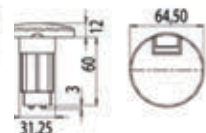
NEW

BASE OF TABLE LAMP
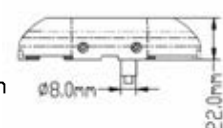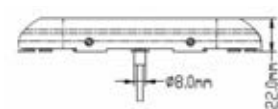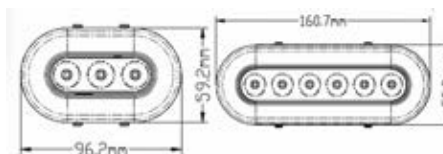The base is made of plastic with stainless steel cap. Suitable for code 2907

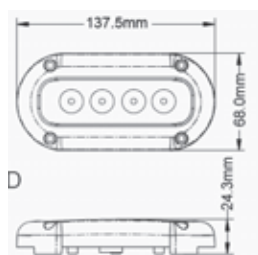| Code	Dimensions mm
2907-1	63x64x31

UNDERWATER LED LIGHTS
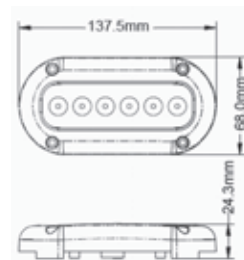
NEW

UNDERWATER LED LIGHT
It is made of anti-corrosion & chemically resistant polymer, waterproof IP68, surface mount, with 1,5 m wires. It can be mounted both above and under water.

Code	LED	Beam Angle	Volt	Watt	Lumen	LED Lifetime	Dimensions mm
3891-1W	3 "Samsung 3535" LED	120°	12/24 V	5,4W	460	50.000hrs	L 96, 2 x W 59,2 x 22 (Thickness)
3891-2W	6 "Samsung 3535" LED	120°	12/24 V	12W	710	50.000hrs	L 160,7 x W 59,2 x 22 (Thickness)

UNDERWATER LED LIGHTS
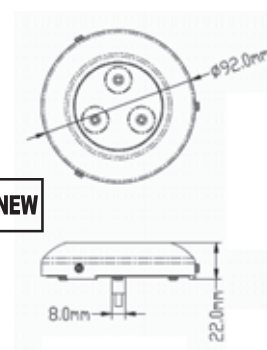

UNDERWATER LED LIGHT

Stainless steel 316, waterproof IP68, surface mount, with 1.5 m wires, LED Lifetime: 50.000 hrs. It can be mounted both above and under water.

| Code	LED	Beam Angle	Volt	Watt	Lumen	Dimensions mm
3875-1W	4 x 3W	120°	10/30V	10	372	L 137,5 x W 68 x Thickness 24,3
3875-2W	6 x 3W	120°	10/30V	14,2	603	L 137,5 x W 68 x Thickness 24,3

UNDERWATER LED LIGHT

It is made of anti-corrosion & chemically resistant polymer, waterproof IP68, surface mount, with 1.5 m wires. It can be mounted both above and under water.

Code	LED	Beam Angle	Volt	Watt	Lumen	LED Lifetime	Dimensions mm
3889-1W	3 "Samsung 3535" LED	120°	12/24 V	5,4W	363	50.000hrs	Ø 92 x Thickness 22
3889-2W	6 "Samsung 3535" LED	120°	12/24 V	12W	561	50.000hrs	Ø 92 x Thickness 22
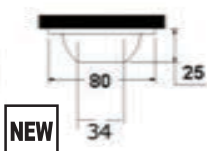
UNDERWATER LED LIGHT FOR GANG-PLANKS / UPPER STERN / BOTTOM

Made of mirror-polished AISI 316 stainless steel, it is equipped with 5 W high-power Led lights. It can be installed both above or under water since it is totally watertight.

Code	Watt	Volt	Colour
2305-W	5W	12/24	White
2305-BL	5W	12/24	Blue

WATERTIGHT LIGHT

Watertight, surface mount, made of aluminum 360 alloy and then hardcoated which can be paint, low profil, suitable and for underwater use, designed for the harsh saltwater environment. With LED lights which are brighter than a 55 W halogen bulb.

Code	LED	Dimensions mm	Volt	Watt	Amper
4356	4 Super Bright	H 31,75 x Ø 100	10-28	>55W Halogen type	4,6A

SURFACE MOUNT LED UNDERWATER LIGHT

Made of stainless steel, with 1,5m wires. Placed under the water line. LED light installed.

Code	LED	Dimensions mm	Volt	Watt
4707	4	Ø 94 x H 21	8-30 V	10,5

UNDERWATER LIGHT INOX

Underwater light flat mount, stainless steel, waterproof IP65 for external use with tempered glass lens.

Code	LED	Volt	Watt, Amps	Lumens	Dimens. mm	Beam angle	Color
4400	High Illumination LED with white light	12/24V	18 W, 0,75A	1800 Lumen	Ø159 x Height 33	100°	Silver

CABLES AND ACCESSORIES

FLEXIBLE PVC CABLES
Flexible stranded marine cable, single, double or triple core. Tinned copper conductors for corrosion resistance, PVC insulation with high durability under mechanical load, sea water, high temperatures, fuel, engine oils. CE certified. working voltage: 0,6/1 kV (acc. to IEC60092-353) working temperature : -40 to +90ºC

Code	no. of poles x cross section (mm^2)	Type	Color
3768-BLACK	1x 1 mm^2	single core	BLACK
3768-RED			RED
3767-BLACK			BLACK
3767-RED			RED
3767-WHITE			WHITE
3767-BLUE	1x 1,5 mm^2	single core	BLUE
3767-BROWN			BROWN
3767-GREY			GREY
3767-YELLOW			YELLOW
3766-BLACK			BLACK
3766-RED			RED
3766-WHITE			WHITE
3766-BLUE	1x 2,5 mm^2	single core	BLUE
3766-BROWN			BROWN
3766-GREY			GREY
3765-BLACK	1x 4 mm^2	single core	BLACK
3765-RED			RED
3770-BLACK	1x 6 mm^2	single core	BLACK
3770-RED			RED
3759-BLACK	1x 10 mm^2	single core	BLACK
3759-RED			RED
3769-BLACK	1x 16 mm^2	single core	BLACK
3769-RED			RED
3716-BLACK	1x 25 mm^2	single core	BLACK
3716-RED			RED
3715-BLACK	1x 35 mm^2	single core	BLACK
3715-RED			RED
3713-BLACK	1x 50 mm^2	single core	BLACK
3713-RED			RED
3710-1,5BLACK	2x 1,5 mm^2	double core	BLACK
3710-2,5BLACK	2x 2,5 mm^2	double core	BLACK
3709-1,5BLACK	3x 1,5 mm^2	triple core	BLACK
3709-2,5BLACK	3x 2,5 mm^2	triple core	BLACK

SPEAKER CABLE
Standard flat speaker cable (twin), cross section 2x0,75mm2. Flexible, multistranded. PVC insulated, copper conductors.

Code	no. of poles x cross section (mm2)	Type	Color
3708-1	2x0,75 mm2	twin cables	BLACK & RED

CABLES AND ACCESSORIES

MARINE CABLES.

Marine cables are made of tinned copper in order to provide maximum protection from corrosion and electrolysis. They are extremely flexible even in extreme conditions. They are covered with silicone so they can resist to sea water, battery fluids, gasoline and even UV rays. Operating Voltage 300V/500V, temperature range: -60°C up to 180°C (occasionally 200°C).

Code	CROSS SECTION mm²	AVAILABLE COLORS	TERMINAL COMPATIBILITY
4420	1	GREY(GR), BROWN(BR), RED(RD), YELLOW(Y), BLACK(BLACK), BLUE(BL), GREEN(GREEN)	Can be adjusted to all red terminals
4419	1,5	GREY(GR), BROWN(BR), RED(RD), YELLOW(Y), BLACK(BLACK), BLUE(BL),	Can be adjusted to all red and blue terminals
4418	2,5	GREY(GR), BROWN(BR), RED(RD), YELLOW(Y), BLACK(BLACK), BLUE(BL), GREEN(GREEN)	Can be adjusted to all blue terminals
4417	4	RED(RD), BLACK(BLACK)	Can be adjusted to all yellow terminals
4416	6	RED(RD), BLACK(BLACK)	Can be adjusted to all yellow terminals
4415	10	RED(RD), BLACK(BLACK)	
4414	25	RED(RD)	
4413	35	RED(RD)	

Code	Type	Number of cores x Cross Section mm²
4030	2 CORES	2 x 1,5
4031	2 CORES	2 x 2,5
4032	3 CORES	3 x 1,5
4033	3 CORES	3 x 2,5

SILICONE CABLES

(-50°C up to +180°C) OLFLEX® HEAT 180 SiHF CE RoHS
Good flexibility ease the installation where space is limited. Possess still insulating properties after combustion due to remaining SiO2 ash on the conductor. Resistant against a multitude of oils, alcohols and chemical media
Fine strands of tinned copper wires. Silicone based core insulation. Cores twisted in layers. Silicone based outer sheath, colour red-brown
Specific insulation resistance >200 GOhm x cm,
Rated voltage U0/U 300/500 V, Range of temperature -50 °C up to +180 °C
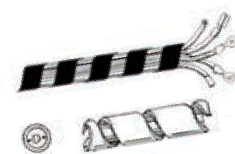
PLASTIC CABLE TUBES
Length of roll : 30m
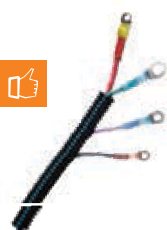
Code	Diameter mm	Color
4423 - 19	19	Black
4423 - 25	25	Black

SPIRAL CABLE WRAP
Length of roll : 30m

Code	Diameter mm	Color
4422 - 19	19	Black

TIE WRAP FOR GENERAL USE
Transparent.

