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## LED's Are The Next Generation For Lighting

Sam Allen Wholesale has been sourcing, testing and supplying high quality LED's for over 10 years.

Relaxn® is synonymous with innovation, technology, knowledge and service quality.

It's born from our commitment to excellence and our promise to deliver the best possible performance every time.



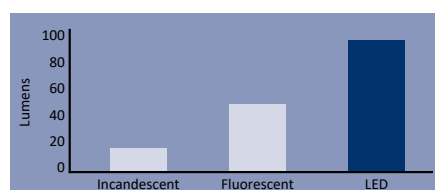
## What are LED's

LED lights use small diodes that are more durable than traditional light bulbs. LED's can withstand some impacts and do not contain any potentially harmful gasses or chemicals such as halogen, xenon, krypton, mercury or neurotoxin as some traditional bulbs carry.

Typically a LED's lifespan is about 20,000 - 50,000 hours, more than 20 times longer than an traditional incandescent light. LED's also have no filaments.

Some of our LED's are built in one part to ensure even greater durability against moisture and shocks.

LED's consume less power than traditional bulbs. LED's are able to generate around 80-100 lumens per watt, while traditional lights generate less than 20 lumens per watt making them extremely efficient.



## Lumens & Colour

The lumen is the unit of luminous flux, a measure of the power of light perceived by the human eye. lumen can be thought of casually as a measure of the total 'amount' of visible light in some defined beam, angle or emitted from some source. The higher the lumens the brighter the light will be.

Colour is the characteristic of human visual perception described through colour categories. Colour categories and physical specifications of colour are associated with objects through the wavelength of the light that is reflected from them. Correlated colour temperature in lighting describes

how the colour of the light appears from the LED, measured in Kelvins. From warm white being the colour of candle light, through to cool white being the colour of a clear blue sky.



## Electrical

**Volts:** In its natural state, the electrons in a conductor such as copper freely move from atom to atom in a completely random way. To get them to move together in one direction you simply need to give them electromotive force (Volts). A voltage is nothing more than a difference in charge between two places.

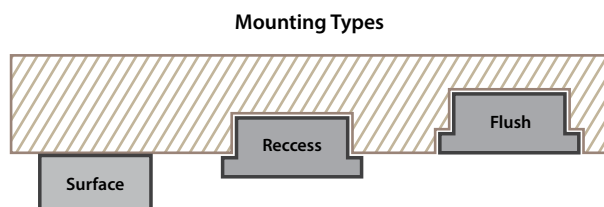
**Wattage:** The amount of power required to operate an electrical appliance or device. The rate at which electrical energy is transferred by an electric circuit. When electric current flows in a circuit it can transfer energy to do mechanical or thermodynamic work.

**Amperage:** Amperage is the measurement of electrical current. The Electrical equivalent of flow rate.



## Common Mounting Styles

This diagram illustrates the three common types of mounting styles. Surface mount refers to the object being mounted without requiring a cut-out. Recess mount requires a cut-out. Flush mount is the same as Recess mount, but has a flat smooth finish.





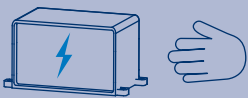
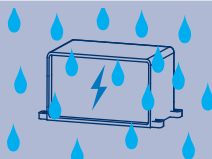
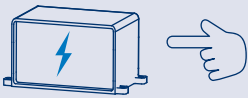
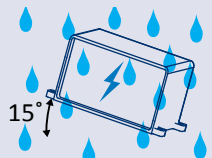
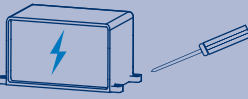
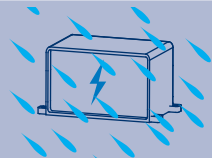
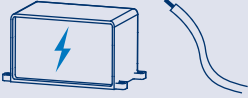
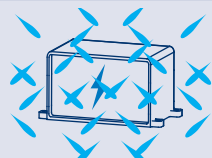
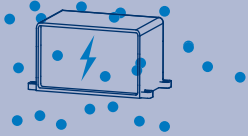
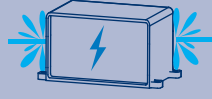
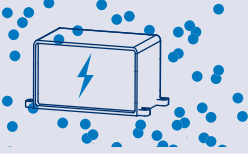
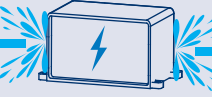
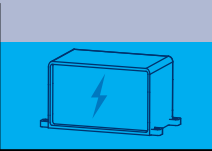
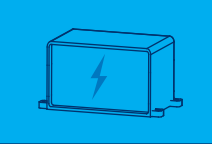
## IP Rating Guide

The IP (Ingress Protection) rating refers to the different levels of protection a product provides against foreign objects and water ingress.

Example: **IP 65**

The first character numeral - Protection against the ingress of solid foreign object.

The second character numeral - Protection against the ingress of water.

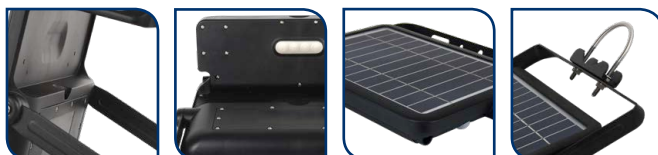
Protection Against Solids (I)		Protection Against Water (P)	
X	Not Tested	X	Not Tested
0	Not Protected	0	Not Protected
1	 Protected against solid objects greater than 50mm, such as hands.	1	 Protected against vertically falling drops of water. Limited ingress permitted.
2	 Protected against solid objects greater than 12.5mm, such as fingers.	2	 Protected against vertically falling drops of water with the enclosure tilted up to 15° from the vertical. Limited ingress permitted.
3	 Protected against solid objects greater than 2.5mm, such as screwdrivers.	3	 Protected against sprays of water up to 60° from the vertical. Limited ingress permitted.
4	 Protected against solid objects greater than 1mm, such as wires.	4	 Protected from water splashed from any direction. Limited ingress permitted.
5	 Dust protected: Limited ingress of dust permitted. Dust ingress should not affect the function of the equipment.	5	 Protected from water jets. Limited ingress permitted.
6	 Dust tight: No ingress of dust.	6	 Protected from powerful water jets from any direction. Limited water ingress permitted.
		7	 Protected against the effects of temporary immersion (30min) in water between 15cm - 1m.
		8	 Protected against the effects of long term immersion in water under pressure.



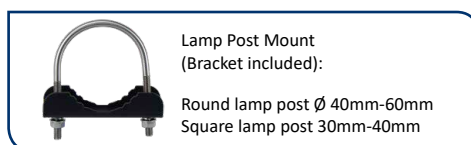
## LED - Solar Smart Sensor Flood Light - 10W



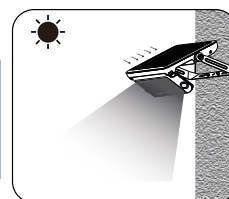
Part No.	LED Colour	Lumens (lm)	Recharge Time	Motion Detection Angle	Motion Detection Distance	Watts (W)	Overall Dimensions (mm)	Mounting Hole Max. (mm)
709420	Cool White	1080	6 Hours	180°	≤ 8 Mtrs	10	300 x 215 x 35	185 x 8
709420-BULK Solar Smart 10W Flood Light - 8 Pack								



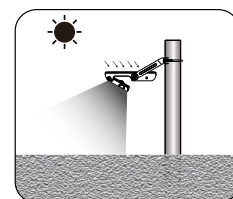
- Ideal for building walls, billboards, gardens, pathways, streets, parking lots, bridges, houses, courtyards and areas exposed to sunlight. Recommend installation height 3-5Mtr.
- 360° rotatable bracket and 135° foldable light panel.
- Two motion sensors offer 180° wide detection angle with high sensitivity.
- Protection Rating: IP65.
- Optical Lens optimises light.
- Mounting brackets included - wall mount or post mount.
- Storage / Working Temperature: -15~45°C.
- Housing Material: ABS & PC.
- Solar Panel: 6W Polycrystalline Silicon.
- 60 SMD 2838 LED's.
- LED Lifespan: 35,000 Hours.
- 3 modes (switch button at the back of the light panel.)
  - Automatic - Turns on at dusk at 20% brightness.
  - Motion detection - 100% - 3% brightness after 20 seconds.
  - Motion detection - Light turns off after 30 seconds.
- High-quality polycrystalline silicon solar panel.
- High-performance lithium battery 8000mAh (4 x 2000mAh).
- 1 year warranty.



Installations:



Wall Mount

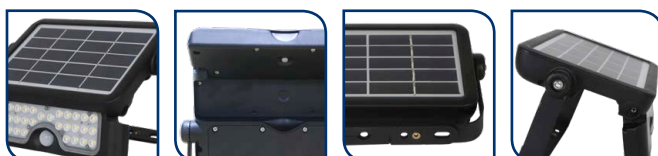


Lamp Post Mount

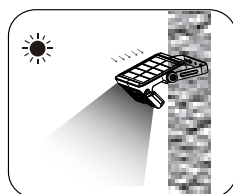
## LED - Solar Smart Sensor Flood Light - 5W



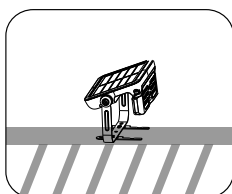
Part No.	LED Colour	Lumens (lm)	Recharge Time	Motion Detection Angle	Motion Detection Distance	Watts (W)	Overall Dimensions (mm)	Mounting Hole Max. (mm)
709418	Cool White	500	6 Hours	120°	≤ 6 Mtrs	5	217 x 149 x 33	146 x 5
709418-BULK Solar Smart 5W Flood Light - 12 Pack								



Installations:



Wall Mount



Horizontal Mount

- Ideal for building walls, gardens, pathways, streets, parking lots, bridges, houses, courtyards, camping and areas exposed to sunlight. Recommend installation height 3-4Mtr.
- Fold out legs provide a free standing solution while camping.
- 360° rotatable bracket and 135° foldable light panel.
- One motion sensors offer 120° wide detection angle with high sensitivity.
- Rated IP65 and UV stabilised.
- Optical Lens optimises light.
- Mounting brackets included - wall mount or vertical mount.
- Storage / Working Temperature: -20~50°C.
- Housing Material: ABS & PC.
- Solar Panel: 2.3W Polycrystalline Silicon.
- 30 SMD 2835 LED's.
- LED Lifespan: 35,000 Hours.
- 3 modes (switch button at the back of the light panel.)
  - » Motion detection - 100% (Battery above 30%) 30% brightness after 20 seconds.
  - » Motion detection (Battery below 30%) Light turns off after 30 seconds.
  - » Steady on - Press the switch button for 5 seconds.
- High-quality polycrystalline silicon solar panel.
- High-performance lithium battery 3000mAh (2 x 1500mAh).
- 1 year warranty.



## LED - Wall Light - Smart Solar With Sensor - Small

Part No.	Frame Colour	LED Colour	Lumens (lm)	Recharge Time	Battery	Solar Panel Output	Overall Dimensions H x W x D (mm)
709200	White	White/Warm White	200	4-6 Hours	3.7V / 1200mAh	0.8W Monocrystal Silicon	152 x 94 x 83.4
709200-BULK	White Smart Solar with Sensor Wall Light - 20 Pack						
709202	Black	White/Warm White	200	4-6 Hours	3.7V / 1200mAh	0.8W Monocrystal Silicon	152 x 94 x 83.1
709202-BULK	Black Smart Solar with Sensor Wall Light - 20 Pack						



NEW ENTRY

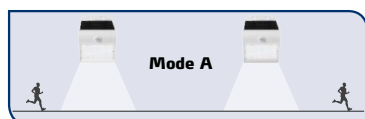
NEW ENTRY

- Ideal for courtyards, gardens, balconies, windows, gates, walls, porches and areas exposed to sunlight.
- Motion sensor activation.
- 120° wide angle detection system up to 6 meters.
- Lasts 3 nights from a single 6 hour charge.
- **Lighting:** Front - 8 Cool white (6000k)  
Back - 2 Warm white (3000k)
- Easy to install.
- Protection Rating: IP65.
- Stainless steel mounting screws, expansion plugs and unlock pin included.
- 1 year warranty.

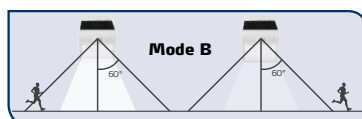


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### 2 Modes:



When the sun goes down the lamp automatically switches on to soft mode.



Automatically turns on bright mode when motion is detected from 2-6 meters away and then switches to soft mode after 10 seconds of no motion.



## LED - Wall Light - Smart Solar With Sensor - Large

Part No.	Frame Colour	LED Colour	Lumens (lm)	Recharge Time	Battery	Solar Panel Output	Overall Dimensions H x W x D (mm)
709206	Black	White/Warm White	400	5-6 Hours	3.7V / 2000mAh	2.3W Monocrystal Silicon	212 x 140 x 109
709206-BULK	Black Smart Solar with Sensor Wall Light - 12 Pack						
709208	Silver	White/Warm White	400	5-6 Hours	3.7V / 2000mAh	2.3W Monocrystal Silicon	212 x 140 x 109
709208-BULK	Silver Smart Solar with Sensor Wall Light - 12 Pack						



NEW ENTRY

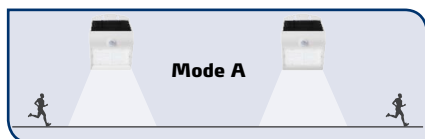
NEW ENTRY

- Ideal for courtyards, gardens, balconies, windows, gates, walls, porches and areas exposed to sunlight.
- Motion sensor activation.
- 120° wide angle detection system up to 6 meters.
- Lasts 3 nights from a single 6 hour charge.
- **Lighting:** Front - 28 Cool white.  
Back - 2 Warm white.
- Easy to install.
- Protection Rating: IP65.
- Stainless steel mounting screws, expansion plugs and unlock pin included.
- 1 year warranty.

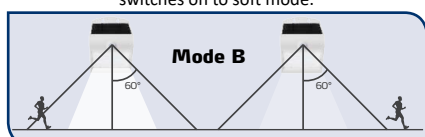


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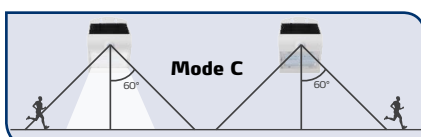
### 3 Modes:



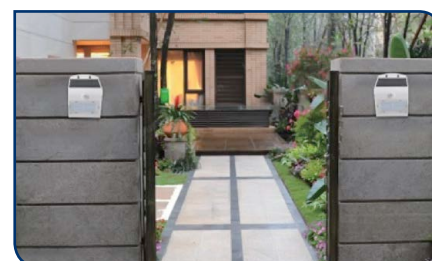
When the sun goes down the lamp automatically switches on to soft mode.



Automatically turns on bright mode when motion is detected from 2-6 meters away and then dims for 20 seconds of no motion.



Automatically turns on bright mode when motion is detected from 2-6 meters away and turns off after 30 seconds of no motion.



## LED - Down Light Kit - Recessed

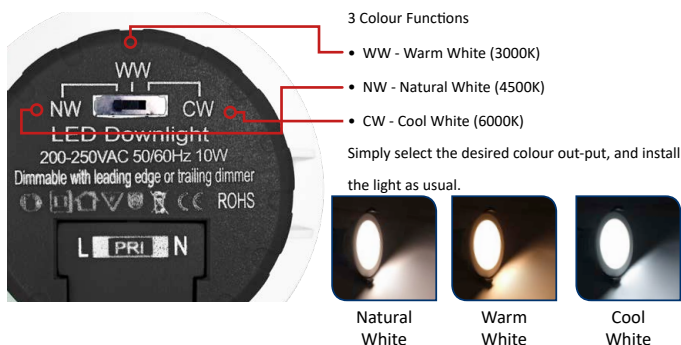
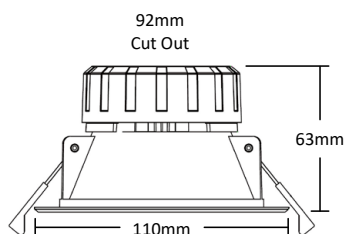


Part No.	LED Colour	Lumens (lm)	Volts (V AC)	Amps (A)	Watts (W)	Beam Angle	Frame Colour	Wire Length & Plug (m)	Cut Out (mm)	Dimensions Ø x D (mm)
709958	Warm / Natural / Cool White	850	240	0.33	10	120°	White	0.8	92	110 x 63



- Perfect solution for any room in your home.
- The three pre-set light settings give you the ability to match the ambience to any room, from warm white, neutral white to cool white lighting.
- Works perfectly with a dimmer to set the mood for any occasion. The Warm white is ideal for lounges, dining areas or bedrooms, cool white for work areas like kitchens or laundries or neutral white for any room.
- 850 lumens equivalent to a 60 watt incandescent bulb, suitable for small rooms, more may be added depending on room size.
- Installation is simple, select the desired colour setting output and install the LED downlight as usual.
- Dimmable.
- Aluminium housing.
- Protection Rating: IP44.
- 0.8Mtr tinned cable, SAA plug fitted.
- **AS/NZS 60598.2.2.**
- 3 years warranty.

NOTE: Switch and dimmer not included.



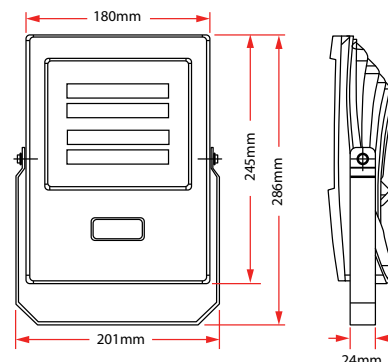
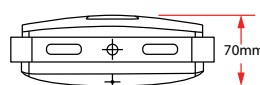
## LED - Flood Light



Part No.	LED Colour	Lumens (lm)	Volts (V AC)	LED Housing	Housing Material	Frame Colour	Dimensions H x W x D (mm)
709400	Cool White	4750	240	PC Lens	Plastic Cover	Black	245 x 180 x 70
709400-BULK	LED Flood Light - 12 Pack						











- Ultra bright LED flood light.
- 360° rotatable bracket.
- Excellent cooling system with streamlined fins to increase heat dissipation.
- 84 Sanan SMD 2835 LED's.
- The whole light cools fast, the max temperature in LED <65°C.
- New technology TU-type waterproof gasket.
- Additional reflective sheeting increases light efficiency by 2%.
- Low degradation LED's and long lifespan 50,000 hours.
- Sloped design end cap to protect the wire and waterproof.
- Overheating protection, short circuit protection.
- Protection against high and low voltage.
- 1.5Mtr tinned cable, SAA plug fitted.
- Patented design.
- Protection Rating: IP65.
- 3 years warranty.







## LED - Smart Sensor &amp; Solar Street Light

Part No.	LED Colour	Lumens (lm)	Watts (W)	Recharge Time	Battery	Solar Panel Output	Frame Colour	Overall Dimensions H x W x D (mm)	   
709430	Cool White	1600	15	5-6 Hours	7.4V / 5400mAh	9.5W Polycrystalline Silicon	Black	413 x 232 x 58	   
709430-BULK LED Smart Sensor & Solar Street Light - 10 Pack									

- Ideal for lighting pathways, streets, parking lots, bridges, houses, gardens, courtyards and areas exposed to sunlight.
- Ideal for commercial or residential use.
- 120° wide angle detection system up to 8 meters away.
- Lasts 4-5 nights from a single 5-6 hour charge.
- The LED street light automatically turns on when the sun goes down.