Code	Dimensions mm
846 - 1	L 80 x W 2,5
846 - 2	L 200 x W 2,5
846 - 3	L 150 x W 3,6
846 - 4	L 200 x W 4,8
846 - 5	L 103 x W 4,8
846 - 6	L 200 x W 7,6
846 - 7	L 300 x W 7,6

WIRE HOLDERS

Code	Thickness inch	Thickness mm
4633-2	3/16"	5
4633-6	1/4"	6
4633-8	5/16"	8
4633-10	3/8"	10

SPIRAL REINFORCED DUCTING HOSE
Made of polyethylene.
Length 10 m.

Code	D mm
4256 - 7	7
4256 - 13	13
4256 - 16	16,4

Code 3356
POLARIZED CONNECTOR FOR CABLE

Code 4971
WATERPROOF HOLDER
With rubber ring.
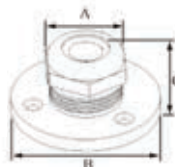
CABLE OUTLET
Stainless Steel.

Code	A mm	B mm	C mm	Cable Diam. mm
1389	22	49	21	4 - 11

CABLES AND ACCESSORIES

The red (R) terminals fit to cables with cross-section 0.5 - 1.5 square mm, the blue (BL) terminals fit to cables with cross-section 1.5 - 2.5 square mm and the yellow terminals (Y) fit to cables with cross-section 4-6 square mm.

HEAT SHRINK RING TYPE TERMINALS

Code	Color	Diam. mm	Pack. Pcs.
4363 - 4R	RED	4,3	50
4363 - 5R	RED	5,3	50
4363 - 6R	RED	6,4	40
4363 - 8R	RED	8,4	30
4363 - 10R	RED	10,5	30
4363 - 4BL	BLUE	4,3	50
4363 - 5BL	BLUE	5,3	50
4363 - 6BL	BLUE	6,4	40
4363 - 8BL	BLUE	8,4	30
4363 - 10BL	BLUE	10,5	30
4363 - 4Y	YELLOW	4,3	30
4363 - 5Y	YELLOW	5,3	30
4363 - 6Y	YELLOW	6,4	30
4363 - 8Y	YELLOW	8,4	30
4363 - 10Y	YELLOW	10,5	30

HEAT SHRINK FORK TYPE TERMINALS

Code	Color	Diam. mm	Pack. Pcs.
4364 - 4R	RED	4,3	50
4364 - 5R	RED	5,3	50
4364 - 4BL	BLUE	4,3	50
4364 - 5BL	BLUE	5,3	50
4364 - 4Y	YELLOW	4,3	50
4364 - 5Y	YELLOW	5,3	50

HEAT SHRINK MALE DISCONNECTOR TERMINALS

Code	Color	Diam. mm	Pack. Pcs.
4367 - 1R	RED	6,3	50
4367 - 2BL	BLUE	6,3	50
4367 - 5Y	YELLOW	6,3	30

HEAT SHRINK FEMALE DISCONNECTOR TERMINALS

Code	Color	Diam. mm	Pack. Pcs.
4365 - 1R	RED	6,3	50
4365 - 2BL	BLUE	6,3	50
4365 - 5Y	YELLOW	6,3	30

HEAT SHRINK FULLY INSULATED FEMALE DISCONNECTOR TERMINALS

Code	Color	Diam. mm	Pack. Pcs.
4370 - 1R	RED	6,3	50
4370 - 2BL	BLUE	6,3	50
4370 - 5Y	YELLOW	6,3	30

HEAT SHRINK BULLET TYPE MALE DISCONNECTOR TERMINALS

Code	Color	Diam. mm	Pack. Pcs.
4368 - 1R	RED	6,3	50
4368 - 2BL	BLUE	6,3	50
4368 - 5Y	YELLOW	6,3	30

HEAT SHRINK BULLET TYPE FEMALE DISCONNECTOR TERMINALS

Code	Color	Diam. mm	Pack. Pcs.
4369 - 1R	RED	6,3	50
4369 - 2BL	BLUE	6,3	50
4369 - 5Y	YELLOW	6,3	30

HEAT SHRINK BUTT TYPE TERMINALS

Code	Color	Diam. mm	Pack. Pcs.
4366 - 1R	RED	1,7	50
4366 - 2BL	BLUE	2,3	50
4366 - 5Y	YELLOW	3,4	30

EXTENTION CORDS & MARINE SOCKETS

Code 2858
POWER INLET "MALE"
Stainless steel. 16A, 220V. Equipped with easy lock system and rear safety enclosure. Suitable for code 2857-2.

Code 2857-2
FEMALE CONNECTOR
16A, 220V. Corrosion resistant terminals and contacts.

Code 2857-3
SOCKET COVER
Waterproof, with sealing ring. For code 2857-2.

Code 2857-1
POWER INLET
Glass-filled polyester. Watertight. 16A, 220V. Equipped with easy lock system and rear safety enclosure. Suitable for code 2857-2.

Code 2859-2
FEMALE CONNECTOR
32A, 220V. Corrosion resistant terminals and contacts.

Code 2859-3
SOCKET COVER
Waterproof, with sealing ring. For code 2859-2.

NEW

FEMALE PLUG WITH COVER
CE, IP 54
International Standard Scuko, conformed to European/International Standards EN/IEC 60309-2

Code	Volt	Amps
3589	200-250 V	16A

POWER SOCKETS
Waterproof IP67.

2621   1297

Code	Description	Type	Amp	Volt	Color
1297	3- pole	Male	32A	220 V	Blue
2621	3- pole	Female with safety cover	32A	220 V	Blue

EXTENSION CORD WITH SCHUKO & FEMALE SOCKET

Code	Volt	Amp
2861	220V Male	16A Female
2861-1		32A Female

POWER SOCKETS
3poles, waterproof, UV resistance, polycarbonate. IP44

4639*   4883*

Code	Description ή	Type	Amp	Volt	Color
4883-1	3- pole	Female with safety cover	16A	220 V	Blue
4883-2	3- pole	Female with safety cover	32A	220 V	Blue
4639-1	3- pole	Male	16A	220 V	Blue
4639-2	3- pole	Male	32A	220 V	Blue

4878   4879

POWER SOCKETS
Color : blue IP67

Code	Description	Type	Amp	Volt	
4878	3- pole	Male	220V	16A	With safety connector
4879	3- pole	Female			With safety cover

EXTENSION CORDS
MARINE TYPE CEE
With male-female power socket.

Code	Length	Volt	Amp
3576-15	15m	230V	16A
3576-20	20m	230V	16A
4062-15	15m	230V	32A
4062-20	20m	230V	32A

MARINE CONNECTOR INOX
Waterproof, 3pole, 250 Volt.

Code	Amps
4637-16	16
4637-32	32

EXTENSION CORDS

Code	Length	Thickness	Volt	Amp
4619-1	7,5m	6 m²	230 V	16A
4619-2	15m	6 m²	230 V	16A

EXTENTION CORDS & MARINE SOCKETS

Code 2856-2
CONNECTOR MALE & FEMALE
2 Poles. 12V or 24 V.

Code 2856-4
CONNECTOR MALE & FEMALE
4 Poles. 12V or 24 V.

Code 1401 - 4
ELECTRIC PLASTIC TERMINAL 4 POLES, FEMALE
Plastic socket with cap 3A-4PIN.

1380

1381

PLUG AND SOCKET 12V

Code	Type
1380	Plug
1381	Socket

Code 1579
ELECTRIC SOCKET WITH CIRCLE BASE 12V
With protective cap.

Code 1580
ELECTRIC PLUG 12V

Code 1619
ELECTRIC KIT 12V
Electric socket – plug and circle base. Blister package

DOUBLE SOCKET WITH PANEL
Watertight double socket

Mounting hole
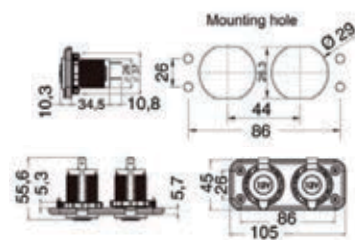
Code	Volt	Dimensions mm
953	12 V	105 x 45

WATERPROOF CONNECTOR
Made of brass with plastic cap.

Code	Volt	Type
1384 - 32	12 V	3A - 2PIN
1384 - 33	12 V	3A - 3PIN
1384 - 52	12 V	5A - 2PIN

Code 3143
CIGARETTE LIGHTER 12V
With plate and wire.

Code 3551
DOUBLE CIGARETTE LIGHT SOCKET 12V

4482

4483

PLUG AND SOCKET 12V

Code	Type
4482	Plug
4483	Socket

Code 1354
TWIN SOCKET WITH 2 USB CHARGER PORTS
For connecting to cigarette lighter. It provides 2 cigarette sockets and 2 USB ports. Adjustable Direction 4-degree, with Blue LED Indicator Light. Color white. 12V, 2A

BUS BARS & TERMINALS

HEAVY-DUTY MODULAR DESIGN DUAL BUS BARS WITH CONNECTING LINK

Heavy-duty dual bus bar with removable connecting link. Made of glass fiber reinforced nylon base and enclosure that ensures great mechanical strength and durability and nickel plated brass bus bar that allows current up to 100A. The module box design ensures easy wiring configurations. Removable windows for unobstructed wiring and blank write-on space on the top allows easy labeling for each branch

NEW

Code	Type	Max amperage A	Max Voltage V	Dimensions mm
3259	4 studs x 10mm + 12 screws x 4mm	100 A	48 V	138 x 69 x 44.5

HEAVY-DUTY MODULE DESIGN BUS BAR BOX WITH 4 TERMINAL STUDS

Heavy-duty module design bus bar box with 4 terminal studs with glass fiber reinforced nylon base and enclosure that ensures great mechanical strength and durability. The bus material is brass and nickel plated. It is designed with removable windows for unobstructed wiring while blank write-on space on the top allows easy labeling for each branch.

NEW

Code	Type	Max Amperage A	Max Voltage V	Dimensions mm
3254	4 studs x 10mm	300 A	48 V	138 x 69 x 44.5

BUS-BAR ELECTRIC TERMINAL BOARD

High insulating capacity ABS base, Made of Tin Plated Copper support bar, for DC

NEW

Code	Type	Volt	Amps	Dimensions mm
3125-1	4P		150A	L 152,4 x W 31,75 x H 34,93
3125-2	10P	10-30	150A	L 152,4 x W 31,75 x H 34,93
3125-3	12P		250A	L 193,7 x W 38,1 x H 41,3

ELECTRICAL CABLES TERMINALS

Separators for accidental contacts, nickel plated brass terminals.

NEW

Code	No. of terminals	Volt	Amps	Dimensions mm
3139-1	6	10-30	20A	L 90 x W 30
3139-2	8		20A	L 100 x W 30

TERMINAL BLOCK

Nylon W/ Carbon base.

Code	Positions	Max Amps in every block	Max Volt	Dimensions mm
3244 - 4	4			38 x 76
3244 - 6	6	60	32	38 x 114
3244 - 8	8			38 x 152

HEAVY-DUTY MODULAR DESIGN TERMINAL STUDS WITH INSULATION PARTITION

The heavy-duty modular design terminal studs with insulation partition allows terminating of heavy-duty cables for one or more connections. Made of glass fiber reinforced nylon base and enclosure that ensures great mechanical strength and durability and nickel plated brass bus bar that allows current up to 200A. Removable windows for unobstructed wiring and blank write-on space on the top allows easy labeling for each branch

NEW

Code	Type	Max amperage A	Max Voltage	Dimensions mm
3266	4 studs x 10mm	200 A	48 V	138 x 69 x 44,5

HEAVY-DUTY MODULE DESIGN BUS BAR BOX WITH 2 TERMINAL STUDS

Heavy-duty module design bus bar box with 2 M10 terminal studs and 6 screws, with glass fiber reinforced nylon base and enclosure that ensures great mechanical strength and durability. The bus material is brass and nickel plated. It is designed with removable windows for unobstructed wiring while blank write-on space on the top allows easy labeling for each branch.

NEW

Code	Type	Max Amperage A	Max Voltage V	Διαστάσεις mm
3255	2 τερματικά x 10mm + 6 βίδες διακλάδωσης x 5mm	300 A	48 V	138 x 69 x 44,5

DUAL HEAVY-DUTY TERMINAL STUDS WITH ISOLATING PLATE

Dual heavy-duty terminal studs with isolating plate that allow terminating of heavy-duty cables for two or more connections. Red or Black color in 2 sizes (M8/M10). Made of glass fiber reinforced nylon base that ensures great mechanical strength and durability.

NEW

Code	Type	Max Voltage V	Dimensions mm
3268-1	M8x2 BLACK	48V	43 x 45,3 x 31
3268-2	M8x2 RED		
3268-3	M10x2 BLACK		43 x 45,3 x 34
3268-4	M10x2 RED		

SINGLE HEAVY-DUTY TERMINAL STUDS

NEW

Single heavy-duty terminal studs that allow terminating of heavy-duty cables for one or more connections. Red or Black color in 2 sizes (M8/M10). Made of glass fiber reinforced nylon base that ensures great mechanical strength and durability.

Code	Type	Max Voltage V	Dimensions mm
3267-1	M8 BLACK	48V	43 x 45,3 x 31
3267-2	M8 RED		
3267-3	M10 BLACK		43 x 45,3 x 34
3267-4	M10 RED		

ELECTRICAL EQUIPMENT

SWITCH PANELS / FUSE HOLDERS / FUSES

NEW

MEMBRANE TOUCH ELECTRIC CONTROL PANEL

The innovative membrane switch panel with remotely installed control box provides maximum flexibility for electrical wiring. Thanks to the compact panel size, there is always a place for the control panel in any crowded dashboard. The whole-sealed nature of the membrane touch panel makes these panels also our most water-proof and dust-proof panels (IP67).

Features
• Ultra compact panel size, 75% smaller than tra
ditional switch panels of the same number of positions
• Easy to install; almost no mounting depth required
• Soft and flexible panel that suits even curved surface
• IP67–protected against temporary immersion in water
• Remotely installed control box (up to 1m away from the touch panel) provides maximum flexibility for wiring
• ON-indicating LED and 10A PPTC for each branch
• 40 (20 text + 20 graphic) assorted label set included
• Circuit Protection | Built-in Resettable Fuse (PPTC)
• Panel Ratings | 10A per branch at DC 12V. Max Cumulative Amp | 35A (6P)
(Max possible Amperage for each panel is determined by the lower of total switches ratings or the Max Cumulative Amperage listed above)
Set includes
• Touch control panel 6 or 12 positions
• Remote control box
• 40 (20 text + 20 graphic) assorted label
• Connecting cable DIP, 1 m.

Code	Type	Touch panel dimensions Width x Height	Panel cut-out dimensions Width x Length	Volt	Control box dimensions Length x Width x Height
3209-6	6 positions	70 x 62,5 mm	35 x 15 mm	12	136 x 90 x 32 mm
3209-12	12 positions	130 x 75 mm	35 x 15 mm		136 x 90 x 59 mm

NEW

WATERPROOF SWITCH PANELS WITH LED

Waterproof switch panel with wave series facelift design and auto reset circuit breaker. Suitable voltage : 12VDC

Code	Type	Cut out dimensions mm	External Dimensions mm
4960-4	With 4 switches	L110 x W92	L128 x W100
4960-6	With 6 switches	L166 x W92	L184 x W100

WATERPROOF SWITCH PANEL
With led bulb. Made of ABS. 12 / 24V and 15 A fuses.

Code	Type	Dimensions mm
4479 - 4	With 4 switches	L110 x W107
4479 - 6	With 6 switches	L170 x W120

WATERPROOF SWITCH PANELS
Made of anodized aluminium with leds and automatic fuses.

Code	Type	Max Volt in every switch	Max amps in every switch	Dimensions mm
1358 - 3	With 3 switches	12V	16A	W133 x H95
1358 - 6	With 6 switches			W133 x H190

ELECTRICAL EQUIPMENT

SWITCH PANELS / FUSE HOLDERS / FUSES

4720 - 6

4720 - 4

WATERPROOF SWITCH PANEL
Wave design. Made of ABS. With led illuminated switches and automatic fuses.

Code	Type	Max Volt	Max Amps in every switch	Dimensions mm
4720 - 4	With 4 switches	12	10	L 110 x W 100
4720 - 6	With 6 switches			L 160 x W 100

WATERPROOF SWITCH PANEL
Wave design. Made of ABS. With 3 led illuminated switches, automatic fuses and a cigarette socket.

Code	Max Volt	Max Amps in every switch	Dimensions mm
4721	32	10	L 125 x W 100

WATERPROOF SWITCH PANEL
Wave design. Made of ABS. With 3 led illuminated switches, automatic fuses and a current meter.