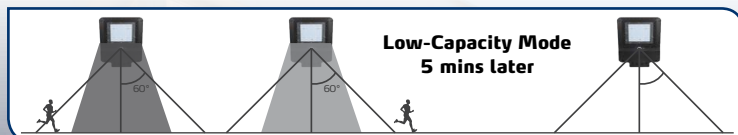
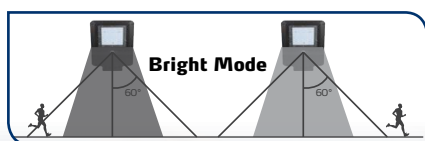
**Working Modes** (switch button beside the sensor.):**Mode 1** - Soft light is on for the first 5 hours.

Full brightness (1600lm) is activated when motion is detected and returns to soft mode after 20 seconds of no motion.

**Mode 2** - After 5 hours or low battery (below 30%)

Full brightness (1600lm) is activated when motion is detected and returns to soft mode after 20 seconds of no motion, the light will turn off after 5 minutes. The light remains in sensor mode.

- Easy to install, no wire, no running power cables, just fit and forget.
- Protection Rating: IP65.
- 40 SMD 2835 LED's.
- Storage Temperature: -40°C ~ 85°C.
- Working Temperature: -20°C ~ 55°C.
- Mounting brackets included - wall mount or post mount.
- 1 year warranty.



## LED - High Bay Light - 120W



Part No.	LED Colour	Lumens (lm)	Volts (V AC)	Watts (W)	LED Chip Type	Beam Angle	Frame Colour	Wire Length & Plug (m)	Dimensions Ø x H (mm)
709450	Cool White	15600	100-240	120	161 x SMD 3030	120°	Black	1.5	295 x 146
709450-BULK	LED Bay Light - 120W - 6 Pack								



- Ideal for warehouses, factory's, cold storage facilities, large undercover areas.
- Highly efficient at 130lm/W with a total of 15600 lumens.
- Reduce your power bill by up to 70% compared to using Mercury Vapour bulbs.
- Starts instantly without the need to warm up, unlike Mercury Vapour lights.
- 6000k colour temperature produces a crisp white light close to day light.
- Heavy Duty dia cast Aluminium casing.
- Optical Lens optimised light.
- Working Temperature: -30°C~+50°C.
- Ultra long LED lifespan: Up to 50,000hrs.
- Includes a heavy-duty eye bolt for quick installation.
- Easy to install.
- UV stabilised.
- Protection Rating: IP65.
- 5 year warranty.

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## LED - High Bay Light - 150W

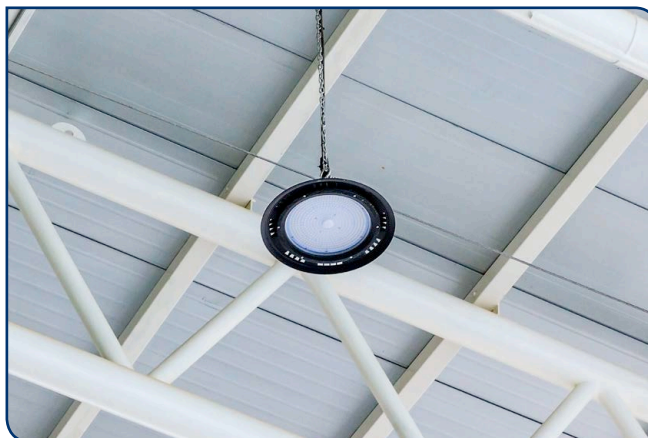
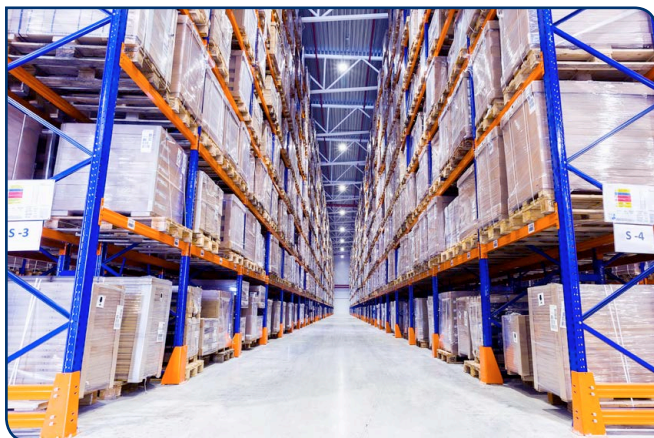
Part No.	LED Colour	Lumens (lm)	Volts (V AC)	Watts (W)	LED Chip Type	Beam Angle	Frame Colour	Wire Length & Plug (m)	Dimensions Ø x H (mm)
<b>709452</b>	Cool White	19500	100-240	150	210 x SMD 3030	120°	Black	1.5	365 x 215
<b>709452-BULK</b> LED Bay Light - 150W - 6 Pack									



- Ideal for warehouses, factory's, cold storage facilities, large undercover areas.
- Reduce your power bill by up to 70% compared to using Mercury Vapour bulbs.
- Starts instantly without the need to warm up, unlike Mercury Vapour lights.
- 6000k colour temperature produces a crisp white light close to day light.
- Heavy Duty dia cast Aluminium casing.
- Optical Lens optimised light.
- Working Temperature: -30°C~+50°C.
- Ultra long LED lifespan: Up to 50,000hrs.
- Includes a heavy-duty eye bolt for quick installation.
- Easy to install.
- UV stabilised.
- Protection Rating: IP65.
- 5 year warranty.



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## Electrical - Power Supply - Waterproof

Part No.	Description	Maximum Output (W)	Dimensions L x W x H (mm)
<b>709926</b>	12V Waterproof Power Supply	30	200 x 30 x 20

- Ideal for use in marine, caravan, motorhomes and camper trailers, most commonly used with 12VDC lighting fixtures.
- Protection Rating: IP67.
- CE certified.
- **709926:** 30 watts of maximum output power.  
170 - 250V input range.





# LED Exterior & Interior Lights Awning & Porch Lights



## LED - Awning lights - Alloy



Part No.	LED Colour	Frame Colour	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Dimensions L x W x D (mm)	
70966	Cool White	White	400	12	0.36	4	243 x 43 x 30	
<b>NEW ENTRY</b> 70966-BULK	Small White LED Awning Light - 10 Pack							
70966G	Cool White	Grey	400	12	0.36	4	243 x 43 x 30	
<b>NEW ENTRY</b> 70966G-BULK	Small Grey LED Awning Light - 10 Pack							
70966BLK	Cool White	Black	400	12	0.36	4	243 x 43 x 30	
<b>NEW ENTRY</b> 70966BLK-BULK	Small Black LED Awning Light - 10 Pack							
70967	Cool White	White	1000	12	0.9	10	582 x 43 x 30	
<b>NEW ENTRY</b> 70967-BULK	Large White LED Awning Light - 10 Pack							
70967G	Cool White	Grey	1000	12	0.9	10	582 x 43 x 30	
<b>NEW ENTRY</b> 70967G-BULK	Large Greg LED Awning Light - 10 Pack							
70967BLK	Cool White	Black	1000	12	0.9	10	582 x 43 x 30	
<b>NEW ENTRY</b> 70967BLK-BULK	Large Black LED Awning Light - 10 Pack							

• Ideal for use in many marine, automotive, caravan, motorhome, camper trailer and domestic applications, also suitable for rocket launcher, under gunwale and targa top bar lighting.

### LED Chip Sets:

Small Awning Light: 12 x LG chip LED's  
Large Awning Light: 30 x LG chip LED's

- Protection Rating: IP66.
- 45° housing angle.
- Aluminium frame with powder coating.
- 2 years warranty.

## LED - Awning Light - Waterproof



- Ideal for exterior awning/annexe lights.
- 24 x super bright 5630 SMD LEDs comparable to a 20 watt halogen.
- Protection Rating: IP66.
- No switch.
- 1 year warranty.

## LED - Awning Light - Waterproof - Sensor




- Light turns on from sensing motion and will stay on for 5 minutes making it ideal for exterior awning/annexe lights.
- Senses movement up to 3 metres in a 70° arc.
- 36 x super bright LEDs.
- Low profile.
- Polycarbonate lens.
- Protection Rating: IP65.
- 1 year warranty.

Motion Sensor

[www.samallen.com.au](http://www.samallen.com.au)



## LED - Porch Light - Waterproof









Part No.	LED Colour	Frame Colour	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Dimensions L x W x D (mm)
 <b>70973</b>	Cool White	White	192	12	0.16	1.92	173 x 110 x 56



- Ideal for use in all interior or exterior marine, caravan, motorhome and camper trailer applications.
- 12 x super bright LEDs.
- Protection Rating: IP66.
- Waterproof on/off switch.
- Tinned wires.
- 1 year warranty.



## LED - Ceiling Light - Touch/Dimmable

Part No.	LED Colour	Frame Colour	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Dimensions L x W x D (mm)
 <b>709770</b>	White/Blue	White	400	12	0.6	7	165 x 165 x 16
 <b>709770-BULK</b>	White Frame with White/Blue LED Ceiling Light - 10 Pack						
 <b>709771</b>	White/Blue	Chrome	400	12	0.6	7	165 x 165 x 16
 <b>709771-BULK</b>	Chrome Frame with White/Blue LED Ceiling Light - 10 Pack						
 <b>709772</b>	White/Red	White	400	12	0.69	7	165 x 165 x 16
 <b>709772-BULK</b>	White Frame with White/Red LED Ceiling Light - 10 Pack						
 <b>709773</b>	White/Red	Chrome	400	12	0.69	7	165 x 165 x 16
 <b>709773-BULK</b>	Chrome Frame with White/Red LED Ceiling Light - 10 Pack						





- Ideal for use in all interior or exterior marine, caravan, motorhome and camper trailer applications.
- Super bright Next Gen LEDs: 6 Blue/Red LEDs / 96 White LEDs.
- 3 Way Touch Sensor Switch with Dimming Feature:
  - First touch - Blue/Red LED
  - Second touch - White LED
  - Third touch - Off.
- Ultra long service life: rated to 50,000 hours.
- Dimmable - Touch and hold dimming feature control brightness level for both Red/Blue and White LEDs.
- Red/Blue LED function is perfect for night vision.
- Aluminium Frame and white polycarbonate bezel.
- 600mm wires: tinned for easy installation.
- Protection Rating: IP44.
- Surface Mount.
- **709770C** - Chrome frame available.
- 1 year warranty.



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## LED - Exterior Light - Waterproof

Part No.	LED Colour	Frame Colour	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Dimensions L x W (mm)
 <b>70965</b>	Cool White	White	432	12	0.45	5.4	184 x 110
 <b>70986</b>	Cool White	White	432	24	0.22	5.4	184 x 110



- Ideal for use in all interior and exterior marine, caravan, motorhome and camper trailer applications. Most commonly used for awning lights, can also be used for boat decks, flybridges and saloon lighting.
- Suitable for surface mount or recessed mount.
- 36 x super bright LED's.
- LED Chip Size: 5630.
- Protection Rating: IP66.
- Recessed depth: 12mm.
- Surface depth: 20mm.
- Tinned wires.
- 1 year warranty.



## Interior Lights

### LED - Interior Light - Rectangular



Part No.	LED Colour	Frame Colour	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Dimensions L x W x D (mm)
70963	Cool White	White	576	12	0.48	5.76	185 x 110 x 24
70964	Cool White	Grey	576	12	0.48	5.76	185 x 110 x 24



- Ideal for use in all interior marine, caravan, motorhome and camper trailer applications. Most commonly used for cockpit lighting or galley lighting.
- 36 x super bright 5630 SMD LEDs with a light output comparable to a 30 watt halogen.
- Surface mounting with a on/off switch.
- Tinned Wires
- 1 year warranty.

### LED - Interior - Wave Light



Part No.	LED Colour	Frame Colour	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Dimensions Ø x D (mm)
709774	White/Red	Silver	150	12/24	0.1	1.5	96 x 27



- Easy to install bayonet latch design with a unique wave shape enclosure design.
- Adjustable lens providing different light direction.
- Matte finish lens providing a soft and smooth light output.
- 12 x super bright SMD LED chips: 6 x White.  
6 x Red.
- IP66 rated with a membrane touch on/off switch.
- 2 year warranty.



### LED - Dome Lights - Stainless Steel



Part No.	LED Colour	Frame	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Dimensions Ø x D (mm)
709871	Cool White	Chrome	75	12	0.03	0.4	75 x 40
709877	Cool White	Chrome	176	12	0.26	3.1	140 x 45



- Ideal for use in all interior marine, caravan, motorhome and camper trailer applications.
- 2 year warranty.

### LED - Surface Light - Round



Part No.	LED Colour	Frame	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Dimensions Ø x D (mm)
709678	Cool White	Chrome	450	12	0.6	10	152 x 15



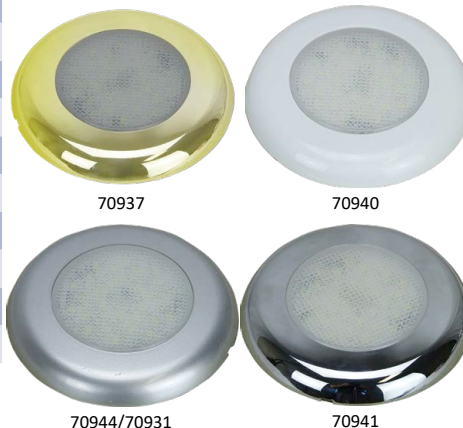
- Suitable for a variety of indoor applications and work areas.
- Powerful latest generation LED chips comparable to a 40-50 watt halogen.
- Chrome alloy frame with a frost lens.
- Diffuse lens produces a natural 180° wide lighting angle.
- 5 year warranty.





## LED - Down Lights - Round

Part No.	LED Colour	Frame Colour	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Diameter Ø x D (mm)	Switch
70940	Cool White	White	192	12	0.16	1.92	83 x 12	-
70937	Cool White	Brass	192	24	0.16	3.84	83 x 12	-
70941	Cool White	Chrome	192	12	0.16	1.92	83 x 12	-
70944	Cool White	Silver	192	12	0.16	1.92	83 x 12	-
70931	Cool White	Silver	192	24	0.16	3.84	83 x 12	-
70945	Cool White	Chrome	192	12	0.16	1.92	83 x 12	Touch
70941C	Chrome Replacement Frame							
70937S	Brass Replacement Frame							
70944S	Silver Replacement Frame							
70940W	White Surround Only to suit 70940							



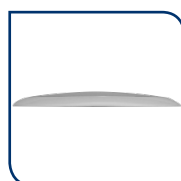
- Ideal use in all interior and exterior marine, caravan, motorhome and camper trailer applications. Most commonly used for cockpit lighting and down lighting in small areas.
- Surface mount.
- 12 x Super bright LEDs with a light output comparable to a 15-20 watt halogen.
- Tinned wires.
- Protection Rating: IP66.
- Dimmable switch compatible.
- **70945**: Touch sensor with a chrome surround.  
Touch on touch off.  
Not dimmable.
- 1 year warranty.

## LED - Ceiling Light - Touch - Round

Part No.	LED Colour	LED Qty	Volts (V)	Amps (A) 12/24	Watts (W)	Dimensions Ø x D (mm)
709752	White	42	12/24	0.25/0.15	3	130 x 11
709753	White/Red	18/6	12/24	0.25/0.15	3	130 x 11



- Ideal for RV's and Caravans.
- Dimmable.
- ABS housing.
- Sealed ESD protected LED's
- 3 touch settings.
- **709752**: Touch on.  
Touch dim.  
Touch off.
- **709753**: Touch on.  
Touch red.  
Touch off.
- Surface mount.
- Protection Rating: IP66.
- LED lifespan of 50,000 hours.
- 130mm tinned wires.
- Includes 1x silver and 1x white trim for choice of finish.
- 1 year warranty.



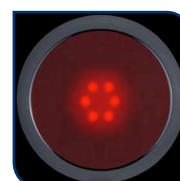
Only 11mm thick



Touch on/off



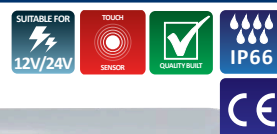
709752/709753 White



709753 Red LED's

## LED - Ceiling Light - Touch - Rectangle

Part No.	LED Colour	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	LED Qty	Dimensions L x W x D (mm)
70989	White	216	12/24	0.26	3.12	60	220 x 100 x 13



- Ideal for use in all interior marine, caravan, motorhome and camper trailer applications.
- Polycarbonate lens.
- 60 Powerful SMD LED's.
- Decorative bezel to hide the mounting fixtures.
- Surface mount.
- Protection Rating: IP66.
- Touch on/dim/off switch.
- Memory function recalls last setting when centrally switched.
- 1 year warranty.

Touch sensor

## LED - Strip Lamp - Switch



Part No.	LED Colour	Lumens (lm)	LED Qty	Volts (V)	Amps (A)	Watts (W)	Dimensions L x W x D (mm)	Pack Qty
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709768	White	270	10	12	0.45	5.4	320 x 40 x 15.3	1
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**NEW ENTRY**

**709768-BULK** White LED Strip Lamp - 10 Pack



Soft push on/off



- Ideal for use in all interior marine, caravan, motorhome and camper trailer applications.
- ABS plastic cover.
- Surface mount.
- Push button on/off.
- Easy to install.
- Protection Rating: IP66.
- 1 year warranty.



## LED - Ceiling Light - Ultrabright Slimline



Part No.	LED Colour	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Dimensions L x W x D (mm)
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70981	Cool White	504	12	0.48	5.8	368 x 45 x 10.4
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**NEW ENTRY**

**70981-BULK** Cool White LED Ceiling Light - 10 Pack



Soft push on/off



- Ideal for use in all interior marine, caravan, motorhome and camper trailer applications.
- Sealed polycarbonate LED housing.
- 72 x bright 2835SMD chip LEDs.
- White gloss powder coated finish aluminium housing.
- Slimline attractive design.
- Tinned wires.
- Low profile switch.
- 1 year warranty.



## LED - Interior Strip Light - Swivel



Part No.	LED Colour	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Dimensions L x W x D (mm)
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70961	Cool White	144	12	0.12	1.44	223 x 33 x 34
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70962	Cool White	384	12	0.32	3.84	467 x 33 x 34
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- Ideal use in all interior marine, caravan, motorhome and camper trailer applications. Most commonly used for cockpit lighting or galley lighting.
- Protrudes out 34mm.
- Super bright LEDs: **70961** x 9 5630 SMD's  
**70962** x 24 5630 SMD's
- Aluminium Housing with a swivel rail that rotates 180°.
- Tinned Wires.
- 1 year warranty.





70961



70962



## LED - Interior Strip Light - Slim - Swivel

Part No.	LED Colour	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Dimensions L x W x D (mm)
 <b>70970</b>	Cool White	288	12	0.24	2.88	347 x 25 x 20
 <b>70970-BULK</b>	Cool White Slim LED Interior Strip Light - 20 Pack					







- Ideal for use in all interior marine, caravan, motorhome and camper trailer applications. Most commonly used as an under gunwale, cockpit, cabin or galley lighting.
- 18 Super bright 5630 SMD LEDs.
- Light output comparable with an 8 watt fluoro.
- Mini rocker switch.
- Rotates 180 degrees.
- Tinned wires.
- 1 year warranty.



Mini rocker switch



## LED - Cabin Light - Slimline - Aluminium



Part No.	LED Colour	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Dimensions L x W x D (mm)
 <b>70996</b>	Cool White	540	12	0.75	9	600 x 90 x 15
 <b>70998</b>	Cool White	216	12	0.3	3.6	300 x 90 x 15
 <b>70997</b>	Cool White	540	24	0.75	9	600 x 90 x 15
 <b>70999</b>	Cool White	216	24	0.3	3.6	300 x 90 x 15



- Ideal for use in all interior marine, caravan, motorhome and camper trailer applications. Most commonly used to light up galleys, saloons and engine rooms.
- Aluminium extrusions with silver plastic end covers.
- **70996/70997**: 240 x super bright LEDs.
- **70998/70999**: 96 x super bright LEDs.
- 1 year warranty.