Code	Max Volt	Max Amps in every switch	Dimensions mm
4722	32	10	L 110 x W 100

WATERPROOF SWITCH PANELS
Plastic with neoprene cap. Suitable voltage : 12VDC Blade type fuses Universal 19 x 5,5 mm.

Code	Type	Dimensions mm
1352 - 4B	Black - 4 switches	108 x 95
1352 - 4WH	White - 4 switches	
1352 - 6B	Black - 6 switches	108 x 124
1352 - 6WH	White - 6 switches	

WATERPROOF SWITCH PANEL
Made of aluminum, with 3 switches. Includes cigarette lighter socket, voltmeter and automatic fuses. Suitable voltage : 12VDC

Code	Dimensions mm
1363 - 3	L190 x W133

WATERPROOF SWITCH PANELS
With rubber caps and fuses 10 Amp.

Code	Type	Volt	Dimens. mm
3242 - 3	With 3 rubber caps	12	L94 x W70
3242 - 4	With 4 rubber caps		L125 x W100

WATERPROOF SWITCH PANELS
With the automatic fuses and lighted switches. It is combined with the codes 1377-1, 1377-2, 1377-3. Suitable voltage : 12VDC

Code	Type	Dimensions mm
3458 - 3	With 3 switches	L90 x W90
3458 - 6	With 6 switches	L170 x W90

Code 3458
SILICONE RUBBER SPARE CUP
For codes 3458-3 and 3458-6, 1377-1, 1377-2, 1377-3.

CIRCUIT BREAKER
It can be combined with the silicone rubber cup with code 3458. Spare part for codes 3458-3, 3458-6, 3458, 3459.

Code	Amps	Poles
1377-1	5A	
1377-2	10A	2
1377-3	15A	

WATERPROOF SWITCH PANEL
With 5 switces and lighter socket. With the automatic fuses and lighted switches. It is combined with the codes 1377-1, 1377-2, 1377-3. Suitable voltage : 12VDC

Code	Dimensions mm
3459	L170 x W90

SWITCH PANELS / FUSE HOLDERS / FUSES

WATERPROOF SWITCH PANEL
Made of aluminum with 4 lighted switches.
Suitable voltage : 12VDC

Code	Dimensions mm
1363 - 4	L133 x W95

WATERPROOF SWITCHES
With led bulb. Spare part for code 1363-4.

Code	Type	Dimensions mm
1386	ON/OFF	L 46 x W 24
1387	ON/OFF/ AUTO ON	L 46 x W 24

SWITCH PANEL
Aluminium plate with 6 illuminated switches 12V and circuit breaker.

Code	Dimensions mm
1353	L 167 x W 117

Code 1376
SWITCH FOR PANEL
With led bulb. Spare part for codes 1353, 1355.

WATERPROOF SWITCH PANEL
Made of aluminium, rubber booted, with five water resistant switches, cigarette lighter socket. Each circuit separately fused for 10 Amp 12V DC.

Code	Dimensions mm
3245	L170 x W 70

SWITCH PANEL WITH 6 SWITCHES
With fuse holders and illuminated switches, 12V.

Code	Type	Dimensions mm
1355	With 6 rubber caps	L 167 x W 115

SWITCH PANELS
With fuse holders.
Suitable voltage : 12VDC

Code	Type	Dimensions mm
1351 - 3	With 3 switches	L 93 x W 115
1351 - 6	With 6 switches	L 165 x W 115

Code 1364
FUSE HOLDER
For code 1351. 15 Amp.

WATERPROOF SWITCHES
With led bulb and fuses 10Amp. Suitable voltage : 12VDC

Code	Type	Dimen. mm
3239-3	With 3 rubber caps	L102 x W100
3239-4	With 4 rubber caps	L125 x W100
3239-6	With 6 rubber caps	L170 x W100

SWITCHES 12V – 20A
Available with its cover.

Code	Positions	Type
1589	0 Stable 1 Stable	TWO POSITIONS
1591	0 Stable 1 Momentary	
1590	0 Stable 1 Stable 2 Stable	THREE POSITIONS
1594	0 Momentary 1 Stable 2 Momentary	
1595	0 Momentary 1 Stable 2 Stable	

Code 1620
STICKERS FOR ELECTRICAL SWITCHES / SET 25 STICKERS

Code 1603
CENTRAL BASE
Suitable for codes:
1589, 1591, 1590, 1594, 1595.

Code 1604
RIGHT OR LEFT BASE
Suitable for codes:1589, 1591, 1590, 1594, 1595.

COVER FOR SWITCH
For better water proofing. Spare part for codes 3242, 3245, 3239, 1352.

Code	Dimensions Ø/mm
1372 - 10	10
1372 - 12	12

SWITCH PANELS / FUSE HOLDERS / FUSES

3-WAY LIGHTED ROCKER PANEL SWITCH

Controls any pump equipped with an automatic float switch. This unit features a black plastic panel. It has a built-in fuse holder and an internally lighted rocker switch with 3 positions (automatic, off, or manual) with the Rule "fail-safe" spring return to "off" from the "manual" position.

Code	Type	Volt	Amp	Dimensions mm
1382	Auto / Off / Manual	12	20	H 6 x W 7,3

WIRELESS REMOTE CONTROL

Allows the operation of various 12V electric devices.

Code	Type	Range m
4477 - 1	For 1 device	20
4477 - 2	For 2 devices	20

SAFETY PROTECTOR PANEL

Safety Protector Panel 12V. It features 3-way rocker switch,(Manual-Off-Automatic) to control and protect any pump with an automatic float switch. Equipped with a built-in solid state relay that takes current up to 40 amps and prevents impact from intermittent high current. Interchangeable fuses for options and easy replacement. Its use is necessary with pumps and float switch higher than 10 amps. Panel and fuse case with 5 fuses (5, 10, 20, 25,30A one piece each fuse)

Code	Volt	Dimensions mm
3946	12V	L 116 x H 87

WATERPROOF PUMP SWITCH

With led bulb.

Code	Type	Dimensions mm
1373	Auto / Off / Manual	89 x 51

DIMMER

Made of plastic. Max lamp rating 80W. Will cut power at large current deviations.

Code	Dimensions mm	Depth mm	Volt
4490	L 60 x W 60	15	12 / 24

HEAVY DUTY BRASS TOGGLE SWITCH

NEW

Heavy duty toggle switch.

Code	Volt - Amps	Type	Application
3269-2	125VAC - 15A, 250VAC - 10A, 12VDC - 15A, 24VDC - 10A	2 positions ON-OFF	horns, pumps etc
3269-3	125VAC - 15A, 250VAC - 10A, 12VDC - 15A, 24VDC - 10A	3 positions ON-OFF-ON	winches, flaps,trim tabs etc

BILGE WATER PUMP SWITCH

Three way: Auto - off - Manual. Led operation light, spare fuse L 30mm, 5A.

Code	Dimensions mm
1357	L 89 x W 50

Code 1410 SWITCH
27 x 17,05mm white plastic.

Code 1383 PUSH BUTTON
Rubber and waterproof.
Cut diameter : 22 mm
External diameter : 30 mm

Code 1379 ON-OFF SWITCH 2 POSITION 12V-16A
With led indicator light.

Code 1390 ON/OFF/ON SWITCH 3 POSITIONS
Waterproof.

Code 3938-10 WATERTIGHT ON-OFF SWITCH 2 POSITIONS 12V 10A Brass chrome plated.

Code 1374 ON-OFF SWITCH 2 POSITION 12V 10A
Brass chrome plated. Can be attached with cover code. 01372-12.

BRASS PUSH SWITCH BUTTON 12V

With rubber cap.

Code	Dimensions mm	Diameter mm
1371	L 32	16

BRASS PUSH PULL SWITCH - 2 POSITION 12V-20A

With brass chrome plated plastic knob.

Code	Dimensions mm	Diameter mm
1370	L 30	9,5

BRASS PUSH PULL SWITCH 3 POSITION 12V-20A

With chromed plated plastic knob.

Code	Dimensions mm	Diameter mm
1378	L 50	9,5

SWITCH PANELS / FUSE HOLDERS / FUSES

SWITCH 3 POSITIONS
Brass with key.
It is three connection points

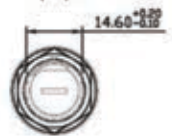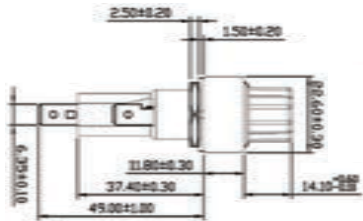| Code	Dimensions mm	Diameter mm
3940	L 64	20

CIRCUIT BREAKER

Code	Amps
1395-1	5A
1395-2	10A
1395-3	15A
1395-4	20A
1395-5	25A
1395-6	30A

GLASS FUSE HOLDER
With one LED Indicator that shows when the fuse is burned.