## LED - Strip Light - Slimline

Part No.	LED Colour	Lumens (lm)	LED Qty	Volts (V)	Amps (A)	Watts (W)	Dimensions L x W x D (mm)	Pack Qty
 <b>709764</b>	White	200	10	12	0.2	3.4	230 x 24 x 11	1
 <b>709764-BULK</b>	White	200	10	12	0.2	3.4	230 x 24 x 11	10




- Ideal for use in all interior marine, caravan, motorhome and camper trailer applications.
- ABS plastic cover.
- Surface mount.
- Easy to install.
- Protection Rating: IP66.
- 1 year warranty.



Only 11mm thick



## LED - Light Bar - Low Profile

Part No.	LED Colour	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Dimensions L x W x D (mm)
 <b>709675</b>	Natural White	120	12	0.14	1.8	360 x 15 x 6



- Ideal for under cabinets or storage areas for lighting.
- Surface mounting extends out 6mm.
- Cables can be fed through the side or back of the housing.
- Tinned wires.
- Stainless steel mounting brackets.
- 2 years warranty.



Slide mounting brackets



Side wire harness



Back wire harness





## LED - Cabinet Light

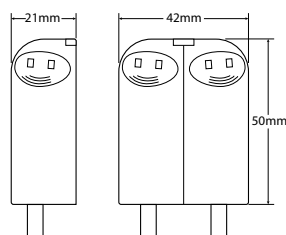


Part No.	Housing Colour	Lumens (lm)	Volts (V)	Watts (W)	LED Angle	Light Up	Dimensions L x W x D (mm)
709782	ABS Plastic - White	26	4.5	0.28	90 ~120°	Pressure Switch	50 x 42 x 21



Installing or Replacing Batteries

- Pressure switch activated.
- Four ultra bright white LEDs.
- Ultra long LED Lifespan.
- Low power consumption - 0.28W
- The Batteries will last approximately 1200 "Door Openings" x 20 second.
- Battery Type: LR44 x 6 (Included)
- Operating Temperature: -10 ~+50 °C
- Housing Material: ABS white plastic.
- 4 x 6 gauge screws included.
- Certified in compliance IP54 / CE certified.



## LED - Cabinet Sensor Light

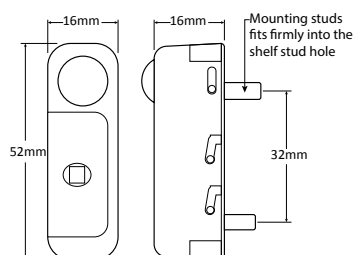


Part No.	Housing Colour	Lumens (lm)	Volts (V)	Watts (W)	LED Angle	Sensor	Timer (Seconds)	Dimensions L x W x D (mm)
709784	ABS Plastic - White	12	4.5	0.15	120°	PIR	15	52 x 16 x 16



Installing and Replacing Batteries

- Ultra bright single white LED.
- Ultra long LED Lifespan.
- Low power consumption: 0.15W
- Battery Type: L1154 x 3
- The Batteries will last approximately 2500 "Door Openings".
- Switch-on timer: 15sec
- Low battery warning: 2.5V, flashing 1~2Hz
- Operating Temperature: -10 ~+50 °C
- Housing Material: ABS white plastic.
- Certified in compliance IP44 / CE certified.



## LED - Hand Rail - Blue Illumination



Part No.	LED Colour	Frame Colour	Volts (V)	Amps (A)	Watts (W)	Dimensions L x W x D (mm)
70974	Blue	Chrome Ends	12	0.52	6.24	510 x 34 x 55



Handrail LED on

- Ideal for use in all interior marine, caravan, motorhome and camper trailer applications. Most commonly used as galley or stairway lighting.
- Chrome plated die cast zinc alloy end caps.
- 2 x stainless steel mounting gaskets.
- 1 year warranty.





## LED - Hand Rail Light

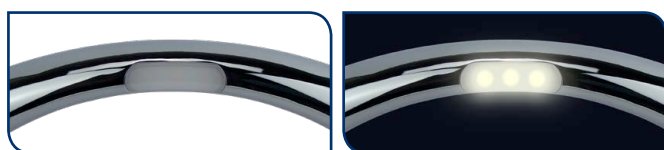
Part No.	LED Colour	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Dimensions L x W x D (mm)
<b>709778</b>	Blue	72	12	0.15	1.5	330 x 46 x 68
<b>709778-BULK</b> Blue LED Hand Rail - <b>10 Pack</b>						
<b>709779</b>	White	72	12	0.15	1.5	330 x 46 x 68
<b>709779-BULK</b> White LED Hand Rail - <b>10 Pack</b>						





- Ideal for use in all interior marine, caravan, motorhome and camper trailer applications. Most commonly used as galley or stairway lighting.
- 3 SMD LED chips.
- Light up stairs for a safer step.
- Thermal shock resistant.
- Arch shape, could be used as an arm rest.
- Stainless steel dress cover with powder coated aluminium frame.
- Protection Rating: IP66.
- 1 year warranty.



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## LED - Door Handle

Part No.	Housing Colour	Volts (V)	Watts (W)	LED Qty	Dimensions W x H x D (mm)
 <b>709776</b>	White	12	0.24	12	150 x 236 x 48
 <b>709777</b>	Black	12	0.24	12	150 x 236 x 48



- 50,000 hours LED life span.
- Low profile.
- Easy to install.
- UV resistant fibreglass reinforced polycarbonate body.
- Waterproof toggle switch, push button.
- Illuminates top and bottom.
- Water tight silicone rubber gasket.
- Stainless steel mounting screws and plastic screw caps included.
- Protection Rating: IP67.
- 1 year warranty.



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Easily find your caravan/RV

Lights up top and bottom

Waterproof toggle switch On/Off



## Map & Reading Lights

### LED - Reading Lights - Swivel



NEW ENTRY



Part No.	LED Colour	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Height (mm)	Base (mm)
70942	Cool White	120	12	0.05	0.6	86	42 x 80
70943	Cool White	168	12	0.05	0.68	86	42 x 80
53211	Replacement LED - suits 70942						

- Ideal for use in marine, caravan, motorhome and camper trailer applications.
- 70943: 24 x super bright 2835 SMD LEDs.
- 70942: 6 x super bright 5050 SMD LED's.
- Rocker switch.
- Swivel.
- 1 year warranty.



Mini rocker switch

### LED - Reading Lights - Stainless Steel



Part No.	LED Colour	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Height (mm)	Base (mm)
709876	Warm White	150	10-30	0.17	2	125	86
709874	Cool White	150	10-30	0.17	2	125	86

- Ideal for use in all interior marine, caravan, motorhome and camper trailer applications. Most commonly used as a cabin or bunk reading light.
- 10 x super bright 5050 SMD chip LEDs
- 120° of lighting angle.
- 2 way switch on/off.
- Polished stainless steel frame.
- 1 year warranty.



Mini rocker switch

### LED - Map/Reading Lights



Part No.	LED Colour	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Length (mm)
70971	Cool White	192	12	0.16	1.92	500
70972	Cool White	192	12	0.16	1.92	460

- Ideal for use in all smaller interior marine, caravan, motorhome and camper trailer applications. Most commonly used for bed head lighting in camper trailers.
- 12 x super bright 5630 SMD LEDs.
- Flexi neck enabling it to be put in almost any position required.
- Horizontal and vertical mounting.
- Mini rocker switch.
- 1 year warranty.



12 Super Bright LEDs



Mini rocker switch





## LED Strip Lights - Flexible

## Bright 3528 Strips

Part No.	LED Colour	LEDs Per Metre	Volts (V)	Amps (A)	Watts (W)	Length (M)	Width (mm)
709882	Warm White	60	12	0.4	4.8	1	11
709884	Warm White	60	12	1.3	15.6	5	11
709886	Red	60	12	0.4	4.8	1	11
709888	Cool White	60	12	0.4	4.8	1	11
709890	Cool White	60	12	1.3	15.6	5	11
709892	Blue	60	12	0.4	4.8	1	11
709894	Blue	60	12	1.3	15.6	5	11

## Super Bright 5050 Strips

Part No.	LED Colour	LEDs Per Metre	Volts (V)	Amps (A)	Watts (W)	Length (M)	Width (mm)
709895	Red	60	12	3.4	40.8	5	12
709896	Blue	60	12	3.4	40.8	5	12
709897	Cool White	60	12	3.4	40.8	5	12

## Strip Light Accessories

709879	End Caps to suit 5050 Strip Lights
709881	Connector to suit LED Strip Lights
709898	Plastic Mounting Saddles
709899	End Caps to suit 3528 Strip Lights

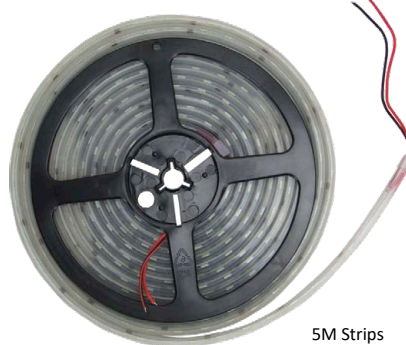
- Ideal for under gunwales, around baitboards, rocket launchers, bow and stern rails, lockers, cupboards.
- Protection Rating: IP68.
- 1M Strips: 3 x mounting saddles.  
140mm positive/negative wire.
- 5M Strips: 10 x mounting saddles.  
140mm positive/negative wire.
- 2 year warranty.



1M Strips



709898



5M Strips



709879/709899



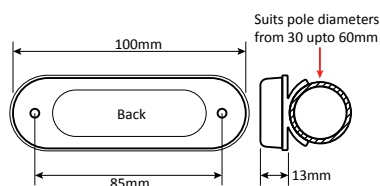
709881

## LED - Bimini Light

Part No.	LED Colour	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Dimensions L x W x D (mm)
70983	Cool White	80	12	0.15	2	104 x 35 x 13



- Ideal for bimini's, bull bars and roll bars.
- Curved mounting bracket suits bar between 30 and 60mm
- Can be mounted onto a flat surface.
- Waterproof button switch on/off in the middle of the panel.
- Protection Rating: IP65.
- Anti rattle rubber mounting bracket.
- Pre-wired with 300mm wire.
- 304G stainless steel cover.



Curved mounting bracket to suit bimini bar



## LED Underwater Lights Docking & Courtesy Lights



### LED Docking Light - Surface Mount



- Stylish tear drop design.
- 8 x 5050 LEDs on the side and 2 x high power LED's at the front.
- High strength polycarbonate sealed housing.
- 304G stainless steel polished cover.
- Protection Rating: IP67.
- 1 year warranty.

NOTE: Sold in pairs.



High power front LED's



5050 side LED's

Part No.	LED Colour	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Dimensions Ø x D (mm)
709664	Cool White	50	12	0.1	1.2	38 x 6.5
709666	Blue	50	12	0.1	1.2	38 x 6.5



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- Bright and durable surface mount illumination suitable for a variety of indoor or outdoor applications.
- 1 x Taiwanese 3535 LED sealed in epoxy.
- Polycarbonate optical lens.
- 304G stainless steel cover.
- Tinned wire.
- Protection Rating: IP66.
- 1 year warranty.

NOTE: Sold in pairs.

### LED - Courtesy Light - Step



Part No.	LED Colour	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Dimensions L x W (mm)
709688	Blue	100	12	0.15	1.8	79 x 22.5
709692	Cool White	100	12	0.15	1.8	79 x 22.5

- Bright and durable surface mount suitable for a variety of indoor and outdoor applications.
- 3 x Taiwanese 3535 LED chips comparable to a 10 watt halogen.
- LEDs are sealed in polycarbonate.
- 304G stainless steel frame.
- Protection Rating: IP68.
- Rated at 50000 hours.
- Suitable for underwater use.
- 5 year warranty.

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### LED - Live Bait Tank Light






Part No.	LED Colour	Volts (V)	Amps (A)	Watts (W)	Cut Out Ø (mm)	Dimensions Ø x D (mm)
53980	White	12	0.02	1	20	38 x 26
53984	Blue	12	0.02	1	20	38 x 26

- Ideal for courtesy and stairway lighting.
- Protection Rating: IP67.
- Supplied with: 260mm wiring.  
2 x Gaskets.  
1 x Nylon backing nut.
- 1 year warranty.

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## LED - Underwater Light - Surface Mount

Part No.	LED Colour	Lumens (lm)	LED Qty	Volts (V)	Amps (A)	Watts (W)	Dimensions L x W x D (mm)
 709610	White	500	6	12	0.9	10.8	150 x 47 x 18
 709610-BULK	White LED Underwater Light - 6 Pack						
 709614	Blue	150	6	12	0.9	10.8	150 x 47 x 18
 709614-BULK	Blue LED Underwater Light - 6 Pack						



- Sealed watertight construction, ideal for underwater lighting and trim tab lighting.
- Primary spot output is 60° from mounting surface and diffused lens produces a 90° light output.
- Sealed in a polycarbonate housing.
- Protection Rating: IP68.
- 316G stainless steel frame.
- 5 year warranty (Excludes permanently moored vessels).

NOTE: Designed for underwater use only, these lights are cooled by water.



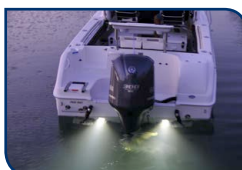
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LED's are completely sealed in polycarbonate housing





316G stainless steel frame



Next Gen ultra bright LED's

## LED - Underwater Trailer Boat Light - Surface Mount

Part No.	LED Colour	Lumens (lm)	LED Qty	Volts (V)	Amps (A)	Watts (W)	Dimensions L x W x D (mm)
 709624	White	1400	12	10-30	0.9	15	170 x 50 x 21
 709624-BULK	Underwater Trailer Boat LED Light White - 6 Pack						
 709626	Blue	300	12	10-30	0.9	15	170 x 50 x 21
 709626-BULK	Underwater Trailer Boat LED Light Blue - 6 Pack						



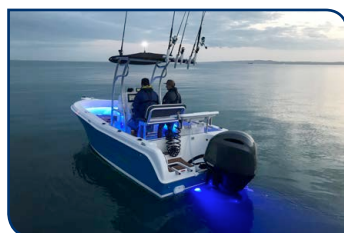
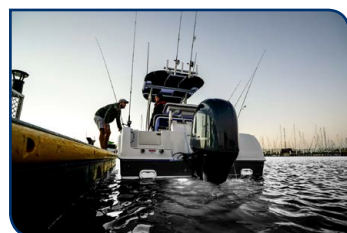
- Sealed watertight construction, ideal for underwater lighting and trim tab lighting.
- Primary spot output is 60° from mounting surface and diffused lens produces a 90° light output.
- Sealed in a polycarbonate housing.
- Protection Rating: IP68.
- 316G stainless steel frame.
- 2 year warranty.

NOTE: Recommended for trailer boats.

Designed for underwater use only, these lights are cooled by water.



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## LED - Underwater/Platform Light - Mag

Part No.	LED Colour	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Dimensions Ø x D (mm)
709604	Blue	140	DC 12-28	0.8 - 12V	10	80 x 25



- Ultra bright 3 LED light beam.
- This compact light can be used anywhere in water or as deck lighting.
- LED sealed in aluminium with a cast 316G stainless steel frame with multiple seals designed for the harsh marine environment.
- Low power consumption.
- Low temperature.
- Protection Rating: IP68.
- Surface mounting.
- 1 year warranty.







LED Supervision Spreader Lights



Part No.	Beam Pattern	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Dimensions L x W x D (mm)	
709724	Flood	1440	10-30	2	24	152 x 78 x 70	
709736	Euro	2160	10-30	3	36	229 x 78 x 70	
709750	Euro	2880	10-30	4	48	137 x 78 x 117	



709724



- Ideal for a wide variety of applications including marine, off road, construction, industrial, agricultural, mining and commercial.
- Light output comparable to a 50-75 watt halogen.
- **709712/709718:** 4 x 3W LEDs.
- **709724:** 8 x 3W LEDs.
- **709736:** 12 x 3W LEDs.
- **709750:** 16 x 3W LEDs.
- Designed to be mounted onto rails, rocket launchers or flat surfaces with a low profile mounting depth of 57mm.
- Can be angled 15° up or down once mounted.
- Aluminium housing with a PC lens and stainless steel fastenings.
- Protection Rating: IP66.
- Two wire installation with a waterproof deutsch plug.
- Rubber shock isolators making it vibration proof.
- CE certified.
- 2 year warranty.



709736





709750





## LED - Flood/Work Light

Part No.	Housing Colour	Lumens (lm)	Beam	Volts (V)	Amps (A) 12/24	Watts (W)	Dimensions L x H (mm)
 <b>709744</b>	White	1000	Flood	12/24	1.8/0.9	22	100 x 100
 <b>709746</b>	Black	1000	Flood	12/24	1.8/0.9	22	100 x 100




- Die-cast aluminium housing with UV-resistant polycarbonate lens.
- 304G stainless steel universal mount.
- Protection Rating: IP68.
- Bolt size 3/16" x 1".
- Light spread of 40°.



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## LED - Flood Light



Part No.	LED Colour	Lumens (lm)	Beam	Volts (V)	Amps (A)	Watts (W)	Dimensions L x H (mm)
 <b>70990</b>	Cool White	500	Flood	10-30	0.6	7.2	130 x 95



- Ideal for use in all smaller exterior marine, caravan, motorhome and camper trailer applications. Most commonly used for deck, rocket launcher, caravan awning and reversing lights.
- Protection Rating: IP66.
- Powder coated aluminium frame.
- Stainless steel fittings.
- 1 year warranty.

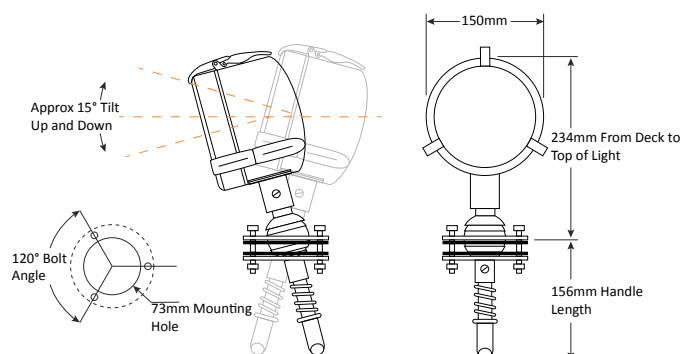


## Spot Light - Hardtop - Manual - Stainless Steel

Part No.	Tilt	Volts (V)	Bulb Watts (W)	Deck Maximum Thickness (mm)	Diameter (mm)
 <b>701804</b>	30°	12	100	35	150
 <b>701806</b>	30°	24	250	35	150



- Solid brass chrome plated handle.
- Rubber gaskets provide a water tight seal.
- Nylon ball joint holder provides smooth and easy movement.
- Sealed mirror reflector.
- Stainless steel housing.
- All materials are noncorrosive and nonmagnetic.
- Stainless steel mounting bolts included.
- 1 year warranty.