Code	Volt	Amps	Dimensions mm
1369	32 V DC	20A	Overall Height 74,9 x Glass Cup Ø 14,6

AUTOMATIC FUSE
With waterproof cover. For codes 3458, 3459.

Code	Amper	Dimensions mm
1391 - 05	5 A	
1391 - 10	10 A	
1391 - 15	15 A	31 x 14,6 x 35
1391 - 20	20 A	Ø 12
1391 - 40	40 A	
1391 - 60	60 A	

FUSE HOLDER
Suitable fuse : Glass type 6,35 X 30mm"

Code	Dimensions mm
1388	L 200
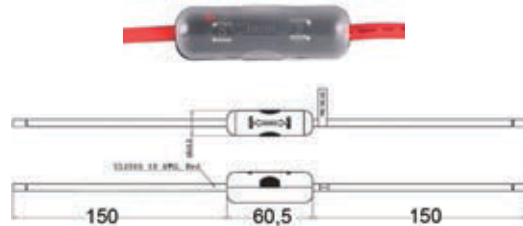
GLASS FUSE HOLDER,
With one Red LED indicator that is ON when the fuse is burned. Suitable fuse : Glass type 6,35 X 30mm

Code	Amps	Volt	Dimensions mm
1365	30	12	L 60,5 x W 18

FUSES FOR PANELS

Code	Amper	Dimen. mm	Ø mm
1888 - 06	6	L 20	5
1888 - 10	10	L 20	5
1888 - 15	15	L 20	5
1888 - 20	20	L 20	5
1891 - 06	6	L 30	6,35
1891 - 10	10	L 30	6,35
1891 - 15	15	L 30	6,35
1891 - 20	20	L 30	6,35

FUSE HOLDER 30A
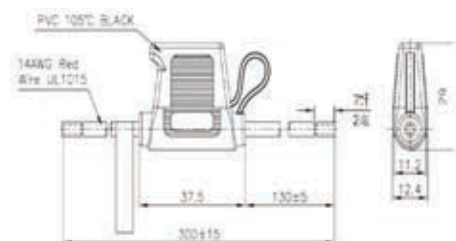Waterproof made of PV
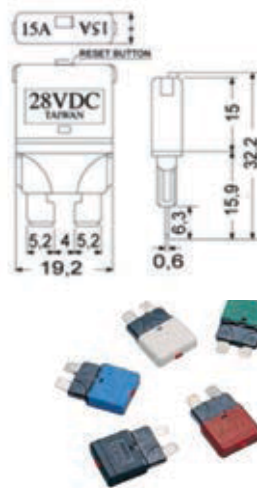Suitable fuse Blade type mini 19 x 5,5mm

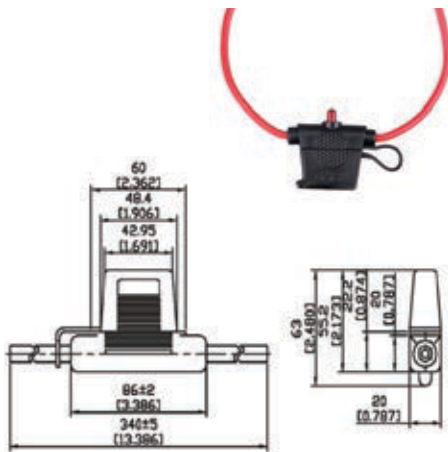| Code	Dimensions mm
3354	L 310
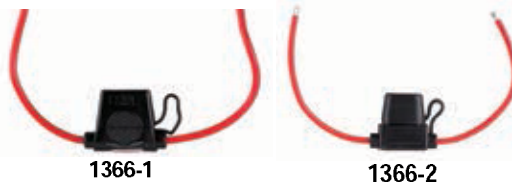
1366-1

1366-2

FUSE HOLDERS
Waterproof, with wires 260mm long.

Code	Amps	Volt	Dimensions mm	For Fuse Type
1366-1	30A	32V DC	W 46	Blade fuse universal 19 x 5,5mm
1366-2	30A	32V DC	W 37,5	Mini Blade

SWITCH PANELS / FUSE HOLDERS / FUSES

FUSE HOLDERS
Waterproof with 1 Red LED Indicator

Code	Amps	Volt	For Fuse Type
1375-1	12/24 V DC	20A-60A Max	Blade type maxi 29 x 8,8mm
1375-2	12/24 V DC	25A	Blade Fuse
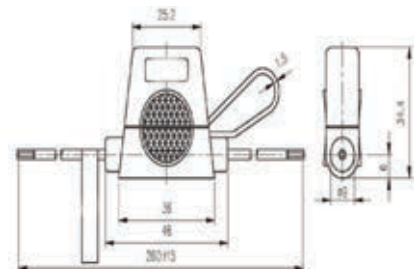
RESETTABLE BLADE FUSES
Standard resetting by pushing the manual head button. Suitable for fuse holder box with code 1419-2. Suitable for any fuse holder of blade type universal 19 x 5,5mm that has no height limitation.

Code	Amps	Volt
953-1	5 A	
953-2	10 A	12/24V
953-3	15 A	
953-4	20 A	

NEW FUSE

Code	Volt	Amp
990-1		5A
990-2	32V	10A
990-3		15A
990-4		20A

FUSE/TERMINAL BLOCK
Nylon W/ Carbon base.
Suitable fuse glass type 6,35 X 30mm

Code	Positions	Dimensions mm
3240 - 4	4	84 x 96
3240 - 6	6	84 x 114
3240 - 8	8	84 x 152

BREAKER AND FUSE BLOCKS
Suitable fuse blade type universal 19 x 5,5mm. Fitted with clear cover and sealing gasket; bayonet terminals.

Code	Volt	Fuses
3148	12	6

FUSE HOLDER BOX WITH TRANSPARENT SNAP COVER
Made of polycarbonate with silver-plated phosphor bronze connections.

Code	Amps		Dimensions mm	For fuse	Volt	Fuse housing
	Total Max amperage	Max for each fuse				
1419-1	100A max	20A	125 x 85	Blade type universal 19 x 5,5 mm	12/24V	6
1419-2				Resettable fuse		

FUSE HOLDERS FOR MINI BLADE FUSES
With clear insulating cover design for water and dust proof. Easy to open by pressing the latch. It has a red LED Indicator that shows when the fuse is broken.
Max voltage : 32VDC
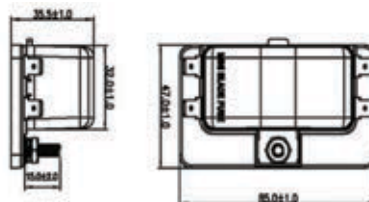
Code	Amps Input	Amps Output	Dimensions mm	For Fuse	Materials	Gang
1367-1			H 85 x W 47			4
1367-2	100A max	30A max per circuit	H 85 x W 63	Mini blade fuse 11.2 x 4mm	Base made of PBT (thermoplastic engineering polymer, an insulator) Cup made of PC (polycarbonate)	6
1367-3			H 85 x W 97			10

SWITCH PANELS / FUSE HOLDERS / FUSES

FUSE HOLDERS FOR MICRO BLADE FUSES

With clear insulating cover design for water and dust proof. Easy to open by pressing the latch. It has a red LED Indicator that shows when the fuse is broken. Max voltage : 32VDC
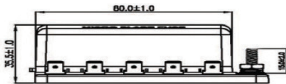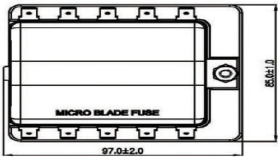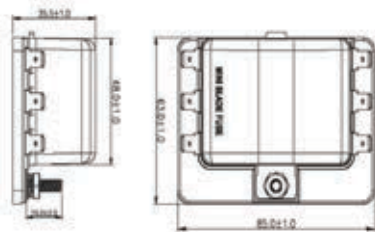
Κωδικός	Amps Input	Amps Output	Diemensions mm	For Fuse	Materials	Gang
1328	100A max	30A max per circuit	H 85 x W 97	Blade fuse mini 19 x 5,5mm	Base made of PBT (thermo-plastic engineering polymer, an insulator) Cup made of PC (polycarbonate)	10

FUSE HOLDERS FOR BLADE FUSES

With clear insulating cover design for water and dust proof. Easy to open by pressing the latch. It has a red LED Indicator that shows when the fuse is broken. Max voltage : 32VDC
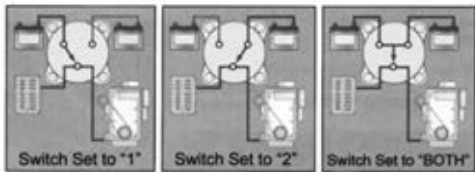
Code	Amps Input	Amps Output	Dimensions mm	For Fuse	Materials	Gang
1321-1			H 85 x W 47			4
1321-2	100A max	30A max per circuit	H 85 x W 63	Blade fuse universal 19 x 5,5mm	Base made of PBT (thermo-plastic engineering polymer, an insulator) Cup made of PC (polycarbonate)	6
1321-3			H 85 x W 97			10

BATTERY SWITCHES

NEW

Switch Set to "1" Switch Set to "2" Switch Set to "BOTH"

BATTERY SWITCH

Can use batteries alternatively or simultaneously; fitted with copper contacts, stainless steel springs, PC/PTB/Fiberglass flame resistant casing, protective cable base; extra ring-nut for flush mounting (Ø size 95 mm); type approved by ISO 8846 MARINE EN 28846. "MK II" version. selectable options: bank/battery "1", bank/battery "2" or 1+2 simultaneously. Includes device that disconnects the alternator power automatically if is under the "OFF" position without switching off the engines; type-approval no. DIP006907SP.