## Spot Lights

### LED - Spot Light - Deluxe



Part No.	Lumens (lm)	Rotation	Tilt	Amps (A)	Volts (V)	Weight (kg)	Dimensions L x W x H (mm)
70182	4000	355°	50°	8	12	5.5	210 x 200 x 250
70187	10.5m Control Cable Extension						

NEW ENTRY



- Ultra bright white uniform beam with low power consumption.
- UV stabilised housing with impact and vibration adsorption.
- Aluminium housing.
- 355° rotation in 13 seconds (Fast mode).
- Protection Rating: IP67.
- Thermal protection.
- Certified in compliance with IEC 60598-2-5:1998 (safety), EN55015

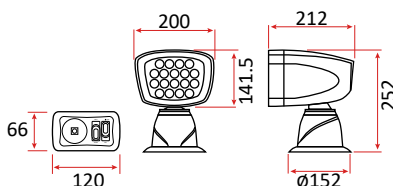
#### Joystick Control Panel:

- Joystick provides smooth effective operation.
- Power on and off switch, 2 Speed switch (horizontal rotation).
- Modern panel design with composite stylish faceplate.
- Water Resistant.

*Caution: Not suitable for boats that regularly exceed 15 knots in rough water.*



FORMAR



### Spot/Flood Light - Stainless Steel



Part No.	Lumens (lm)	Rotation	Tilt	Amps (A)	Volts (V)	Dimensions L x W x H (mm)
70184	2500	350°	60°	8	12	212 x 114 x 252
70186	2500	350°	60°	4	24	212 x 114 x 252
70187	10.5m Control Cable Extension					

NEW ENTRY

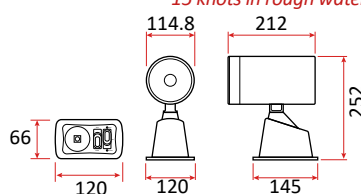


- 100W Halogen bulb.
- 316G stainless steel.
- 350° rotation in 13 seconds (Fast mode).
- Dual speed (Normal / Fast).
- Protection Rating: IP67.
- Jam protection.
- 775m of lighting range @ 0.25 Lux².
- Certified in compliance with EN55015 + EN61547 CE certified.

#### Joystick Control Panel:

- Joystick provides smooth horizontal vertical operation.
- Power on and off switch.
- Normal and fast speed switch.
- Modern panel design with composite stylish faceplate.
- Water Resistant.

*Caution: Not suitable for boats that regularly exceed 15 knots in rough water.*



FORMAR





## Spot Light - Joy Stick

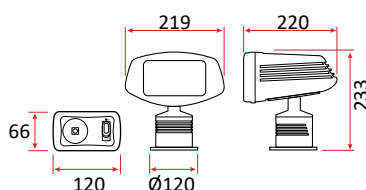
Part No.	Lumens (lm)	Rotation	Tilt	Amps (A)	Volts (V)	Weight (kg)	Dimensions L x W x H (mm)
 70181	900	352°	70°	6	12	2	220 x 219 x 233







- 50W spot light sealed beam.
- Halogen bulb.
- UV stabilised ASA plastic.
- Corrosion proof and impact resistant.
- ASA plastic making it suitable for all marine environments.
- 0.25 Lux @ 350m.
- 1.5m power cable supplied.
- Protection Rating: IP65.
- Certified in compliance with EN55015 + EN61547 CE certified.

**Joystick Control Panel:**

- Joystick provides smooth horizontal vertical operation.
- Power on and off switch.
- Modern panel design with composite stylish faceplate.
- Water Resistant.

**FORMAR**

## Search Light - Remote

Part No.	Colour	Rotation	Tilt	Volts (V)	Bulb Watts (W)	Dimensions L x W x H (mm)
 70180	White	360°	70°	12	55	220 x 160 x 220
 70190	White	360°	70°	12	2 x 55	220 x 257 x 210
 70192	White	360°	70°	24	2 x 55	220 x 257 x 210
 70198	Replacement 12V sealed bulb to suit single search light					
70199	Replacement 24V sealed bulb to suit single search light					
70197	Replacement 12V sealed bulb to suit double search light					
70193	Replacement 24V sealed bulb to suit double search light					
70196	Replacement 12V Dual Station Control					
70195	Replacement 24V Dual Station Control					
70178	Replacement 12V Remote Control					
70179	Replacement 24V Remote Control					
70194	4 Metre Extension Cable					
701811	24V 170W Sealed Beam suits 70180					



- Sealed beam.
- ABS plastic making it suitable for all marine environments.
- UV resistant.
- Fully waterproof construction.
- Search lights include a waterproof remote control and quick lead.
- Protection Rating: IP67.

**Control panel:** Cut out dimensions 90mm x 60mm x 70mm (L x W x D).  
3 way switch deep light/off/short light.  
Waterproof 4 way movement buttons.

*Caution: Not suitable for boats that regularly exceed 15 knots in rough water.*



Replacement dual station control



70194



70197



70198/70199



70180



70190/70192

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# Navigation Lights

## LED Navigation Lights



### LED - Navigation Lights - Portable/Emergency



Suction mount for 709651/709654

NEW ENTRY

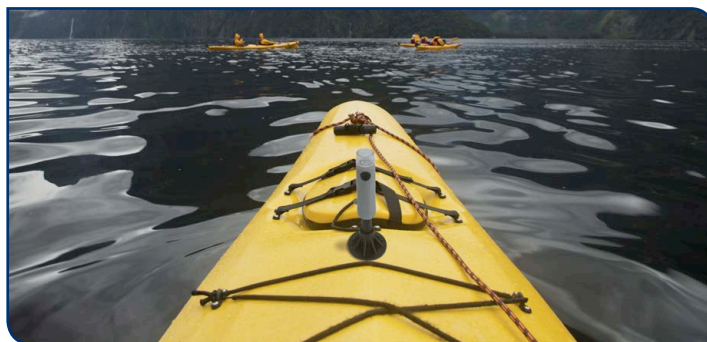
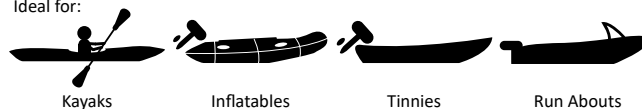
Part No.	Type	Lumens (lm)	Mount Type	Light Angle	Volts (V)	Amps (A)	Watts (W)	Height (mm)
709651	Bi-Colour	45	Screw/Suction	225°	4.5	0.1	0.5	97
709651-BULK	Bi-Colour Portable Navigation Light - 10 Pack							
709654	All Round White	45	Screw/Suction	360°	4.5	0.1	0.5	171
709654-BULK	Small All Round White Portable Navigation Light - 10 Pack							
709656	All Round White	45	Screw	360°	4.5	0.1	0.5	650
709656-BULK	Large All Round White Portable Navigation Light - 5 Pack							

- Ideal for small boats or kayak.
- Quick release pin for portability and storage.
- High-impact plastic construction.
- LED sealed polycarbonate housing.
- Water resistant switch.
- Multiple mounting options.
- Protection Rating: IP65.
- 3 x AAA batteries that will last up to 72 hours with normal use.
- 1 year warranty.



NOTE: Batteries not included.

Ideal for:



### LED Navigation Lights - Horizontal Mounting



709631 - Front

709631 - With stainless steel cover

709632

709632 - With stainless steel cover

NEW ENTRY

Part No.	Frame	Angle	Type	Volts (V)	Amps (A)	Watts (W)	Dimensions L x W x D (mm)
709631	White	112.5°	Bi-Colour	12	0.1	1.1	86 x 69 x 39
709631-BULK	Bi-Colour Navigation Light - 10 Pack						
709632	White	112.5°	P & S	12	0.9	1.1	88 x 69 x 39
709632-BULK	P & S Navigation Light - 10 Pack						

- UV resistant polycarbonate housing.
- 3 x 5050 SMD LED's.
- Protection Rating: IP67.
- Internationally approved ABYC-A16/USCG, 2 NM up to 12 meter vessels.
- Horizontal mount.
- Includes stainless steel covers.
- CE approved.

NOTE: 709632 sold in pairs.



Stainless steel cover slides over the light



## LED - Port &amp; Starboard Navigation Lights - Vertical Mounting

Part No.	Frame	Angle	Type	Volts (V)	Amps (A)	Watts (W)	Dimensions L x W x H (mm)
709636	White	112.5°	P & S	12	0.1	1.1	77 x 55 x 38
709636-BULK	White P & S Navigation Light - 10 Pack						
709638	Black	112.5°	P & S	12	0.1	1.1	77 x 55 x 38
709638-BULK	Black P & S Navigation Light - 10 Pack						
709634	Stainless Steel	112.5°	P & S	12	0.1	1.1	79 x 57 x 40
709634-BULK	Stainless Steel P & S Navigation Light - 10 Pack						

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- UV resistant polycarbonate housing with 304G stainless steel cover.
- 3 x 5050 SMD LED's.
- Protection Rating: IP67.
- **Internationally approved ABYC-A16/USCG, 2 NM up to 12 meter vessels.**
- Side Mount.
- Wire 500mm tinned.
- CE approved.

NOTE: Sold as a pair.

## LED - Stern Light - Stainless Steel

Part No.	LED Colour	Angle	Type	Housing	Volts (V)	Amps (A)	Watts (W)	Dimensions L x D (mm)
709630	White	135°	Stern	Stainless Steel	12	0.02	0.3	88 x 15



- 4 hole surface mounting clear acrylic base with a 316G stainless steel cover.
- Low profile.
- 3 x 5050 SMD LED's
- Protection Rating: IP67.
- **Internationally approved ABYC-A16/USCG 2NM up to 12 meter vessels.**
- Mounting screws included.
- CE approved.

## LED - Orsa Navigation Lights

Part No.	Frame	Type	Angle	Volts (V)	Amps (A) 12/24	Watts (W)	Dimensions L x H x D (mm)
709520	Black	Port	112.5°	12/24	0.18/0.09	2.2	70 x 64 x 59
709521	Black	Starboard	112.5°	12/24	0.18/0.09	2.2	70 x 64 x 59
709522	Black	Stern	135°	12/24	0.18/0.09	2.2	70 x 64 x 59
709523	Black	Masthead	225°	12/24	0.18/0.09	2.2	70 x 64 x 59
709524	White	Port	112.5°	12/24	0.18/0.09	2.2	70 x 64 x 59
709525	White	Starboard	112.5°	12/24	0.18/0.09	2.2	70 x 64 x 59
709526	White	Stern	135°	12/24	0.18/0.09	2.2	70 x 64 x 59
709527	White	Masthead	225°	12/24	0.18/0.09	2.2	70 x 64 x 59
709528	Chrome	Port	112.5°	12/24	0.18/0.09	2.2	70 x 64 x 59
709529	Chrome	Starboard	112.5°	12/24	0.18/0.09	2.2	70 x 64 x 59
709530	Chrome	Stern	135°	12/24	0.18/0.09	2.2	70 x 64 x 59
709531	Chrome	Masthead	225°	12/24	0.18/0.09	2.2	70 x 64 x 59



- UV resistant housing.
- High powered LED.
- Reverse polarity protected.
- Protection Rating: IPX6.
- **Internationally approved ABYC-A16/USCG, 2 NM up to 20 meter vessels.**
- Side Mount.
- Up to 50,000 hours.
- CE approved.

NOTE: Sold in singles.



## LED Navigation Lights

### LED - Anchor Lights - Folding



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709642

NEW ENTRY



Part No.	LED Colour	Approved Minimum Visibility	Volts (V)	Amps (A)	Watts (W)	Lens Dia. Ø (mm)	Length (mm)
709642	White	2 NM	12	0.1	1	55	300
709643	White	2 NM	12	0.0	1	55	600

- Polycarbonate housing with alloy shaft.
- Wing nut for quick release folding base.
- **Internationally approved USCG COLREG 2NM A-16 up to 12 meter vessels.**
- 1 year warranty.

709643

### LED - Anchor Lights - Telescopic - Plug-In



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NEW ENTRY



Part No.	LED Colour	Approved Minimum Visibility	Volts (V)	Amps (A)	Watts (W)	Lens Dia. Ø (mm)	Length (mm)
709641	White	2 NM	12	0.83	1	60	860 - 1520
709641-BULK	Telescopic Plug-In 860mm - 1520mm - 6 Pack						
709640	White	2 NM	12	0.8	1	60	660 - 1210
709640-BULK	Telescopic Plug-In 660mm - 1210mm - 6 Pack						

- Telescopic 360° LED Anchor light extends from 860mm to 1520mm for improved visibility.
- Ultra durable sealed polycarbonate housing with an anodised aluminium shaft.
- **Internationally approved ABYC-A16 USCG 2 NM up to 12 meter vessels.**
- Can be removed for storage when not being used.
- Telescopic pole.
- 1 year warranty.



### LED - Plug-In Anchor Light - Bases



709644

709646

Part No.	Description	Dimensions L x W x H (mm)	Protrusion (mm)
709644	Round Stainless Steel Light Base Socket with Adapter	54 x 54 x 97	57
709646	Nylon Light Base Socket	100 x 42 x 90	64

- Fits most after market plug-in anchor lights.
- Mounting screws included.



## LED - Anchor Light

Part No.	LED Colour	Approved Minimum Visibility	Volts (V)	Amps (A)	Watts (W)	Base L x W (mm)	Dimensions Ø x H (mm)
709639	White	2 NM	12	0.08	1	60 x 25	56 x 104



- Fixed surface mount 360° LED Anchor light.
- Bright Taiwanese LED chip sealed in a polycarbonate housing.
- 360° lighting area.
- **Internationally approved ABYC-A16 USCG 2 NM up to 12 meter vessels.**
- 170mm length of tinned wire and mounting screws included.
- 3mm mounting holes.
- 1 year warranty.

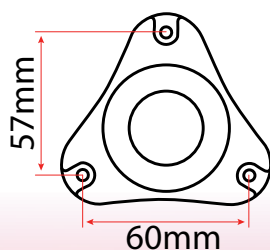
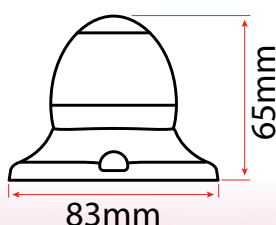


## LED - All Round Anchor Light

Part No.	LED Colour	Approved Minimum Visibility	Volts (V)	Base L x W (mm)	Dimensions Ø x H (mm)
709648	White	3 NM	12	83 x 83	83 x 35



- Ideal for yachts and power boats up to 50 metres.
- Fixed surface mount 360° LED Anchor light.
- Bright Taiwanese LED chip sealed in a polycarbonate housing.
- 360° lighting area.
- **Internationally approved ABYC-A16 USCG 2 NM up to 12 meter vessels.**
- 4.6mm mounting holes.
- Protection Rating: IP67.



## LED Navigation Lights

### LED - Masthead & Foredeck Lamp



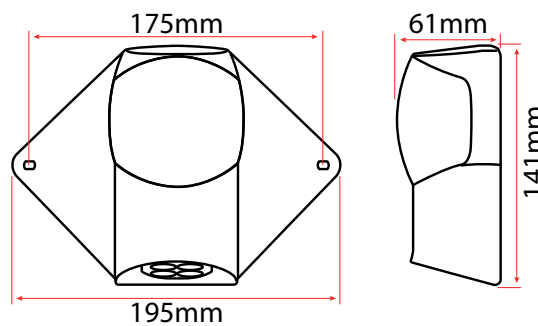
Part No.	LED Colour	Approved Minimum Visibility	Volts (V)	Base L x W (mm)	Dimensions W x H x D (mm)
<b>NEW ENTRY</b> 709628	White	3 NM	9-33	195 x 141	195 x 141 x 61



- Ideal for yachts and power boats up to 20 metres.
- Flexible mounting wings.
- Can be mounted on a variety of mast profiles.
- 225° lighting area.
- Illuminates large areas of deck or superstructure.
- **Internationally approved ABYC-A16 USCG 2 NM up to 12 meter vessels.**
- Protection Rating: IP67.



Down light for illuminating deck areas



## Navigation Lights - Large Vessel

### Navigation Lights 55 Series



	Part No.	Type	Light Colour	View Angle	Approved Distance	Vessel Size	Volts (V)	Dimensions Ø x H (mm)
<b>NEW ENTRY</b>	7092804	Masthead	White	225°	5 N.M	Less Than 50Mtr	12/24	160 x 222
<b>NEW ENTRY</b>	7092805	Stern	White	135°	2 N.M	Less Than 50Mtr	12/24	160 x 222
<b>NEW ENTRY</b>	7092806	Starboard	Green	112.5°	2 N.M	Less Than 50Mtr	12/24	160 x 222
<b>NEW ENTRY</b>	7092807	Port	Red	112.5°	2 N.M	Less Than 50Mtr	12/24	160 x 222
<b>NEW ENTRY</b>	7092809	All Round	White	360°	2 N.M	Less Than 50Mtr	12/24	160 x 222
<b>NEW ENTRY</b>	7092810	All Round	Green	360°	2 N.M	Less Than 50Mtr	12/24	160 x 222
<b>NEW ENTRY</b>	7092811	All Round	Red	360°	2 N.M	Less Than 50Mtr	12/24	160 x 222
<b>NEW ENTRY</b>	7092813	Towing	Yellow	135°	2 N.M	Less Than 50Mtr	12/24	160 x 222



360° models shown

- Matt black polycarbonate reinforced with fibreglass.
- Fresnel polycarbonate shock resistant lens.
- Protection Rating: IP56.
- Requires a BAY15D, 12V or 24V bulb.
- Cable Gland PG13 from below or from the side.





## Navigation Lights 70 Series

Part No.	Type	Light Colour	View Angle	Approved Distance	Vessel Size	Volts (V)	Dimensions Ø x H (mm)	
 7092823	Masthead	White	225°	6 N.M	20Mtr Plus	24/220/240	200 x 290	
 7092824	Stern	White	135°	3 N.M	20Mtr Plus	24/220/240	200 x 290	
 7092826	Starboard	Green	112.5°	3 N.M	20Mtr Plus	24/220/240	200 x 290	
 7092827	Port	Red	112.5°	3 N.M	20Mtr Plus	24/220/240	200 x 290	
 7092828	Tow	Yellow	135°	3 N.M	20Mtr Plus	24/220/240	200 x 290	
 7092831	All Round	Red	360°	3 N.M	20Mtr Plus	24/220/240	200 x 290	
 7092832	All Round	White	360°	3 N.M	20Mtr Plus	24/220/240	200 x 290	





- Matt black polycarbonate reinforced with fibreglass.
- Fresnel polycarbonate shock resistant lens.
- Protection Rating: IP56.
- Requires a P28S, 24V or 220V or 240V bulb.
- Cable Gland PG13 from below or from the side.



360° models shown

## Navigation Lights 70 Series - Duplex

Part No.	Type	Light Colour	View Angle	Approved Distance	Vessel Size	Volts (V)	Dimensions Ø x H (mm)	
 7092823D	Masthead	White	225°	6 N.M	20Mtr Plus	24/220/240	200 x 470	
 7092824D	Stern	White	135°	3 N.M	20Mtr Plus	24/220/240	200 x 470	
 7092826D	Starboard	Green	112.5°	3 N.M	20Mtr Plus	24/220/240	200 x 470	
 7092827D	Port	Red	112.5°	3 N.M	20Mtr Plus	24/220/240	200 x 470	
 7092828D	Tow	Yellow	135°	3 N.M	20Mtr Plus	24/220/240	200 x 470	
 7092830D	All Round	Green	360°	3 N.M	20Mtr Plus	24/220/240	200 x 470	
 7092831D	All Round	Red	360°	3 N.M	20Mtr Plus	24/220/240	200 x 470	
 7092832D	All Round	White	360°	3 N.M	20Mtr Plus	24/220/240	200 x 470	



- Matt black polycarbonate reinforced with fibreglass.
- Fresnel polycarbonate shock resistant lens.
- Protection Rating: IP56.
- Requires 2x P28S, 24V or 220V or 240V bulbs.
- Cable Gland PG13 from below or from the side.