Code	Version	Power A		Volt	Function	Pick up	Base mm	Height mm
		continuous	intermittent		1 - battery 1			
1646	MK II			12	2 - battery 2	1500	104x104	80
		300 A	450 A		3 - parallel			

NEW

BATTERY SWITCH

With plastic housing. For application up to 36V DC with 4 positions.

Code	Continuous Amps	Momentary Amps	Volt	Dimensions Ø/cm
1248	310A	500A /5 min	36	L160 x W160 x H70

BATTERY SELECTOR SWITCH

Allows selection of any position, including "off" without damage to alternator or electrical system.
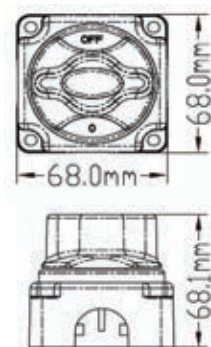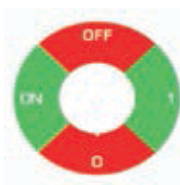
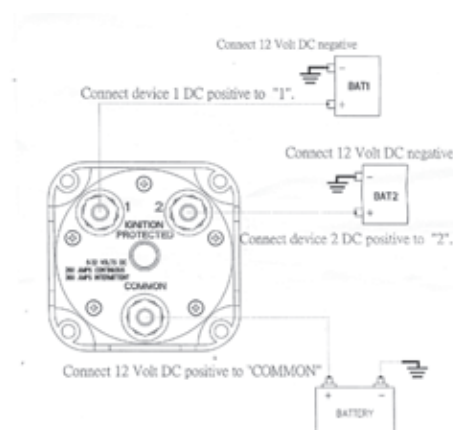| Code	Amps	Volt	Dimensions mm	Type
1346	250 A continuous / 450 A for 5 minutes / 700 A for 10 seconds / 1500 A breaking.	12	69 mm x 69 mm x H 75 mm	Battery switch 1,2, 1+2 and OFF

315

BATTERY SWITCHES

MINI BATTERY SWITCH WITH KNOB

NEW

Code	Amps	Volt	Dimensions mm	Type
1257	250 A continuous at 12 V / 350 A intermittent.	12	68 mm x 68 mm x H 68,1 mm	With switch ON/OFF

SWITCH FOR BATTERIES
The switch for batteries allows to use the batteries together or to detach them. Provided with new rotating device type with safety release lock.

Code	Continuous Amps	Volt	Intermittent Amps	Dimensions mm
4042	280 A	12	380 A	101 x 101
1345	350 A		800 A	127 x 127

Connect 12 Volt DC negative

Connect device 1 DC positive to "1".

Connect 12 Volt DC negative

Connect device 2 DC positive to "2".

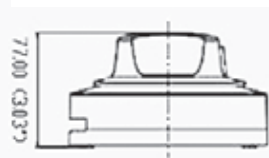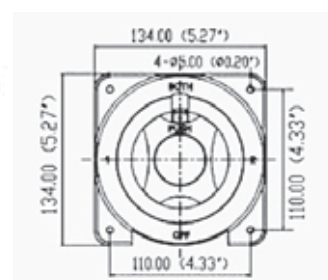Connect 12 Volt DC positive to "COMMON"

BATTERY SELECTOR SWITCH 1-2-BOTH
For systems 6,12, 24, 32V. 3 switch-position. Bakelite housing with brass terminals.

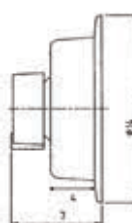| Code	Dimensions Ø/cm	Continuous Amps	Momentary Amps
1350	134 mm x 134 mm x H 77 mm	175A	300A

BATTERY SELECTOR SWITCH WITH KEY

Code	Dimensions Ø / cm	Continuous Amps	Volt	Momentary Amps
1347	13 x H 6,5	250	6-32	360

BATTERY SELECTOR SWITCH
For 6, 12, 24, 36 V systems. ABS housing with brass terminals.

TMC

Code	Dimensions Ø/cm	Continuous Amps	Momentary Amps
1349	14	175A	300

BATTERY SWITCH DUAL CIRCUIT
Make-before-break contact design allows switching between battery banks without power interruption. Ignition protected—safe for installation aboard gasoline powered boats. Case design allows surface or rear panel mounting. It can be combined with the SOLENOID with code 1688.

Code	Dimensions Ø / cm	Volt	Continuous Amps	Momentary Amps
1689	9,5 x 9,5	12-24	350	525

Code 1688
SOLENOID 120A.
A complete two battery bank management solution. Dual Circuit Plus™ Battery Switch isolates engine and house circuits, and combines battery banks for emergency starting for code 1689
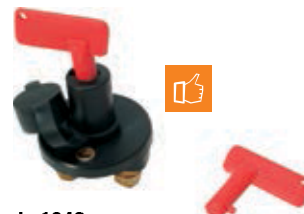
BATTERY SWITCHES

HEAVY DUTY BATTERY SWITCH
FLUSH MOUNTING

Code	Continuous Amps	Momentary Amps
3935	120	1500

MINI BATTERY SWITCH
With removable key.

Code	Continuous Amps	Momentary Amps
3937	250	350

Code 1348
BATTERY SWITCH
Current supply interrupted when key removed Max load: 1000 Á at 12V for 10" - 500 Á at 24V for 10".

HEAVY DUTY MARINE BATTERY SWITCH, BUILT-IN MODEL
Fitted with removable nickel-plated brass key; "CE" 94/25/CE. Obligatory for mounting on a positive cable, under ISO 10133 standards.

Code	Continuous Amps	Momentary Amps	Hole\ Diameter mm
1435	280A	2500 A	80

Code 3936
HEAVY DUTY BATTERY SWITCH
Max load: 1000 A at 12V for 10".
Continuous 300 AMPS.

BATTERY CHARGERS / INVERTERS / CONVERTERS

AUTOMATIC BATTERY CHARGER OF 7 STAGES
The 7 stages automatic chargers with microprocessor control (CPU) are fully automatic and protect batteries from being overcharged as they can remain connected to the battery indefinitely. The 7-stage charging is a very comprehensive and accurate charging process that gives the battery longer life and better performance compared to using traditional chargers. They are suitable for most battery types including Calcium, Gel and AGM batteries. They may also help restore drained and sulphated batteries. It provides polarity and output short protection, over voltage and over temperature protection.

NEW

Code	Input Voltage V	Output Voltage/ Current V/A	Watt	Dimensions		
				Length mm	Width mm	Height mm
3970-1	220-240VAC	12VDC / 5000mA	154W	195	115	62
3970-2	220-240VAC	12VDC / 7000mA	215W	195	115	62

BATTERY CHARGER - POWER SUPPLIER
Three stage battery charging, multiple outputs for charging more than one group of batteries. Different type of charge (electrolite & gel battery). PCT resistances as short circuit protection and automatic cooling fan control.

Code	Supply	Power/ Consumption	Frequency	Dimensions mm	Weight
4461	12 V	480W/40A	50-60Hz	L331 x H260 x D100	3,8 Kg
4462	12 V	480W/60A	50-60Hz	L331 x H260 x D100	3,8 Kg
3884	12 V	180W/ 15A	45-60Hz	L110 x H220 x D85	1,5 Kg
3887	12 V	300W/ 25A	45-60Hz	L185 x H250 x D85	2 Kg

Code 4461-2
CONNECTION CABLE 6 m
For code 4461-1.

Code 4461-1
REMOTE CONTROL DISPLAY PANEL
Optional equipment for codes 4461 and 4462.

BATTERY CHARGERS / INVERTERS / CONVERTERS

Code 3872
POWER CHARGER 6V/12V 4,5A
Made of polycarbonate. The charger reserves the batteries high level charging. Suitable for batteries 6V and12V lead-acid. Abnormality Protection Short Circuit Battery and Defective and Reverse Connection. Available with 1pc Red/ Black clip + water resistant connector, 1pc O ring + water resistant connector, • 1pc cigar plug + water resistant connector. CE

Specifications	
Supply	6V/12V 4,5A
Input Voltage	230VAC 50Hz
Battery Capacity	12V Lead-Acid: 1.2AH – 120AH 6V Lead-Acid: 1.2AH – 14AH
Charging Mode	6 Steps With Fully Automatic Switch Mode

VOLTAGE CONVERTER FROM 24V TO 12V
The voltage converter is used to convert 24VDC to 12VDC. It is suitable for boats, lorries and wherever the primary supply unit is 24V. It provides output polarity reverse circuit protection , output short and overheating circuit protection as well as overload circuit protection.