360° models shown

## Safety Light - LED Solar 360° Anchor

Part No.	Dimensions (mm)	LED Chip Size	IP Rating	LED Colour	Frame Colour	Light Angle	Visibility Distance
<b>NEW ENTRY</b> 50152	115 x 73.2	24 x SMD 3020	67	White	Black	360°	2NM



- Will function as an anchor light automatically when the sun goes down without anybody having to be on board.
- Light Functions:
  - » Day/Night 360° White Steady (anchor)
  - » White SOS
  - » Obstacle - Add Indicative Position
- Mounting: Vertical or Tube 19-32mm.
- Rechargeable Battery: Lithium-Solar.
- Wireless Remote Control Distance: Max. 20Mtr.
- Operation Time: Steady > 12h.
- Storage Temperature: -30°C~+65°C.
- The first function utilises light-sensitivity activation to automatically turn on/off.
- The other functions can be activated manually or via the wireless remote.
- Up to 12h operation in steady mode.
- The rechargeable lithium battery is powered by Solar.
- 72 hours initial charge may be required.
- Rated IP67 water and dust protection.
- To maintain optimal battery life the unit requires charging every 3 months when not in use.
- Can be used on vessels up to 50 metres.
- CE and FCC Approval.
- 1 year warranty.



## Light Functions:



Emergency Light Equipment  
360° White  
Visibility 2NM  
Max. Continuous Working Time: 12hrs

Wireless Remote  
Steady Light



Indicating-Position Light  
360° White  
Max. Continuous Working Time: 150hrs

Wireless Remote  
Single Flash 2s



Distress Signal Light  
360° White  
Max. Continuous Working Time: 20hrs

Wireless Remote  
SOS Signal



Obstacle Light  
360° White  
Max. Continuous Working Time: 150hrs

Light Activated  
Day/Night Quick Flash

## Includes:

- 1 x Shim
- 1 x Wireless Remote
- 1 x Instruction
- 1 x Anti Bird Thorn
- 2 x Nuts
- 6 x Screws
- 6 x Clips

## Applications:

- Small Ships
- Yachts
- Fishing Boats
- Kayaks
- Jetties
- Pontoons
- Watercraft
- Vessels up to 50m





## Safety Light - LED Solar / Wind Navigation

Part No.	Volts (V)	Watts (W)	Dimensions (mm)	LED Chip Size	IP Rating	LED Colour	Frame Colour	Visibility Distance
<b>50154</b>	8-33V	<4.5W	115 x 99.1	27 x SMD 3020, XB-D, CPDP	56	Tricolour (Port/Starboard/Stern) All Round Red or White(Warning/Anchor Light)	Black	2NM

- Designed as a Navigation and Safety combination light.
- 8-33V light functions are hardwired and controlled via the vessels switch board.
  - » Navigation (Port, Starboard, Stern)
  - » Anchor Light (All Round White)
- Safety/Warning lights utilise the lithium battery which is charged via Solar, and External power source.
- Solar powered functions:
  - » Day/Night Red Flash 2s
  - » Red Flash 1s
  - » Red Steady
  - » White SOS
  - » White Steady (anchor)
- Mounting: Vertical or Tube 19-32mm.
- Rechargeable Battery: Lithium-Solar.
- Remote Control Distance: Max. 30Mtr.
- Storage Temperature: -30°C~+65°C.
- Solar powered functions will not operate while hardwired functions are in operation.
- 72 hours initial charge may be required.
- To maintain optimal battery life the unit requires charging every 3 months.
- Can be used on vessels up to 20Mtr.
- Designed according to the COLREG72, EN14744 and IEC60945 standards.
- 1 year warranty.



LONAKO

## Navigation Light Functions:



Port, Starboard and Stern Light  
112.5° Red / 112.5° Green / 135° White  
Visibility 2NM

8-33V External  
Steady Light



Anchor Light  
360° White  
Visibility 2NM

8-33V External  
Steady Light

## Warning Light Functions:



Obstacle Light  
360° Red  
Max. Continuous Working Time: 300hrs

Light Activated  
Flashing 2s



Indicating-Position Light  
360° Red  
Max. Continuous Working Time: 300hrs

Wireless Remote  
Flashing 1s



Trouble Indicating Light  
360° Red  
Max. Continuous Working Time: 12hrs

Wireless Remote  
Steady Light



Distress Signal Light  
360° White  
Max. Continuous Working Time: 20hrs

Wireless Remote  
SOS Signal



Emergency Light Equipment  
360° White  
Visibility 2NM  
Max. Continuous Working Time: 12hrs

Wireless Remote  
Steady Light

## Includes:

- 1 x Shim
- 1 x Wireless Remote
- 1 x Instruction
- 1 x Anti Bird Thorn
- 1 x L Shape Support
- 2 x Nuts
- 6 x Screws
- 6 x Clips

## Applications:

- Powerboats (length up to 20Mtr)
- Sailboats (length up to 50Mtr)
- Fishing Boats



## LED T10 - Replacements



Part No.	LED Colour	Number of LED's	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Dimensions L x W (mm)	Sold As
53228	Cool White	16	192	10-36	0.27	3.2	56 x 25	Single
53229	Cool White	18	220	10-30	0.15	1.8	55 x 27	Pairs
53227	Cool White	9	70	12	0.5	0.6	36 x Ø 11	Pairs



- Ideal for use in many marine, automotive, caravan, motorhome, camper trailer and domestic applications.
- USA LED chip.
- Cooler operating temperature.
- 5050 SMD chip LED's.
- 2 year warranty.

## LED G4 - Replacements



Part No.	LED Colour	Number of LED's	Lumens (lm)	Pin Style	Volts (V)	Amps (A)	Watts (W)	Sold As
53210	Cool White	10	170	Side	10-30	0.15	1.8	Pairs
53223	Cool White	10	170	Back	10-30	0.15	1.8	Pairs
53220	Warm White	7	130	Side	10-30	0.13	1.4	Single
53220/2	Warm White	7	130	Side	10-30	0.13	1.4	Pairs
53221	Cool White	7	130	Side	10-30	0.13	1.4	Single
53221/2	Cool White	7	130	Side	10-30	0.13	1.4	Pairs
53232	Cool White	18	216	Back	12	0.13	1.4	Single



- Ideal for use in many marine, automotive, caravan, motorhome, camper trailer and domestic applications.
- Cooler operating temperature.
- 5050 SMD chip LED's.
- Most commonly used for replacing G4 bulbs.
- 2 year warranty.

## LED MR16 - Replacements



Part No.	LED Colour	Number of LED's	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Diameter (mm)	Sold As
709948	Cool White	4	320	12	0.4	4	55	Single
709950	Warm White	4	320	12	0.4	4	55	Single
709952	White	1	400	AC/DC 12	0.4	4	50	Single
709953	White	1	400	AC/DC 12	0.4	4	50	Single
53216	Cool White	10	150	10-30	0.3	3	50	Single
53219	Warm White	10	150	10-30	0.3	3	50	Single



- Ideal use in marine, automotive, caravan, motorhome and camper trailer applications.
- Replaces MR16 fitting.
- 2 year warranty.

## LED MR11 - Replacements










Part No.	LED Colour	Number of LED's	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Sold As
53224	Warm White	7	105	10-30	0.1	1.2	Single
53226	Cool White	7	105	10-30	0.1	1.2	Single



- Ideal for use in many marine, automotive, caravan, motorhome, camper trailer and domestic applications.
- 5050 SMD chip LED's
- 2 year warranty.



## LED BA15 - Replacements

Part No.	LED Colour	Number of LED's	Lumens (lm)	Base	Contact Type	Pin Type	Volts (V)	Amps (A)	Watts (W)	Dimensions L x Ø (mm)	Sold As
 53234	Cool White	18	130	BA15D	Double	Parallel	12	0.1	1.2	46 x 18	Single
 53236	Cool White	18	130	BAY15D	Double	Off Set	12	0.1	1.2	46 x 18	Single
 53238	Cool White	18	130	BA15S	Single	Parallel	12	0.1	1.2	46 x 18	Single
 53238/2	Cool White	18	130	BA15S	Single	Parallel	12	0.1	1.2	46 x 18	Pairs
 53211	Cool White	6	130	BA15S	Single	Parallel	12	0.1	1.2	46 x 25	Single
 53213	Cool White	1	-	BA15S	Single	Parallel	10-30	0.17	2	44 x 20	Pairs
 53214	Amber	1	-	BA15S	Single	Parallel	10-30	0.17	2	44 x 20	Pairs



53213 - 53214

• Ideal for use in many marine, automotive, caravan, motorhome, camper trailer and domestic applications.






• 53236: stop/tail only.

• 53211: Replacement for 70942.

• 1 year warranty.



## LED BAY15D - Navigation Replacements

Part No.	LED Colour	Number of LED's	Base	Contact Type	Pin Type	Volts (V)	Amps (A)	Watts (W)	Dimensions L x Ø (mm)	Sold As
 70948	White	50	BAY15D	Double	Off Set	10-30	0.29	3.5	70 x 30	Single
 70948BI	Red/Green	50	BAY15D	Double	Off Set	10-30	0.29	3.5	70 x 30	Single
 70948TRI	Red/Green/White	50	BAY15D	Double	Off Set	10-30	0.29	3.5	70 x 30	Single
 70948R	Red	50	BAY15D	Double	Off Set	10-30	0.29	3.5	70 x 30	Single
 70948G	Green	50	BAY15D	Double	Off Set	10-30	0.29	3.5	70 x 30	Single



• Ideal use in all approved brands of navigation lights.


• Anodised aluminium heat sink housing.

• Protection Rating: IP68.

• 2 year warranty.



## LED Festoon - Flat Replacements

Part No.	LED Colour	Number of LED's	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Dimensions L x W (mm)	Sold As
 709834	Cool White	6	75	12	0.03	0.4	36 x 22	Single





• Ideal for use in many marine, automotive, caravan, motorhome, camper trailer and domestic applications. Most commonly used for small craft navigation lights and marine or automotive courtesy and interior fittings.

• 2 year warranty.



## LED Festoon - Replacements

Part No.	LED Colour	Number of LED's	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Dimensions L x Ø (mm)	Sold As
 709820	Red	18	70-90	12	0.06	0.7	44 x 19	Single
 709822	Green	18	70-90	12	0.06	0.7	44 x 19	Single



• Most commonly used for Aqua Signal® - Series 25.

• 40mA operating current.

• Both ends have a dimpled pin.

• Protection Rating: IP64.

• 2 year warranty.



## LED & Bulb Replacement

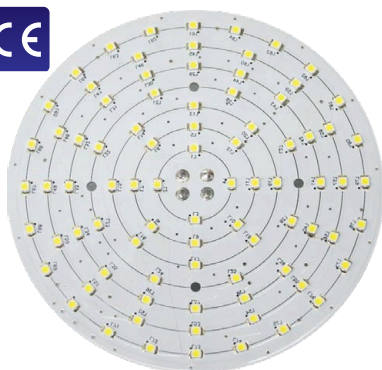
### LED Dome Light - Replacement



Part No.	LED Colour	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Dimensions L x W (mm)
53230	Cool White	345	10-30	0.2	2.5	57 x 57

- Ideal for use in many marine, automotive, caravan, motorhome, camper trailer and domestic applications.
- 23 x super bright 5050 SMD chip LEDs comparable to a 30 halogen.
- Self adhesive tape on full length mounting pads.
- Comparable to a 30 watt halogen
- 5 connectors included: G4, BA15D, BA15S, T10 and a festoon 41mm.
- 120° lighting angle.
- Taiwanese chips.
- 1 year warranty

### LED 'D' Fluro Tube Light - Replacement



Part No.	LED Colour	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Dimensions Ø x T (mm)
53240	Cool White	450	12	0.6	6	130 x 19.5

- Replaces 'D' fluro tubes in caravans and motorhomes.
- USA LED chips.
- Eco friendly, no glass or mercury like traditional fluro's.
- Constant non-flicker light output.
- Uses up to 90% less power.
- 2 year warranty.

### Bulbs - Replacement



P28S Base



BAY15D Base



E27 Base



B22 Base

Part No.	Type	Contact Type	Pin Type	Volts (V)	Bulb Watts (W)
HZP110.60	P28s Nav Bulb	Single	Off Set Blade	110	60
HZP220.65	P28s Nav Bulb	Single	Off Set Blade	220	65
HZP24.40	P28s Nav Bulb	Single	Off Set Blade	24	40
HZP240.65	P28s Nav Bulb	Single	Off Set Blade	240	65
NG1210	BAY15D Nav Bulb	Double	Off Set	12	10
NG1225	BAY15D Nav Bulb	Double	Off Set	12	25
NG2410	BAY15D Nav Bulb	Double	Off Set	24	10
NG2425	BAY15D Nav Bulb	Double	Off Set	24	25
HZE220.65	E27 Nav Bulb	Single	Screw	220	65
NG22060	E27 Nav Bulb	Single	Screw	220	60
NG22065	B22 Nav Bulb	Single	Parallel	220	65
NG23040	B22 Nav Bulb	Single	Parallel	230 - 240	40
NG2460E27	E27 Nav Bulb	Single	Screw	24	60
NG2460B22	B22 Nav Bulb	Single	Parallel	24	60

### Fluorescent Tubes



SPE89

70109

Part No.	Type	Volts (V)	Watts (W)	Size (mm)
SPE89	Fluorescent	12	8	(L) 288
70109	Fluorescent	12	12	(Ø) 250

- Replacement for various low voltage fluorescent lights.





## LED Camping Lights Camping Lights

### LED Universal & Bugger-Off Anti Bug Light Strips

Part No.	Type	LED Colour	Lumens (lm)	Volts (V)	Amps (A)	Watts (W)	Dimensions L x W (mm)
 <b>709875</b>	Bugger-Off	Yellow/ Cool White	1000	12	1.2	14.4	1350 x 50
 <b>709875-BULK</b>	Bugger-Off Light Strip - 10 Pack						
 <b>709872</b>	Universal	Cool White	950	12	0.7	8.4	1300 x 50
 <b>709872-BULK</b>	Universal Light Strip - 10 Pack						



NEW ENTRY

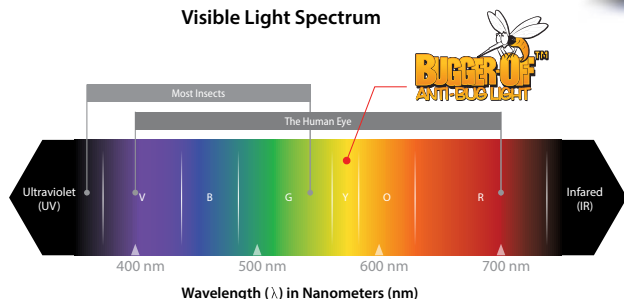
NEW ENTRY

- Great for discouraging bugs which would normally be attracted to other colour lights. Ideal for use in many marine, automotive, caravan, motorhome, camper trailer and domestic applications.
- 5050 SMD chip LED's.
- Aluminium hooks and velcro for ease of installation.
- Multifunction switch with colour change and dimmable feature.
- 5 metres of lead with cigarette lighter plug.
- Protection Rating: IP68.
- Includes convenient carry bag.
- 1 year warranty.



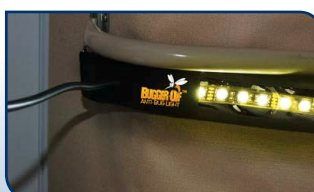
709872

Visible Light Spectrum



709875

\*The yellow light is invisible to most insects which perceive light wavelengths from 300 to 550nm; this includes the ultraviolet range through to the green light spectrum. On the other hand, the human eye can see light wavelengths from 400 to 750nm in the visible spectrum making yellow light perfect for humans.



relaxn



# LED Truck & Trailer Lights

## Truck & Trailer Lights

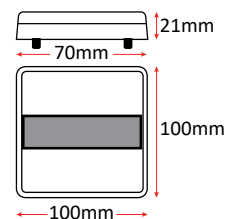


### LED - Box Trailer Lights



Part No.	Function	Side	Volts (V)	Dimensions L x W x D (mm)
547102	Stop/Tail/Indicator	Left/Right	12	100 x 100 x 21

- Vibration and shock resistant with a polycarbonate lens.
- High impact housing
- 300mm tin coated cable.
- Surface mounting.
- Easy to install.
- Maintenance free.
- Submersible.
- ADR/ECE compliant.
- 5 year warranty.
- Sold in pairs.



### LED - Trailer Lights

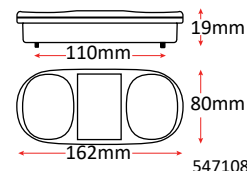
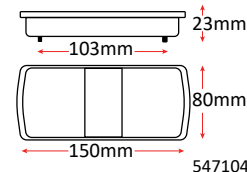


547104



Part No.	Function	Side	Volts (V)	Dimensions L x W x D (mm)
547104	Stop/Tail/Indicator	Left/Right	12	150 x 80 x 23
547108	Stop/Tail/Indicator	Left/Right	12	162 x 80 x 19

- Vibration and shock resistant with a polycarbonate lens.
- High impact housing
- 300mm tin coated cable.
- Surface mounting.
- Easy to install.
- Maintenance free.
- Submersible.
- ADR/ECE compliant.
- 5 year warranty.
- Sold in pairs.

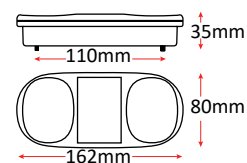


### LED Trailer Lights - 162mm



Part No.	Function	Side	Volts (V)	Dimensions L x W x D (mm)
547110	Stop/Tail/Indicator	Left	10-30	162 x 80 x 35
547111	Stop/Tail/Indicator/Number Plate	Right	10-30	162 x 80 x 35

- Vibration and shock resistant with a polycarbonate lens.
- High impact housing
- 300mm tin coated cable.
- Surface mounting.
- Easy to install.
- Maintenance free.
- Submersible.
- ADR/ECE compliant.
- 5 year warranty.



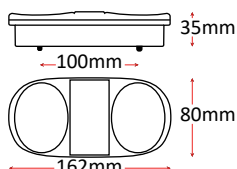


## LED Trailer Lights - 162mm with Cable

Part No.	Function	Side	Cable Length (m)	Volts (V)	Dimensions L x W x D (mm)
547112	Stop/Tail/Indicator	Left	7.2	10-30	162 x 80 x 35
547113	Stop/Tail/Indicator/Number Plate	Right	7.2	10-30	162 x 80 x 35
547114	Stop/Tail/Indicator	Left	8.3	10-30	162 x 80 x 35
547115	Stop/Tail/Indicator/Number Plate	Right	8.3	10-30	162 x 80 x 35



- Vibration and shock resistant with a polycarbonate lens.
- High impact housing
- 300mm tin coated cable.
- Surface mounting.
- Easy to install.
- Maintenance free.
- Submersible.
- ADR/ECE compliant.
- 5 year warranty.
- 547114/547115 have side marker lights.



Right hand number plate light

NOTE: OEM packed.

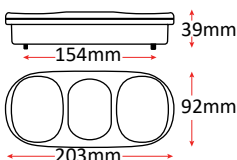
## LED Trailer Lights - 203mm



Part No.	Function	Side	Volts (V)	Dimensions L x W x D (mm)
547120	Stop/Tail/Indicator	Left	10-30	203 x 92 x 39
547121	Stop/Tail/Indicator/Number Plate	Right	10-30	203 x 92 x 39



- Vibration and shock resistant with a polycarbonate lens.
- High impact housing
- 300mm tin coated cable.
- Surface mounting.
- Easy to install.
- Maintenance free.
- Submersible.
- ADR/ECE compliant.
- 5 year warranty.



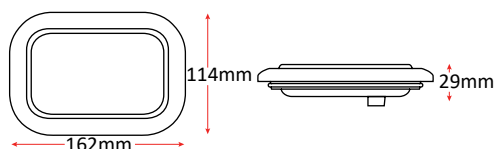
## LED Trailer Lights - Flush Mount

Part No.	Function	Side	Volts (V)	Dimensions L x W x D (mm)
547150	Indicator	Left or Right	10-30	162 x 114 x 29
547152	Stop/Tail	Left or Right	10-30	162 x 114 x 29
547154	Reverse	Left or Right	10-30	162 x 114 x 29
547156	Chrome Bracket to suit lights			



- Vibration and shock resistant with a polycarbonate lens.
- High impact housing
- 300mm tin coated cable.
- Surface mounting.
- Easy to install.
- Maintenance free.
- ADR/ECE compliant.
- 5 year warranty.

NOTE: OEM packed.



547152



547150



547154



547156

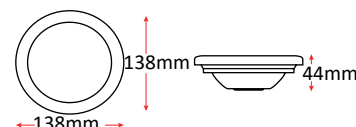


## LED - Trailer Lights - Round



Part No.	Description	Side	Volts (V)	Dimensions Ø x D (mm)
547160	Indicator	Left or Right	10-30	138 x 44
547162	Stop/Tail	Left or Right	10-30	138 x 44
547164	Reverse	Left or Right	10-30	138 x 44
547166	Chrome Bracket to suit Lights			

- Vibration and shock resistant with a polycarbonate lens.
- High impact housing
- 300mm tin coated cable.
- Surface mounting.
- Easy to install.
- Maintenance free.
- ADR/ECE compliant.
- 5 year warranty.

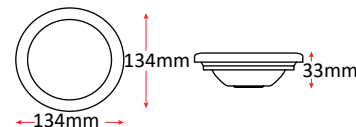


## LED - Trailer Lights - Round - Recessed



Part No.	Description	Side	Volts (V)	Dimensions Ø x D (mm)
547170	Indicator	Left or Right	10-30	134 x 33
547172	Stop/Tail	Left or Right	10-30	134 x 33
547174	Reverse	Left or Right	10-30	134 x 33

- Vibration and shock resistant with a polycarbonate lens.
- High impact housing
- 300mm tin coated cable.
- Surface mounting.
- Easy to install.
- Maintenance free.
- ADR/ECE compliant.
- 5 year warranty.



## LED - Truck & Trailer Lights











Part No.	Function	Side	Volts (V)	Dimensions L x W x D (mm)
547140	Stop/Tail/Indicator	Left or Right	10-30	197 x 107 x 28
547142	Stop/Tail/Indicator	Left or Right	10-30	288 x 107 x 28
547144	Stop/Tail/Indicator/Reverse	Left or Right	10-30	288 x 107 x 28

- Vibration and shock resistant with a polycarbonate lens.
- High impact housing
- 300mm tin coated cable.
- Surface mounting.
- Easy to install.
- Maintenance free.
- ADR/ECE compliant.
- 5 year warranty.





## LED - Marker Lights

Part No.	Function	Cable Length (m)	Volts (V)	Dimensions L x W x D (mm)
 547180	Amber Side Directional Marker	0.5	10-30	60 x 30 x 22
 547181	Red/Amber Side Position Marker	0.5	10-30	60 x 30 x 22
 547182	Red Rear Position Marker	0.5	10-30	60 x 30 x 22
 547183	White Front Marker	0.5	10-30	60 x 30 x 22
 547186	Amber Side Directional Marker	2	10-30	60 x 30 x 22
 547187	Red/Amber Side Position Marker	2	10-30	60 x 30 x 22
 547189	White Clearance Front Marker	2	10-30	60 x 30 x 22
 547196	Red Clearance Rear Marker	2	10-30	60 x 30 x 22



547180



547182/547196



547183/547189



547181

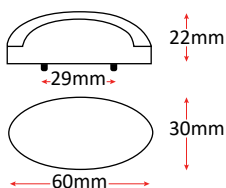


547186



547187

- Vibration and shock resistant with a polycarbonate lens.
- High impact housing
- 300mm tin coated cable.
- Surface mounting.
- Easy to install.
- Maintenance free.
- ADR/ECE compliant.
- 5 year warranty.



## LED - Number Plate Lights

Part No.	Function	Mount Style	Volts (V)	Dimensions L x W x D (mm)
 547194	Number Plate Light	Top Screw	10-30	81 x 41 x 34
 547188	Number Plate Light	Rear Screw	10-30	81 x 36 x 29



547194



547188



- Vibration and shock resistant with a polycarbonate lens.
- High impact housing
- 300mm tin coated cable.
- Surface mounting.
- Easy to install.
- Maintenance free.
- ADR/ECE compliant.
- 5 year warranty.



## Gauges

### Gauges - Holding Tank



Part No.	Description	Bezel	Display	Back Light	OHMS (Ω)	Volts (V)	Display Range	Cut Out Ø (mm)	
40112	Holding Tank Gauge	Black	Black	Red or Yellow	0-190	12	Empty - Full	52	
40114	Holding Tank Gauge	Black	Black	Red or Yellow	240-33	12	Empty - Full	52	
40114W	Holding Tank Gauge	White	White	Red or Yellow	240-33	12	Empty - Full	52	



- Double layer reinforced anti-fogging lens.
- 6 green and 2 red LED indicators.
- Plug 'n Play multi-plug socket lead supplied (100mm).
- Protection Rating: IP67.
- CE Certified.
- 1 year warranty.

### Gauges - Holding Tank - LED



Part No.	Description	Bezel	Display	Back Light	OHMS (Ω)	Volts (V)	Display Range	Cut Out Ø (mm)	
40105	Holding Tank Gauge	Black	Black	Red or Yellow	240-33	12/24	Empty - Full	52	
40105W	Holding Tank Gauge	White	White	Red or Yellow	240-33	12/24	Empty - Full	52	



- Double layer reinforced anti-fogging lens.
- 6 green and 2 red LED indicators.
- Plug 'n Play multi-plug socket lead supplied (100mm).
- Protection Rating: IP67.
- CE Certified.
- 1 year warranty.

### Gauges - Fuel Tank



Part No.	Description	Bezel	Display	Back Light	OHMS (Ω)	Volts (V)	Display Range	Cut Out Ø (mm)	
40110	Fuel Tank Gauge	Black	Black	Red or Yellow	240-33	12/24	Empty - Full	52	
40110W	Fuel Tank Gauge	White	White	Red or Yellow	240-33	12/24	Empty - Full	52	
40108	Fuel Tank Gauge	Black	Black	Red or Yellow	0-190	12/24	Empty - Full	52	
40108W	Fuel Tank Gauge	White	White	Red or Yellow	0-190	12/24	Empty - Full	52	
43712	Fuel Tank Gauge	Stainless Steel	Black	Red or Yellow	240-33	12/24	Empty - Full	52	
43710	Fuel Tank Gauge	Stainless Steel	White	Red or Yellow	240-33	12-24	Empty - Full	52	



- Double layer reinforced anti-fogging lens.
- Plug 'n Play multi-plug socket lead supplied (100mm).
- Protection Rating: IP67.
- CE Certified.
- 1 year warranty.

### Gauges - Fuel Tank - LED



Part No.	Description	Bezel	Display	Back Light	OHMS (Ω)	Volts (V)	Display Range	Cut Out Ø (mm)	
40109	LED Fuel Tank Gauge	Black	Black	Red or Yellow	240-33	12/24	Empty - Full	52	
40109W	LED Fuel Tank Gauge	White	White	Red or Yellow	240-33	12/24	Empty - Full	52	



- Double layer reinforced anti-fogging lens.
- 6 green and 2 red LED indicators.
- Plug 'n Play multi-plug socket lead supplied (100mm).
- Protection Rating: IP67.
- CE Certified.
- 1 year warranty.





## Gauges - Water Tank

Part No.	Description	Bezel	Display	Back Light	OHMS (Ω)	Volts (V)	Display Range	Cut Out Ø (mm)
40104	Water Tank Gauge	Black	Black	Red or Yellow	0-190	12/24	Empty - Full	52
40106	Water Tank Gauge	Black	Black	Red or Yellow	240-33	12/24	Empty - Full	52
40106W	Water Tank Gauge	White	White	Red or Yellow	240-33	12/24	Empty - Full	52

- Double layer reinforced anti-fogging lens.
- Plug 'n Play multi-plug socket lead supplied (100mm).
- Protection Rating: IP67.
- CE Certified.
- 1 year warranty.



40104/40106

40106W

KUS®

## Gauges - Water Temp

Part No.	Description	Bezel	Display	Back Light	Volts (V)	Display Range °C	Cut Out Ø (mm)
40080	Digital Water Temp Gauge	Black	Black	Red	12/24	25 - 120	52
40119	Water Temp Gauge	Black	Black	Red or Yellow	12/24	40 - 120	52
40119W	Water Temp Gauge	White	White	Red or Yellow	12/24	40 - 120	52
43718	Water Temp Gauge	Stainless Steel	White	Red or Yellow	12/24	40 - 120	52

- Double layer reinforced anti-fogging lens.
- Plug 'n Play multi-plug socket lead supplied (100mm).
- Protection Rating: IP67.
- CE Certified.
- 1 year warranty.



40119

40080

40119W

43718W

KUS®

## Gauges - Oil Temp

Part No.	Description	Bezel	Display	Back Light	Volts (V)	Display Range °C	Cut Out Ø (mm)
40118	Oil Temp Gauge	Black	Black	Red or Yellow	12/24	50 - 150	52
40118W	Oil Temp Gauge	White	White	Red or Yellow	12/24	50 - 150	52

- Double layer reinforced anti-fogging lens.
- Plug 'n Play multi-plug socket lead supplied (100mm).
- Protection Rating: IP67.
- CE Certified.
- 1 year warranty.



40118

40118W

KUS®

## Gauges - Oil Pressure

Part No.	Description	Bezel	Display	Back Light	OHMS (Ω)	Volts (V)	Display Range (Bar/PSI)	Cut Out Ø (mm)
43720	Oil Pressure Gauge	Stainless Steel	White	Red or Yellow	10-184	12/24	0 - 5/7 <sub>5</sub>	52
43721	Oil Pressure Gauge	Stainless Steel	White	Red or Yellow	240-33	12/24	0 - 10/14 <sub>5</sub>	52
43780	Oil Pressure Gauge	Black	Black	Red or Yellow	10-184	12/24	0 - 5/7 <sub>5</sub>	52
43782	Oil Pressure Gauge	White	White	Red or Yellow	10-184	12/24	0 - 5/7 <sub>5</sub>	52
43784	Oil Pressure Gauge	Black	Black	Red or Yellow	10-184	12/24	0 - 10/14 <sub>5</sub>	52
43786	Oil Pressure Gauge	White	White	Red or Yellow	10-184	12/24	0 - 10/14 <sub>5</sub>	52

- Double layer reinforced anti-fogging lens.
- Plug 'n Play multi-plug socket lead supplied (100mm).
- Protection Rating: IP67.
- CE Certified.
- 1 year warranty.



43720

43721

43780

43782

43784

43786

KUS®

## Gauges

### Gauges - Volt Meter



Part No.	Description	Bezel	Display	Back Light	Volts (V)	Display Range V	Cut Out Ø (mm)	
40122	Volt Meter Gauge	Black	Black	Red or Yellow	12	8 - 16	52	
40122W	Volt Meter Gauge	White	White	Red or Yellow	12	8 - 16	52	
40123	Volt Meter Gauge	Black	Black	Red or Yellow	24	18 - 32	52	
43714	Volt Meter Gauge	Stainless Steel	White	Red or Yellow	12	8 - 16	52	
40050	Digital Volt Meter Gauge	Black	Black	Red	12/24	9 - 32	52	



- Double layer reinforced anti-fogging lens.
- Plug 'n Play multi-plug socket lead supplied (100mm).
- Protection Rating: IP67.
- CE Certified.
- 1 year warranty.

### Gauges - Amp



Part No.	Description	Bezel	Display	Back Light	OHMS (Ω)	Volts (V)	Display Range (A)	Cut Out Ø (mm)	
40120	Amp Gauge	Black	Black	Red or Yellow	0-190	12/24	± 50	52	
40120W	Amp Gauge	White	White	Red or Yellow	0-190	12/24	± 50	52	



- Double layer reinforced anti-fogging lens.
- Plug 'n Play multi-plug socket lead supplied (100mm).
- Protection Rating: IP67.
- CE Certified.
- 1 year warranty.

### Gauges - Digital Hour Meter

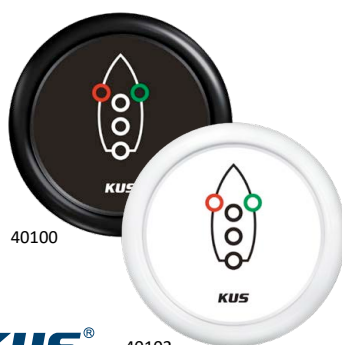


Part No.	Description	Bezel	Display	Back Light	Volts (V)	Display Range	Cut Out Ø (mm)	
40121	Digital Hour Meter Gauge	Black	Black	Red or Yellow	12/24	0 - 99999	52	
40121W	Digital Hour Meter Gauge	White	White	Red or Yellow	12/24	0 - 99999	52	
43716	Digital Hour Meter Gauge	Stainless Steel	White	Red or Yellow	12/24	0 - 99999	52	



- Double layer reinforced anti-fogging lens.
- Plug 'n Play multi-plug socket lead supplied (100mm).
- Protection Rating: IP67.
- CE Certified.
- 1 year warranty.

### Gauges - Navigation Light Indicator



Part No.	Description	Bezel	Display	Back Light	Volts (V)	Display	Cut Out Ø (mm)	
40100	Navigation Light Indicator	Black	Black	Red or Yellow	12/24	Lights being used	52	
40102	Navigation Light Indicator	White	White	Red or Yellow	12/24	Lights being used	52	



- Double layer reinforced anti-fogging lens.
- Plug 'n Play multi-plug socket lead supplied (100mm).
- Protection Rating: IP67.
- CE Certified.
- 1 year warranty.



## Gauges - Trim

Part No.	Description	Bezel	Display	Back Light	OHMS ( $\Omega$ )	Volts (V)	Display Range	Cut Out $\varnothing$ (mm)
 43722	Trim Gauge	Stainless Steel	White	Red or Yellow	0-190	12/24	Up / Down	52
 43724	Trim Gauge	Stainless Steel	White	Red or Yellow	160-10	12/24	Up / Down	52
 43725	Trim Gauge	Stainless Steel	Black	Red or Yellow	160-10	12/24	Up / Down	52


- Double layer reinforced anti-fogging lens.
- Plug 'n Play multi-plug socket lead supplied (100mm).
- Protection Rating: IP67.
- CE Certified.
- 1 year warranty.



NEW ENTRY

KUS®

## Gauges - Clock

Part No.	Description	Bezel	Display	Back Light	Display Range	Volts (V)	Display Range	Cut Out $\varnothing$ (mm)
 43770	Clock	Stainless Steel	White	Red or Yellow	12 Hour	12/24	Analogue	52


- Double layer reinforced anti-fogging lens.
- Plug 'n Play multi-plug socket lead supplied (100mm).
- Protection Rating: IP67.
- CE Certified.
- 1 year warranty.



NEW ENTRY

KUS®

## Gauges - Rudder Angle


Part No.	Description	Bezel	Display	Back Light	OHMS ( $\Omega$ )	Volts (V)	Display Range	Cut Out $\varnothing$ (mm)
 43654	Rudder Angle Gauge	Black	Black	Red or Yellow	0	12/24	Port - Starboard	52

- Double layer reinforced anti-fogging lens.
- Plug 'n Play multi-plug socket lead supplied (100mm).
- Protection Rating: IP67.
- CE Certified.
- 1 year warranty.



KUS®

## Gauges - Rudder Angle - Large

Part No.	Description	Bezel	Display	OHMS ( $\Omega$ )	Back Light	Volts (V)	Display Range	Cut Out $\varnothing$ (mm)
 43656	Rudder Angle Gauge	Black	Black	0-190	Red or Yellow	12/24	Port - Starboard	85

- Double layer reinforced anti-fogging lens.
- Plug 'n Play multi-plug socket lead supplied (100mm).
- Protection Rating: IP67.
- CE Certified.
- 1 year warranty.



KUS®

## Gauges - Digital GPS &amp; Speedo

Part No.	Description	Bezel	Display	Back Light	Volts (V)	Display	Cut Out $\varnothing$ (mm)
 43700	GPS/Speedo Gauge	Stainless Steel	Black	Red or Yellow	12/24	0 - 999 Knots	85
 43704	GPS/Speedo Gauge	Stainless Steel	White	Red or Yellow	12/24	0 - 999 Knots	85

- Double layer reinforced anti-fogging lens.
- Plug 'n Play multi-plug socket lead supplied (100mm).
- Protection Rating: IP67.
- CE Certified.
- 1 year warranty.

NOTE: Customers can choose between units in km/h, knots or mph. The unit mileage and position are integrated into the display



43700

43704

KUS®



## Gauges - Tacho/Hour Meter

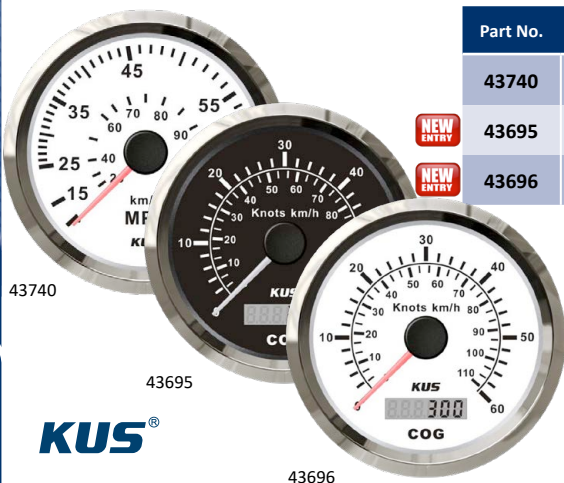


Part No.	Description	Bezel	Display	Back Light	Volts (V)	Display	Cut Out Ø (mm)	
43750	Tacho/Hour Meter Gauge	Black	Black	Red or Yellow	12/24	0 - 6000rpm	85	
43758	Tacho/Hour Meter Gauge	White	White	Red or Yellow	12/24	0 - 6000rpm	85	
43756	Tacho/Hour Meter Gauge	Stainless Steel	White	Red or Yellow	12/24	0 - 7000rpm	85	



- Uses stepper motor drivers to display the information.
- Double layer reinforced anti-fogging lens.
- Plug 'n Play multi-plug socket lead supplied (100mm).
- Protection Rating: IP67.
- CE Certified.
- **43756** features 4 alarm LEDs, pressure, temp, check engine and low oil.
- 1 year warranty.

## Gauges - Speedo



Part No.	Description	Bezel	Display	Back Light	Volts (V)	Display	Cut Out Ø (mm)	
43740	Speedo Gauge*	Stainless Steel	White	Red or Yellow	12/24	0 - 65mph	85	
43695	Speedo Gauge - GPS	Stainless Steel	Black	Red or Yellow	12/24	0 - 110km/h	85	
43696	Speedo Gauge - GPS	Stainless Steel	White	Red or Yellow	12/24	0 - 110km/h	85	



- Double layer reinforced anti-fogging lens.
- Plug 'n Play multi-plug socket lead supplied (100mm).
- Protection Rating: IP67.
- CE Certified.
- The signal comes directly from the satellite signal receiver. (GPS only)
- High precision and quick location confirmation. (GPS only)
- 5m GPS antenna is included. (GPS only)
- 1 year warranty.