NEW

Code	Input Voltage Volt	Output Voltage/ Volt	Output Power Continuous Amp	Output Power Max Amp	Input Fuse Amp	Dimensions		
						Length mm	Width mm	Height mm
3971-1	20-30V	12-13.8V	20A	30A	20A	182	115	62
3971-2	20-30V	12-13.8V	50A	70A	2 X 30A	275	165	79

BATTERY ISOLATOR
Offers an enhanced efficiency of the battery charge from the alternator thanks to a very low voltage drop.

Code	Number of Exits	Number of Alternators	Exit Current A
3145	2	1	120A
3145-1	2	1	60A
3145-2	2	1	180A
3145-3	3	2	120A

INVERTERS

Code	Volt	Watt	Dimensions cm A x B x C	Weight kg	
3784-1	12V	1500W	41,5 x 19,1 x 8,8	4,8	
3784-2	24V	1500W	41,5 x 19,1 x 8,8	4,8	With Remote Control
3784-3	12V	2000W	42 x 20,8 x 16	9	

INVERTERS
For use in car, boats, trucks, trailers and mobile homes. Take the power inverter to portable and get power to run lamps, radios or TVs. Ultra-Compact Metal Housing: Small and rugged: stored easily. Integrated fuse for protection from overload. The inverter can automatically detect low battery voltage and shut down to preserve the battery. Overload protection: Automatic shutdown and alarm. Input power: 12V DC - Output power 230V AC /

3780-1,5-2-4-5

3780-6 -7 -8 -9

Code	dimensions cm	Volt	Watt	Kg
3780-1,5	15 x 10,8 x 5,1	12 V	300 W with USB port	0,75
3780-2	17 x 12,5 x 5,2	12 V	400 W	0,87
3780-4	15,5 x 16,4 x 6,2	12 V	600 W	1,5
3780-5	26 X 16,4 X 6,2	12 V	800 W	2,3
3780-6	26 x 19,8 x 7	12 V	1000 W - 2 outputs 220Volt	2,9
3780-7	26 x 19,8 x 7	12 V	1200 W - 2 outputs 220Volt	3,2
3780-8	32 x 19,8 x 7	12 V	1500 W- 2 outputs 220Volt	4,3
3780-9	43 x 19,8 x 7	12 V	2000 W	5,2

MARINE BATTERIES / BATTERY HOLDERS / CONNECTORS

NEW

MARINE BATTERIS SEALED TYPE 12V
Marine batteries sealed type with 1 year guarantee.

Code	Volt	Capacity (AH)	CCA (AH ignition)	Dimensions L x W x H (mm)	Positive Terminal
830 - 45		45	420	207 x 175 x 175	RIGHT+LEFT
830-55		55	540	242 x 175 x 175	RIGHT+LEFT
830-75		75	680	277 x 175 x 175	RIGHT
830-100	12 V	100	820	354 x 174 x 175	RIGHT
830-125		125	1000	340 x 172 x 260	RIGHT+LEFT
830-140		140	900	510 x 182 x 233	LEFT

NEW

MARINE BATTERY AGM TECHNOLOGY
Marine battery of AGM technology with high cycling durability and extra long service life. 1 year guarantee.

Κωδικός	Volt	Capacity (AH)	CCA (AH ignition)	Dimensions L x W x H (mm)
826-60		60	560	242-175-190
826-70		70	760	278-175-190
826-90	12 V	90	850	353-175-190
826-150		150	950	513-189-223
826-180		180	1200	518-276-242
826-210		210	1400	518-276-242

BATTERY BOX

Code	Dimensions mm
898	L 394 x W 185 x H 193

BATTERY HOLDERS TRAY

Code	Dimensions mm
929 - 12	L 280 x W 177
929 - 13	L 330 x W 177

BATTERY HOLDERS TRAYS
With strap.

Code	Dimensions mm
4230 - 1	L 280 x W 177
4230 - 2	L 330 x W 177

EVAL

BATTERY CASE EVAL
Protection battery case made of polypropylene, of high standards. Offering 5 cable outputs, with vent holes, that provide airflow within the case, but keeping water away from the battery at the same time. Internally you may find four very handy cases, in order to store some tools, cords, fuses or other small objects. Finally the belt with the clip, will assist you in stabilizing the case to its proper position, while it will secure at the same time the case itself so that it will not accidentally open.

Code	External Dimension cm	Internal Dimensions cm
3162	W 23,5 x L 30 x H 25,5	W 18 x L 28,5

NEW

Code 925
BATTERY TIE DOWN STAINLESS STEEL
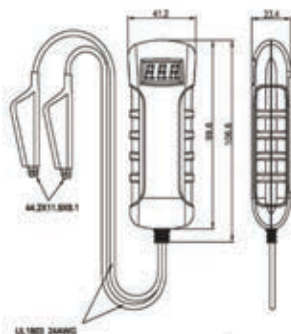Battery tie down stainless steel. Universal size suitable for all battery sizes.

MARINE BATTERIES / BATTERY HOLDERS / CONNECTORS

Code 1342
ANGLED BATTERY CONNECTORS (pair)
Tinplated brass.

Code 2689
BATTERY CONNECTORS (pair) Made of tin lead with bolts.

Code 847
BIG BATTERY CLIPS FOR HIGH AMPERAGE
Made of nickel-plated brass with stainless steel nuts and bolts. + and - fastening bolts to avoid confusing the cables.
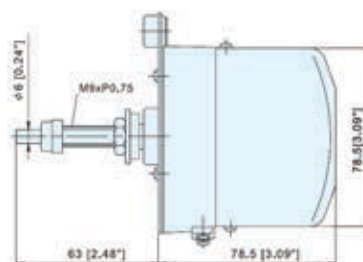
NEW

Battery Test, 5-30VDC
Made of ABS with alligator clip

Code	Volt	Dimensions mm	Battery Charge / Volt
1356	12V	H 99,6 x W 41,2 x Βάθος 23,4	Low / 5V-11,7V
			Med/ 11,8V-12,4V
			High/ 12,5V-15,9V

Code 1343
QUICK RELEASE BATTERY CONNECTORS (pair)
Tinplated brass and plastic.

Code 1340
QUICK RELEASE BATTERY CONNECTORS (pair)
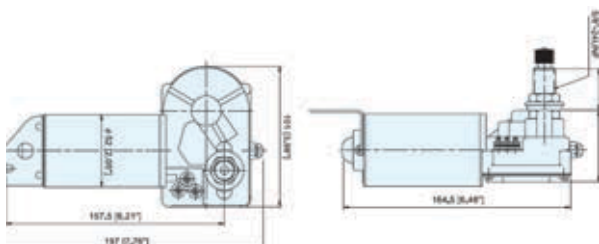
WIPER MOTORS / WIPER ARMS

MARINE WIPER MOTOR

Code	Supply		Fuse	Sweep Angles of	Dimensions cm	Shaft Length mm
	Amps	Volt				
1422	1A	12V	1,5A	90°/ 110°	L14,2X W7,8x H5,7	62

MARINE WIPER MOTOR

Code	Supply		Fuse	Sweep Angles of	Dimensions cm	Shaft Length mm
	Amps	Volt				
1436	1A	12V	1,5A	90°/ 110°	L17,2X W7,8x H5,7	82

WIPER MOTORS / WIPER ARMS

HEAVY DUTY MARINE WIPER MOTOR
Heavy duty marine wiper motor with 50,8 mm shaft, 2 speeds with self-parking.

Code	Supply			Fuse	Interchangeable Sweep Angles of	Dimens.cm	Shaft Length	Type
	High Speed	Low Speed	Volt					
1426	1.5A	1 A	12V	3A	83°/ 100°/ 110° and 120°	L19,7 x W10,1 x H5,14	Long 50,8 mm	Heavy Duty
1694-2	1.5A	1 A	12V	3A	83°/ 100°/ 110° and 120°	L19,7 x W10,1 x H5,14		Heavy Duty with plastic waterproof cover
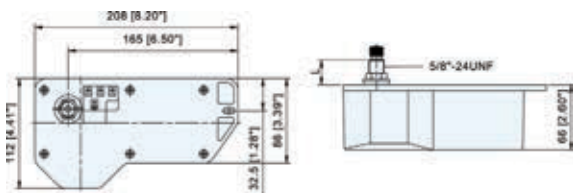
WINDSCREEN WIPER MOTOR
2 Speed, self-parking and heavy duty marine wiper motor with plastic cover. 12 V   2,0" SHAFT

Code	Supply			Fuse	Interchangeable Sweep Angles of	Dimensions cm	Shaft Length mm	Type
	High Speed	Low Speed	Volt					
1439	1.5A	1 A	12V	3A	83°/ 100°/ 110° & 120°	L20,8 x W11,2 x H6,6	Short 25,4	Heavy Duty
1694-1	1.5A	1 A	12V	3A	83°/ 100°/ 110° & 120°	L20,8 x W11,2 x H6,6		Heavy Duty with plastic waterproof cover

WIPER ARM
For code 1422, 1436, 1439-1, 1439-2.