\*NOTE: 43740 requires Pitot tube kit.

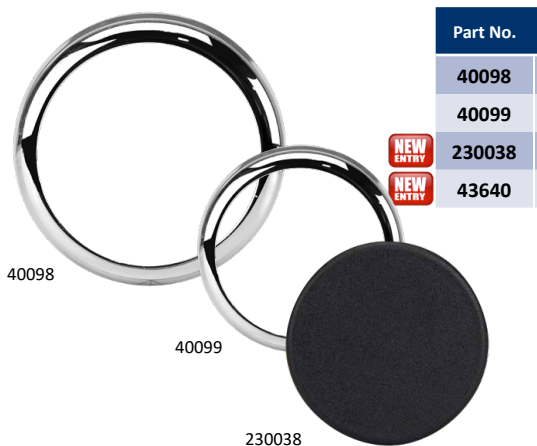
## Speedo Hose Kit



Part No.	Description	Colour	Length (ft)
86104	Pitot Tube Kit	Black	20
86106	Pitot Tube Kit	White	20

- Suits most Speedo's.
- Includes mounting fixtures.

## Gauges - Accessories



Part No.	Description	Bezel	Suits (mm)	
40098	Replacement Bezel	Chrome	85	
40099	Replacement Bezel	Chrome	52	
230038	Blanking Plate	Black	52	
43640	Wiring Loom for Gauge			

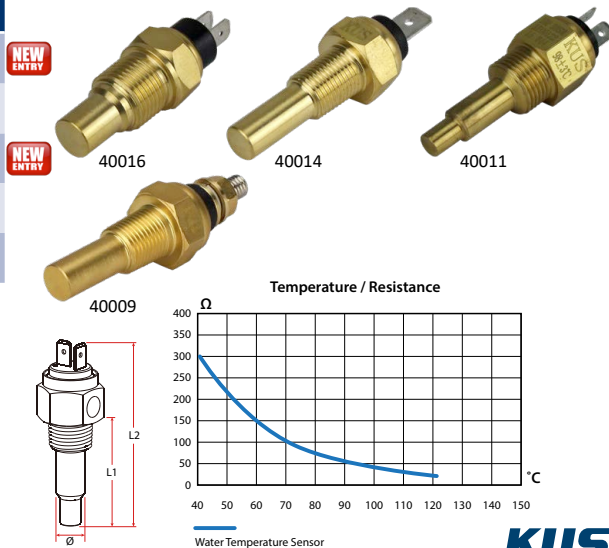
- Replacement bezel for Sea-V Kus gauges with black or white rounded bezels.



## Temp Senders

Part No.	Description	Volts (V)	Max (C °)	Alarm (C °)	Dimensions (mm)			Thread
					Ø	L1	L2	
40009	Temp Sender Water	6-24	120°	-	8	27	51.5	½"-27NPT
40011	Temp Sender Water Switch	6-24	120°	98°	10.7	41	71.5	M18 x 1.5
40012	Temp Sender Water Switch	6-24	120°	98°	10.7	41	71.5	¾"-18NPT
40014	Temp Sender Water	6-24	120°	-	7.5	28.5	51	½"-27NPT
40016	Temp Sender Water	6-24	120°	-	13	28.5	58.7	¾"-18NPT

- Brass main body.
- Rated voltage: 6V~24V.
- Temperature response time: Minimum 3 minutes after power supply electrified.
- Protection Rating: IP67.
- 40011 and 40016 Sensors have double metal plate connectors.
- 40011 - Temperature Sensor Alarm Switch
- Alarm Switch Rated Power: 1.2W~3W.
- Temperature alarm tolerance: ±3C.



## Pressure Sensor

Part No.	Description	Volts (V)	Range (Bar)	Output (Ω)	Alarm (Bar)	Thread
40020	Pressure Sender	6-24	0-5	10-184	-	½"NPT
40022	Pressure Sender	6-24	0-10	10-184	-	½"NPT
40023	Pressure Sender Bar Switch	6-24	0-10	10-184	0.5±0.2	½"NPT
40025	Pressure Sender Bar Switch	6-24	0-10	10-184	0.8±0.2	½"NPT

- High Quality Long Service Life Pressure Sensor.
- Excellent anti-vibration performance.
- Operating Voltage: 6V~24V.
- Operating temperature: -25 ~120°C (120°C MAX 1H).
- Protection Rating: IP66.
- Measuring range: 0~5Bar or 0~10Bar.
- Alarm: 0.8Bar or 1.4Bar.
- Output signal: Standard resistance value: 10~184Ω.



## Resistance Exchanger

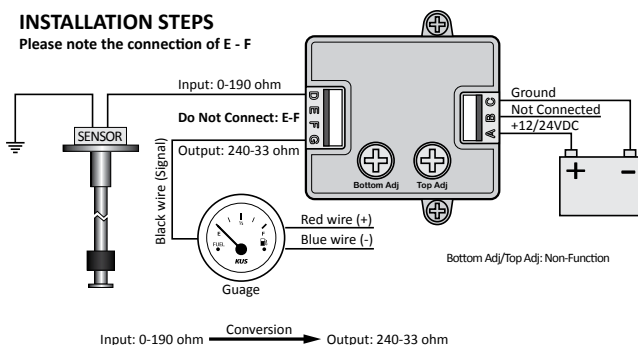
Part No.	Description	OHMS (Ω)
40131	Resistance Exchanger	0-190/240-33

- Suitable for many senders and gauges
- Easy to install.
- Converts: 0-190 OHM to 240-33 OHM.  
240-33 OHM to 0-190 OHM.

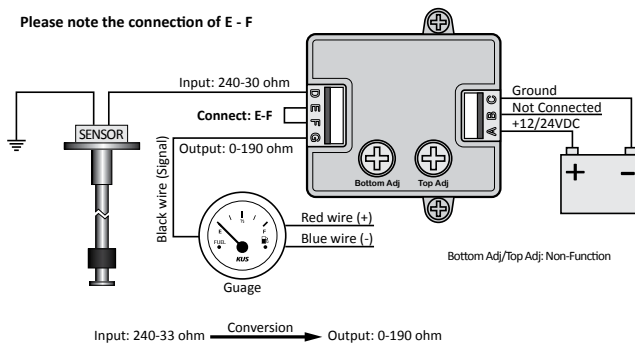


## INSTALLATION STEPS

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Please note the connection of E - F







## NMEA 2000 Gauges & Senders

### About NMEA 2000®

NMEA 2000® is the new standard in marine electronics data protocol. Established by the National Marine Electronics Association, for networking multiple instruments on a boat. As long as the electronics carry the NMEA 2000® Certified tag, all of the instruments, gauges and electronics will work together seamlessly.

### NMEA 2000® KUS Gauges

KUS is renowned for its 30 years of experience designing and manufacturing marine instrument through research, innovation, and consistent high quality products.

The New NMEA 2000® KUS Gauges are available in both black and white faceplates with a stylish stainless steel bezel and red (black face) or blue (white face) LED back light.

The NMEA 2000® Tachometer is able to display temperature, voltage, pressure, speed + engine working hours. The data switching can be simply accessed by operating the up and Down buttons.

### NMEA 2000® Advantages

- NMEA 2000 is based on the CAN-BUS automotive standard, designed to achieve a high data exchange between multiple electronic devices.
- Supports plug 'n play technology so the marine electrical equipment installation, maintenance and exchange are simple.
- NMEA 2000 provides flexibility between brands allowing you to use different brands for your setup.

### Gauges - Fuel Level - NMEA 2000



Part No.	Description	Display	Signal	Back Light	Volts (V)	Display Range	Dia. Ø (mm)
42430	Fuel Gauge	Black	NMEA 2000	Red	12	Empty - Full	52
42432	Fuel Gauge	White	NMEA 2000	Blue	12	Empty - Full	52



- Double layer reinforced anti-fogging lens.
- 316G stainless steel bezel with curved lens.
- Plug 'n Play multi-plug socket lead supplied (100mm).
- Protection Rating: IP67.
- CE Certified.
- 1 year warranty.

### Gauges - Water Level - NMEA 2000



Part No.	Description	Display	Signal	Back Light	Volts (V)	Display Range	Dia. Ø (mm)
42434	Water Gauge	Black	NMEA 2000	Red	12	Empty - Full	52
42436	Water Gauge	White	NMEA 2000	Blue	12	Empty - Full	52





- Double layer reinforced anti-fogging lens.
- 316G stainless steel bezel with curved lens.
- Plug 'n Play multi-plug socket lead supplied (100mm).
- Protection Rating: IP67.
- CE Certified.
- 1 year warranty.





## Gauges - Holding Tank - NMEA 2000



Part No.	Description	Display	Signal	Back Light	Volts (V)	Display Range	Dia. Ø (mm)
 <b>42438</b>	Holding Tank Gauge	Black	NMEA 2000	Red	12	Low - Full	52
 <b>42440</b>	Holding Tank Gauge	White	NMEA 2000	Blue	12	Low - Full	52

- Double layer reinforced anti-fogging lens.
- 316G stainless steel bezel with curved lens.
- Plug 'n Play multi-plug socket lead supplied (100mm).
- Protection Rating: IP67.
- CE Certified.
- 1 year warranty.



KUS®

## Gauges - Voltmeter - NMEA 2000



Part No.	Description	Display	Signal	Back Light	Volts (V)	Display Range	Dia. Ø (mm)
 <b>42442</b>	Voltmeter Gauge	Black	NMEA 2000	Red	12	8 ~ 16V	52
 <b>42444</b>	Voltmeter Gauge	White	NMEA 2000	Blue	12	8 ~ 16V	52

- Double layer reinforced anti-fogging lens.
- 316G stainless steel bezel with curved lens.
- Plug 'n Play multi-plug socket lead supplied (100mm).
- Protection Rating: IP67.
- CE Certified.
- 1 year warranty.



KUS®

## Gauges - Water Temp - NMEA 2000



Part No.	Description	Display	Signal	Back Light	Volts (V)	Display Range	Dia. Ø (mm)
 <b>42446</b>	Water Temp Gauge	Black	NMEA 2000	Red	12	40 ~ 120°C	52
 <b>42448</b>	Water Temp Gauge	White	NMEA 2000	Blue	12	40 ~ 120°C	52

- Double layer reinforced anti-fogging lens.
- 316G stainless steel bezel with curved lens.
- Plug 'n Play multi-plug socket lead supplied (100mm).
- Protection Rating: IP67.
- CE Certified.
- 1 year warranty.



KUS®

## Gauges - Oil Pressure - NMEA 2000

Part No.	Description	Display	Signal	Back Light	Volts (V)	Display Range (Bar/PSI)	Dia. Ø (mm)
 <b>42450</b>	Oil Pressure Gauge	Black	NMEA 2000	Red	12	0 - 10 <sup>1/4</sup> as	52
 <b>42452</b>	Oil Pressure Gauge	White	NMEA 2000	Blue	12	0 - 10 <sup>1/4</sup> as	52

- Double layer reinforced anti-fogging lens.
- 316G stainless steel bezel with curved lens.
- Plug 'n Play multi-plug socket lead supplied (100mm).
- Protection Rating: IP67.
- CE Certified.
- 1 year warranty.



KUS®

## Gauges - Multi-Function Tachometer - NMEA 2000



Part No.	Description	Display	Signal	Back Light	Volts (V)	Display Range	Dia. Ø (mm)
42454	Tachometer Gauge	Black	NMEA 2000	Red	12	0 - 7000	85
42456	Tachometer Gauge	White	NMEA 2000	Blue	12	0 - 7000	85



- The multi-function Tachometer LCD displays temperature, voltage, pressure, speed and engine hours.
- Double layer reinforced anti-fogging lens.
- 316G stainless steel bezel with curved lens.
- Plug 'n Play multi-plug socket lead supplied (100mm).
- Protection Rating: IP67.
- CE Certified.
- 1 year warranty.

**KUS®**

42456

## Gauges - Speedo - NMEA 2000



Part No.	Description	Display	Signal	Back Light	Volts (V)	Display Range	Dia. Ø (mm)
42458	Speedometer Gauge	Black	NMEA 2000	Red	12	0 ~ 60MPH	85
42460	Speedometer Gauge	White	NMEA 2000	Blue	12	0 ~ 60MPH	85



- Double layer reinforced anti-fogging lens.
- 316G stainless steel bezel with curved lens.
- Plug 'n Play multi-plug socket lead supplied (100mm).
- Protection Rating: IP67.
- CE Certified.
- 1 year warranty.

**KUS®**

42460

## Senders - NMEA 2000



When multiple NMEA 2000 Senders are installed in a single boat, consult a Sam Allen Wholesale Specialist for sender programming before shipping.



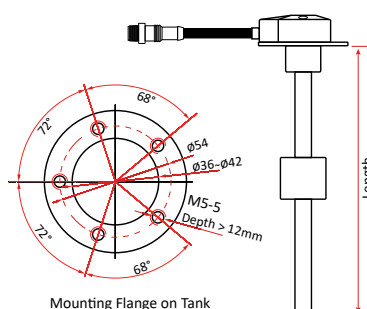
NEW ENTRY

NEW ENTRY

Part No.	Description	Mount Style	Signal	Length (mm)
40151	Stainless Steel Sender	5 Hole	NMEA 2000	150
40181	Stainless Steel Sender	5 Hole	NMEA 2000	180
40201	Stainless Steel Sender	5 Hole	NMEA 2000	200
40226	Stainless Steel Sender	5 Hole	NMEA 2000	225
40236	Stainless Steel Sender	5 Hole	NMEA 2000	235
40276	Stainless Steel Sender	5 Hole	NMEA 2000	275
40301	Stainless Steel Sender	5 Hole	NMEA 2000	300
40376	Stainless Steel Sender	5 Hole	NMEA 2000	375
40451	Stainless Steel Sender	5 Hole	NMEA 2000	450
40501	Stainless Steel Sender	5 Hole	NMEA 2000	500

- Utilising magnetic field to control the reed on-off switch, the product features a long service life and protection against vibration.
- Output signal: NMEA2000 Network Messages.
- 304G stainless steel main body.
- SAE standard 5 mounting holes.
- Operating temperature: -30°C ~ +80°C.
- Connector: Male "Micro -C" Pin out.
- 2mm thick FPM gasket.
- 1M network cable.
- Stainless steel screws included.
- 33mm float diameter.
- CE Certified.

NOTE: Special sizes available to order.  
Length is measured from underside of the flange to the base of the shaft.



**KUS®**

Mounting Flange on Tank

## NMEA - Analog to NMEA2000 Converter

Part No.	Description	Volts Range (V)	Range (OHM)
40030	Analog to NMEA2000 Converter	8-32	240 - 33
40032	Analog to NMEA2000 Converter	8-32	0 - 190

NEW ENTRY

NEW ENTRY

- Universal adapter that allows one analog fuel/fresh water/waste water/ live well/oil/black water senders or engine performance sensors to the NMEA2000 network.
- Male "micro-C" pinout connector.
- Operation temperature: -40°C - +85°C.
- Maxium current: 50mA.
- IP7 rated.
- Plug 'n Play.
- CE Certified.



**KUS®**

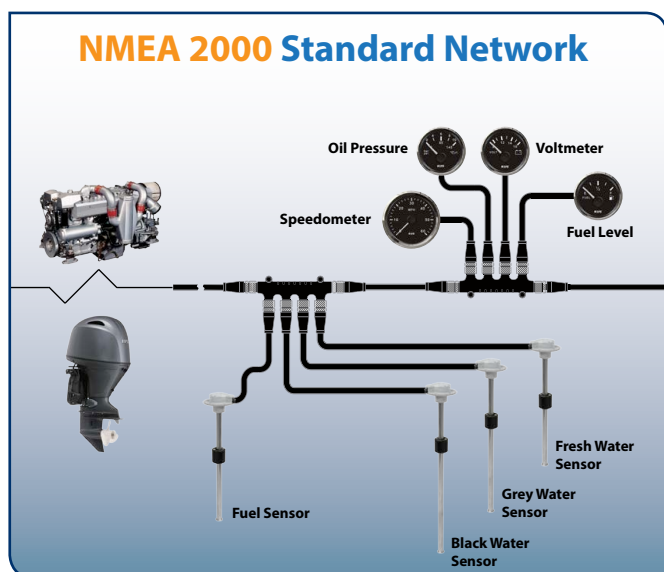
## NMEA - Terminals & Connectors

Part No.	Description
42482	120 ohm Terminal - Female
42484	120 ohm Terminal - Male
42486	T Backbone Connector - 180°
42488	T Backbone Connector - 90°
42490	NMEA 2000 Cable - suits 52mm Gauge
42492	NMEA 2000 Cable - suits 85mm Gauge
40133	Network Tool Box to suit NMEA2000

- All NMEA 2000 fittings are standardised to fit all other NMEA 2000 certified products.
- Simply add a T backbone connector to add more to the system.
- Plug 'n Play.
- CE Certified.



**KUS®**





## Tank Senders - 5 Hole



Part No.	Description	Mount Style	Length (mm)	OHMS ( $\Omega$ )	
40134	Stainless Steel Sender	5 Hole	100	240-33	
40135	Stainless Steel Sender	5 Hole	110	240-33	
40136	Stainless Steel Sender	5 Hole	120	240-33	
40140	Stainless Steel Sender	5 Hole	140	240-33	
40150	Stainless Steel Sender	5 Hole	150	240-33	
40175	Stainless Steel Sender	5 Hole	175	240-33	
40180	Stainless Steel Sender	5 Hole	180	240-33	
40195	Stainless Steel Sender	5 Hole	195	240-33	
40200	Stainless Steel Sender	5 Hole	200	240-33	
40220	Stainless Steel Sender	5 Hole	220	240-33	
40225	Stainless Steel Sender	5 Hole	225	240-33	
40235	Stainless Steel Sender	5 Hole	235	240-33	
40240	Stainless Steel Sender	5 Hole	240	240-33	
40250	Stainless Steel Sender	5 Hole	250	240-33	
40265	Stainless Steel Sender	5 Hole	265	240-33	
40275	Stainless Steel Sender	5 Hole	275	240-33	
40280	Stainless Steel Sender	5 Hole	280	240-33	
40300	Stainless Steel Sender	5 Hole	300	240-33	
40325	Stainless Steel Sender	5 Hole	325	240-33	
40335	Stainless Steel Sender	5 Hole	335	240-33	
40350	Stainless Steel Sender	5 Hole	350	240-33	
40375	Stainless Steel Sender	5 Hole	375	240-33	
40450	Stainless Steel Sender	5 Hole	450	240-33	
40500	Stainless Steel Sender	5 Hole	500	240-33	
40600	Stainless Steel Sender	5 Hole	600	240-33	

- Utilising magnetic field to control the reed on-off switch, the sender features a long service life and protection against vibration.
- Output signal: 240~33 $\Omega$ .
- 316G stainless steel main body.
- SAE Standard: 5 mounting holes.
- Operating temperature: -40°C - +85°C.
- Protection Rating: IP67.
- 2mm thick FPM gasket.
- 250mm tinned wire with PVC cover.
- Stainless steel mounting screws included.
- 33mm float diameter.

NOTE: Special sizes available to order.

Length is measured from underside of the flange to the base of the shaft.

## Tank Senders - Waste



42100 - 42410

42525 / 42800

40130

Part No.	Description	Mount Style	Length (mm)	OHMS ( $\Omega$ )	
42100	Stainless Steel Sender	6 Hole	100	240-30	
42205	Stainless Steel Sender	6 Hole	200	240-30	
42525	Stainless Steel Sender	1-1/4" BSP	250	240-30	
42305	Stainless Steel Sender	6 Hole	300	240-30	
42410	Stainless Steel Sender	6 Hole	400	240-30	
42800	Stainless Steel Sender	1-1/4" BSP	800	0-180	
40130	Replacement Stainless Steel Fixing Kit (suits 6 Hole Senders)				

- Stainless steel.
- Rubber gasket and stainless steel screws included.