Code	Length cm
1438-11	15,5 up to 25,5
1438-14	19,5 up to 33

HEAVY-DUTY ADJUST-ABLE WIPER ARM SINGLE
Single adjustable wiper arm.
For code 1426, 1439, 1437, 1437-1.

Code	Length cm
1612-14	23 up to 31
1612-15	28 up to 38

HEAVY-DUTY ADJUSTABLE WIPER ARMS PARALLEL
Parallel adjustable wiper arms stainless steel. For code 1437, 1437-1, 1426, 1439.

Code	Length cm
1426-1	28,5 up to 38
1426-2	34,5 up to 44
1426-3	41,5 up to 49,5

WIPER BLADE
For codes 1438-11, 1438-14.

Code	Dimen. mm
1439-1	33
1439-2	28

RUBBER FOR WINDSCREEN WIPER
For codes 1426-1, 1426-2, 1426-3, 1612-14, 1612-15.

Code	Dimen. mm
1437	L 356
1437-1	L 280

Code 1427
BRACKET FOR PARALLEL WIPER ARMS
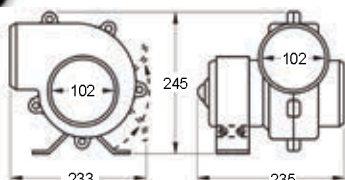For codes 1426, 1426-1, 1426-2, 1426-3, 1439.

BLOWERS
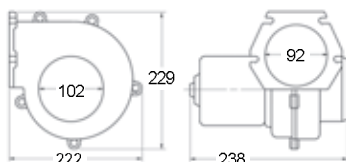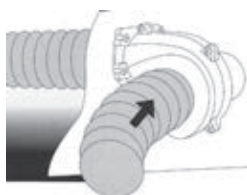
HEAVY DUTY FLEXMOUNT BLOWER

Heavy duty blower, made of reinforced thermoset plastic and corrosion-resistant materials. It is designed to remove fumes from the engine compartments prior to boat start up and suitable for applications such as commercial or high use engine room ventilation and extraction. It is of a radial design that offers the highest output in more complex installations with longer ducting lengths and/or multiple bends in the ducting. It is generally mounted directly onto a flat bulkhead using a mounting collar to connect to the discharge ducting. ISO 8846 for Ignition Protection, N.M.M.A. Type Accepted complies with ISO 9097 Marine, CE Conforms with EN 5008-1 Meets USCG Electrical Regulations Tough

Code	Air Flow	Volt	Amp	Connection Ø mm	Weight
948	7.1 m³/min	12V	15	100	2,7 Kg

HEAVY DUTY FLEXMOUNT BLOWER

Heavy duty blower, made of reinforced thermoset plastic and corrosion-resistant materials. It is designed to remove fumes from the engine compartments prior to boat start up and suitable for applications such as commercial or high use engine room ventilation and extraction. It is of a radial design that offers the highest output in more complex installations with longer ducting lengths and/or multiple bends in the ducting. It is installed by attaching a mounting collar around the motor (which is supplied with the blower) to any convenient solid surface. With flex mounting for 360° adjustable outlet. ISO 8846 for Ignition Protection, N.M.M.A. Type Accepted complies with ISO 9097 Marine, CE Conforms with EN 5008-1 Meets USCG Electrical Regulations Tough

Code	Air Flow	Volt	Amp	Connection Ø mm	Weight
950	7.1 m³/min	12V	15	100	3,2 Kg

IN-LINE BLOWER

Code	Air Flow l/min	Motor	AMP	Intake pipe mm	Dimensions mm
1434	3965	12V	2,7A	76,2 mm	L 127 x W125 x H85

ELECTRIC TURBO BILGE BLOWER

Code	Air Flow l/min	Intake Pipe mm	Volt	Amp	Color	Dimensions mm
4412 - 1	3400	76	12	4 A	WHITE	L 128 x W 114 X H 92
4412 - 2	5665	102	12	5 A	WHITE	L 128 x W 140 X H 115

a attwood *genuine ingenuity*

STEEL WIRE PVC HOSE

NEW

Steel wire PVC hoses suitable for blowers, air, gas, fumes, steam suction. Ship and domestic conditioning. The special manufacturing allows the hose to be used in all air suction installation and ventilation. Fire resistance class CSTB : M1 and DIN 4102. Temperature range -25°C +125°C. Tube made of fiberglass fabric coated with grey PVC. Reinforcement : steel wire helix. Compressing 8:1

Code	Diameter mm	Diameter inch
1968-76	76	3"
1968-100	100	4"

TMC

BILGE BLOWER
With bracket

Code	Air Flow l/min	Motor	AMP	Intake pipe mm	Dimensions mm
1444	254	12V	3A	76	L188 x W143 x H160

BILGE BLOWER

Code	Air Flow l/min	Motor	AMP	Intake pipe mm	Dimensions mm
1445	254	12V	3A	76	L188 x W143 x H160

TMC

SOLAR PANELS & INVERTERS
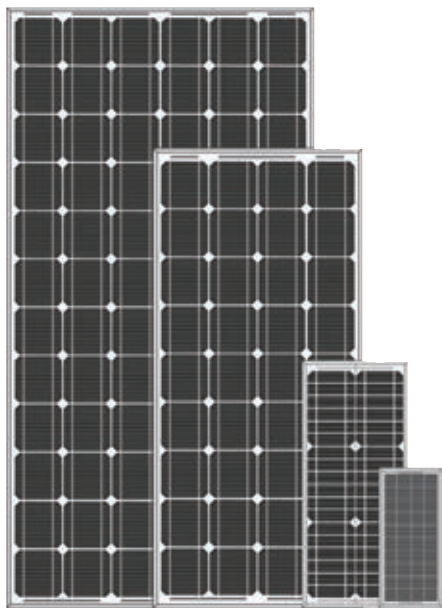
SOLAR PANELS
High efficiency and long service life monocrystalline solar cells with special aluminium frame, designed for marine environment. Characterised by high transmission and advanced cell encapsulation. The charge regulator is not included

| Code	Peak Power Watt	Voltage Vm Volt	Current Im Amper	Dimensions mm	Weight kg
4403-30	30	17,56	1,71	520 x 510 x 28	3,7
4403-50	50	17,74	2,84	750x 510 x 35	4,9
4403-70	70	17,2	4,1	780 x 680 x 35	6,3
4403-100	100	17,79	5,63	1100 x 680 x 35	8,7

Code 4716
WIND TURBINE 300 W
Renewable Energy System. Generates electricity with respect to the environment and without cost. It can provide elctrical current for any kind of appliance in the boat. Specifically designed for use in marine environment with special waterproofing and corrosion resistance. Suitable controller is included. Can be combined with appropriate tower for support (code 04716-1) and inverters depending on use. Batteries are not included.

Rated output (W)	300
Rated voltage (V)	12/24
Initial wind speed (m/s)	3
Rated wind speed (m/s)	9
Security wind speed (m/s)	40
Blades quantity	3
Blades material	Engineered Plastics
Fan diameter (m)	1,5
Rated speed (rpm)	500
Wind efficiency	0,38
Recommended batteries	2 pcs x 12V/150 AH
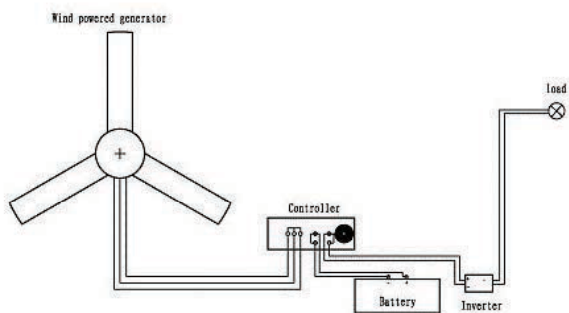
Code 4716-1
WIND TURBINE TOWER
Made of steel.
Dimensions: Ø 4,8 cm x L 4,5 m

Code 4403
CHARGE REGULATOR
Nominal system voltage 12V/24V Dimensions mm L13,9 x W9 x H3,1 LED lights indicating working status. Protection system for overcharge, short circuit, reverse polarity & reverse oharging (during night time) of batteries. Electro-management with 2 control modes : Lighting Mode (Default) automatic and Normal (on/off manual). Max. PV Charging Current 20A