## Tank Senders - 1 1/4" BSP

Senders 240-30 OHMS				
Part No.	Description	Mount Style	Length (mm)	OHMS (Ω)
41101	Stainless Steel Sender	1-1/4" BSP	100	240-33
41150	Stainless Steel Sender	1-1/4" BSP	150	240-33
41175	Stainless Steel Sender	1-1/4" BSP	175	240-33
41200	Stainless Steel Sender	1-1/4" BSP	200	240-33
41225	Stainless Steel Sender	1-1/4" BSP	225	240-33
41250	Stainless Steel Sender	1-1/4" BSP	250	240-33
41275	Stainless Steel Sender	1-1/4" BSP	275	240-33
41300	Stainless Steel Sender	1-1/4" BSP	300	240-33
41325A	Stainless Steel Sender	1-1/4" BSP	325	240-33
41350	Stainless Steel Sender	1-1/4" BSP	350	240-33
41375	Stainless Steel Sender	1-1/4" BSP	375	240-33
41400	Stainless Steel Sender	1-1/4" BSP	400	240-33
41425	Stainless Steel Sender	1-1/4" BSP	425	240-33
41450	Stainless Steel Sender	1-1/4" BSP	450	240-33
41475	Stainless Steel Sender	1-1/4" BSP	475	240-33
41500	Stainless Steel Sender	1-1/4" BSP	500	240-33
41550	Stainless Steel Sender	1-1/4" BSP	550	240-33
41600	Stainless Steel Sender	1-1/4" BSP	600	240-33
41650	Stainless Steel Sender	1-1/4" BSP	650	240-33
41700	Stainless Steel Sender	1-1/4" BSP	700	240-33
41800	Stainless Steel Sender	1-1/4" BSP	800	240-33
41850	Stainless Steel Sender	1-1/4" BSP	850	240-33
41900	Stainless Steel Sender	1-1/4" BSP	900	240-33
41100	Stainless Steel Sender	1-1/4" BSP	1000	240-33
41675B	Stainless Steel Sender	1-1/4" BSP	1675	240-33
Senders 0-180 OHMS				
43190	Stainless Steel Sender	1-1/4" BSP	190	0-180
43400	Stainless Steel Sender	1-1/4" BSP	400	0-180
43500	Stainless Steel Sender	1-1/4" BSP	500	0-180
43600	Stainless Steel Sender	1-1/4" BSP	600	0-180
431100	Stainless Steel Sender	1-1/4" BSP	1100	0-180

- Utilising magnetic field to control the reed on-off switch, the sender features a long service life and protection against vibration.
- Output signal: 240~33Ω.
- 316G stainless steel main body.
- 1-1/4" BSP twist-on thread assembly.
- Operating temperature: -40°C - +85°C.
- Protection Rating: IP67.
- Mounting: 38mm x 2.6mm O-ring.  
43mm x 3.5mm O-ring.
- 250mm tinned wire with PVC cover.
- 33mm float diameter.

NOTE: Special sizes available to order.

Length is measured from underside of the flange to the base of the shaft.

Sender Adaptors	
Part No.	Description
40125	Stainless Steel Topside & Underside Weld in Flange suits 1-1/4" BSP
40126	Stainless Steel Weld in Flange suits 1-1/4" BSP
40127	Weld in Flange suits 5 Hole Sender M5 Blind
40128	Nylon Flange Fixing Kit suits 1-1/4" BSP
40129	Alloy Weld in Flange suits 1-1/4" BSP
40129-BULK	Alloy Weld in Flange suits 1-1/4" BSP - 20 Pack

NEW ENTRY



## Rudder Angle Sensor

Part No.	Description	Type	OHMS (Ω)
43650	Rudder Angle Sensor	Single Gauge	0-190
43652	Rudder Angle Sensor	Dual Gauges	0-190



### Wipe The Competition Away!

Roca is one of the leading marine wiper system manufacturing companies that ships world wide. Their drive is to deliver the best quality product they can.

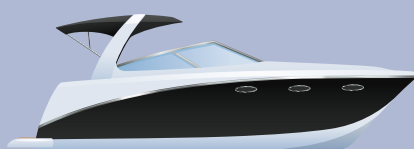
Roca design and develop all their wiper systems in house and comply with applicable environmental laws to help reduce the burden on the environment.



## Selecting the Right Wiper System

1

### Before You Start



There are a few things you need to know before you start

1. What size is the windscreen?
2. Where is the motor being installed, top, bottom or off to the side?
3. What type of wiper arm do you need?

2

### Wiper Arm Types



Single Wiper Arm systems are most commonly used on trailer boats and vehicles, they offer a wide range of installation setups. They are ideal for smaller windscreens or windscreens that have a curve with a small wipe area.

39862



Pantograph Wiper Arm systems are most commonly used on larger boats and vehicles, they require to be installed in the centre of the windscreen. Pantograph wiper systems are ideal for large windscreens and have a large wipe area.

39864, 39866, 39892



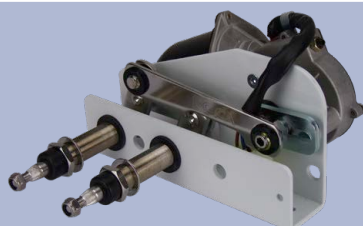
3

### Selecting A Motor



The Roca single drive motor is ideal for almost every setup, single and pantograph wiper arms can be installed on to this motor, it has an adjustable sweep angle from 40° (45° pre-set) to 110°, adjustable park position left or right (pre-set) and provides 12Nm of torque.

- 2.5" stainless steel shaft.
- Insulated ground for metal, plastic or wooden finishes.
- Powers wiper arms and blades up to 610mm x 560mm.



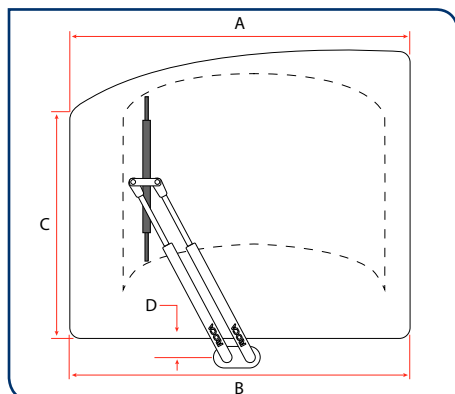
The Roca dual drive motor is ideal for larger setups that require large pantograph wiper arms, it has an adjustable sweep angle from 40° (45° pre-set) to 110°, adjustable park position left or right (pre-set) and provides 38Nm of torque.

- 2 x 2.5" stainless steel shafts.
- Insulated ground for metal, plastic or wooden finishes.
- Powers any compatible wiper arm and blade combination.



## Wiper Installation

Please note that this is a quick guide on how to install a wiper system, some installations will require extra or different steps to complete the installation procedure.



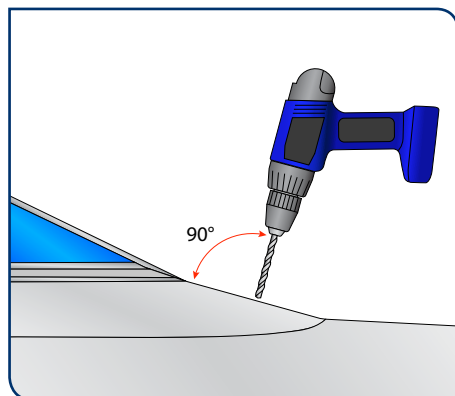
### Step 1:

Firstly you will need to determine how to mount the motor, below, above or to one side of the windshield. You will need to know the measurements of the windshield (A, B & C) and the thickness of the bulkhead (D).

**It is important to note if you are mounting the wipers to a CURVED screen the settings on the motor will need to be adjusted.**

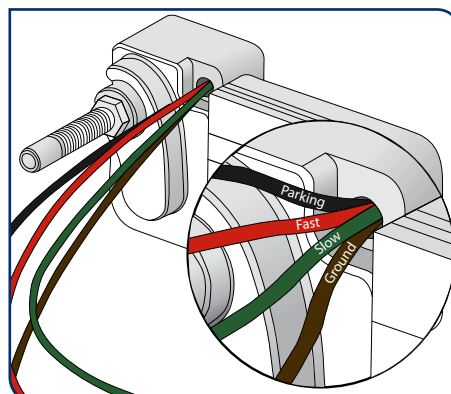


**WARNING IF FITTING TO CURVED SCREENS  
SETTINGS WILL NEED TO BE ADJUSTED!**



### Step 3:

Place the wiper arm on the windshield with the base inline with where the motors shaft will be. Mark the spot and drill at a 90° angle to the surface.



### Step 2:

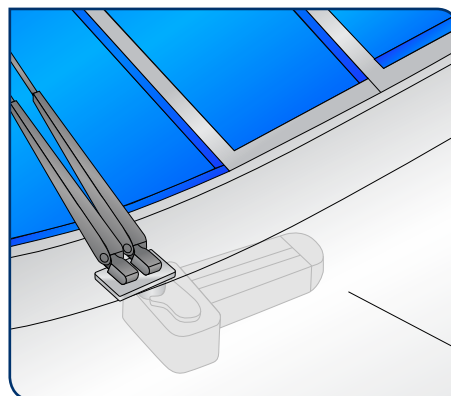
Identify the wires coming out of the motor, they are colour coded, each wire has its own purpose.

**Black:** Parking

**Red:** Fast Mode

**Green:** Slow Mode

**Brown:** Ground



### Step 4:

Install the motor with the support screw (this is not a fastener) it is installed on the inside, the screw needs to be short enough that it does not penetrate the outer wall. Attach wiper arm to the motor shaft, and then program the wiper range required.

**NOTE:** Always follow the instruction manual provided.

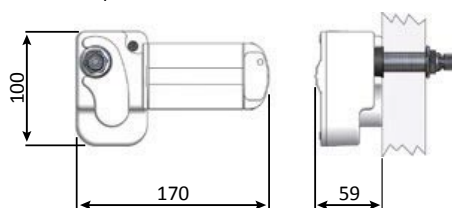
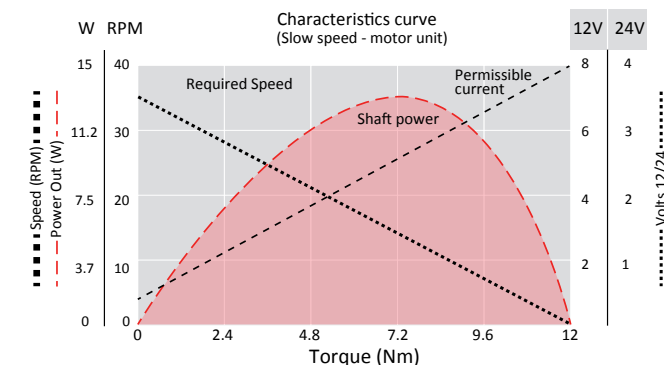


## Wiper Motor - Single Drive Systems



Part No.	Description	Shaft Length (mm)	Colour	Volts (V)	Dimensions L x W x D (mm)
39854	Wiper Motor - Single Drive	42	Black	12	170 x 100 x 109
39873	Wiper Motor - Single Drive	68	Black	12	170 x 100 x 109
39877	Wiper Motor - Single Drive	68	White	12	170 x 100 x 109
39880	Wiper Motor - Single Drive	68	White	24	170 x 100 x 109

- Rigid Aluminium Housing.
- 12Nm of torque.
- Insulated ground for metal, plastic and wooden boats.
- Adjustable sweep angle from 40° to 110° for maximum visibility.
- Adjustable park position right or left with 2 speeds, 35/55 RPM.
- Will power up to 610mm x 560mm arm and blade combination.
- Protection Rating: IP65.
- CE certified and EMC protected.



**WARNING IF FITTING TO CURVED SCREENS  
SETTINGS WILL NEED TO BE ADJUSTED!**

## Pantograph Wiper Arm - Single Drive

Part No.	Description	Suits Motor	Adjustable Length (mm)
39864	Pantograph Wiper Arm	39877/39880	355 - 482
39866	Pantograph Wiper Arm	39877/39880	482 - 609
39869	Replacement Plate & Shaft for Pantograph Arm		

- Stainless steel frame with black anti glare paint.
- Adjustable arm length.
- J-hook connection fits most wiper blades on the market.

## Standard Wiper Arm - Single Drive

Part No.	Description	Suits Motor	Adjustable Length (mm)
39862	Standard Wiper Arm	39877/39880	319 - 458

- Stainless steel frame with black anti glare paint.
- Adjustable arm length.
- J-hook connection fits most wiper blades on the market.

## Wiper Blades - Single Drive

Wiper Blade - Single Drive		
Part No.	Description	Size (mm)
39870	Wiper Blade	304
39872	Wiper Blade	355
39874	Wiper Blade	406
39876	Wiper Blade	457
39878	Wiper Blade	508
39879	Wiper Blade	558



- Zinc plated with black anti glare paint.
- Natural rubber profile with stainless steel backer.
- 2 adaptors to fit wiper arms with a straight connection or J-hook connection.



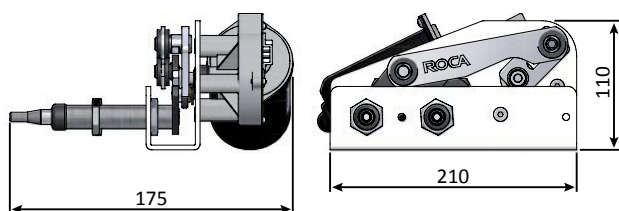


## Wiper Motor - Dual Drive Systems

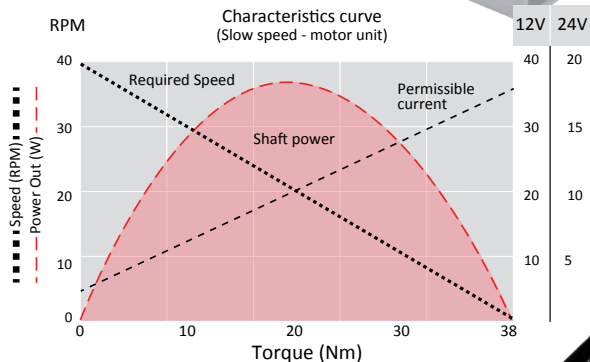
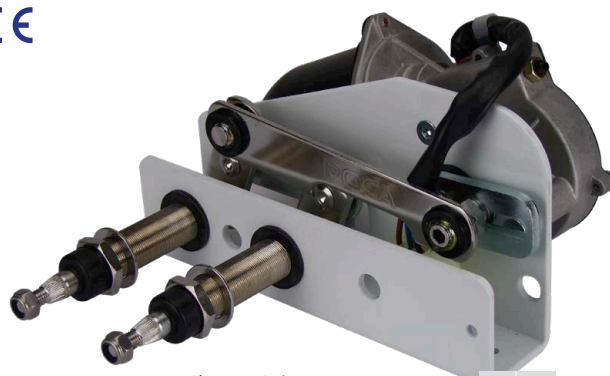


Part No.	Description	Volts (V)	Dimensions W x H x D (mm)
 <b>39882</b>	Wiper Motor - Dual Drive	12	210 x 110 x 175
 <b>39883</b>	Wiper Motor - Dual Drive	24	210 x 110 x 175

- Heavy-duty powder coated steel frame.
- 2.5" stainless steel drive shaft.
- 38Nm of torque.
- Insulated ground for metal, glass reinforced plastic and wooden boats.
- Adjustable sweep angle from 40° to 110° for maximum visibility.
- Adjustable park position right or left with 2 speeds, 35/55 RPM.
- Will power any compatible arm and blade available.
- CE certified and EMC protected.



**WARNING IF FITTING TO CURVED SCREENS  
SETTINGS WILL NEED TO BE ADJUSTED!**



## Pantograph Arm - Dual Drive



Part No.	Description	Suits Motor	Adjustable Length (mm)
 <b>39892</b>	Pantograph Wiper Arm	<b>39882/39883</b>	470 - 750

- Stainless steel frame with black anti glare paint.
- Adjustable arm length.
- Saddle width 16mm.
- Suits bolt on blades.
- Includes spray tube and nozzle.

Pantograph Arm



## Deluxe Wiper Blade - Dual Drive

Part No.	Description	Suits Arm	Size (mm)
 <b>39894</b>	Deluxe Wiper Blade	<b>39892</b>	559
 <b>39896</b>	Deluxe Wiper Blade	<b>39892</b>	609

- Zinc plated with black anti glare paint.
- Natural rubber profile with stainless steel backer.
- Suits wiper arms with a saddle of 16mm bolt on.



Deluxe Wiper Blade





## Windscreen Wiper / Washer Kit

Includes NEW SWITCH



ROCA



WARNING IF FITTING TO CURVED SCREENS  
SETTINGS WILL NEED TO BE ADJUSTED!

PRODUCT  
UPDATE

PRODUCT  
UPDATE

Part No.	Description	Arm Length (mm)	Wiper Blade Length (mm)
40000	Windscreen Wiper / Washer Kit	482 - 609	508
40002	Windscreen Wiper / Washer Kit	317.5 - 457	457

- This wiper kit is complete with wiper and water container for freshwater windscreen washing.
- Quiet operation.
- 2 speed motor.
- Easy adjustable sweep - Angle from 45° to 120°.
- Both kits now include the **NEW** blue illuminated IP67 Rated push button Relaxn switch (for more information on the 530722 push button switch refer to page 367).

## 40000 Kit Includes:

- 1 x 39866 - Adjustable Pantograph Arm 482mm - 609mm.
- 1 x 39878 - Ultra Deluxe Wiper Blade 508mm.
- 1 x 39877 - Waterproof Wiper Motor 2 Speed 12V.
- 1 x 39886 - Windshield washer kit, includes 2Ltr bottle, 12V Pump, 110cm hose, hose retainers and 1 x arm mounted, twin jet nozzle.
- 1 x 530722 - Blue illuminated IP67 Rated push button switch.
- 1 x 39840 - Wiper 12V Switch 3 Position.

## 40002 Kit Includes:

- 1 x 39864 - Adjustable Pantograph Arm 317.5mm - 457mm.
- 1 x 39876 - Ultra Deluxe Wiper Blade 457mm.
- 1 x 39877 - Waterproof Wiper Motor 2 Speed 12V.
- 1 x 39886 - Windshield washer kit, includes 2Ltr bottle, 12V Pump, 110cm hose, hose retainers and 1 x arm mounted, twin jet nozzle.
- 1 x 530722 - Blue illuminated IP67 Rated push button switch.
- 1 x 39840 - Wiper 12V Switch 3 Position.

## Windshield Washer Kit



ROCA

Part No.	Description	Tank Size (Ltr)	Volts (V)	Tank Dimensions W x H x D (mm)
39886	Washer Complete Kit	2	12	124 x 230 x 100
39887	Washer Complete Kit	2	24	124 x 230 x 100
39888	Nozzle & Attachment Kit suits 39886 / 39887 / 39889			

- Kit includes: Polypropylene tank.
- Motor.
- Tubing and fittings to attach to wiper arm.



## Water Tank with Pump



ROCA

Part No.	Description	Tank Size (Ltr)	Volts (V)	Tank Dimensions L x W x H (mm)
39889	Water Tank with Pump	5	12	498 x 105 x 194
39888	Nozzle & Attachment Kit suits 39886 / 39887 / 39889			

- Water tank with a 12V pump tubing and T connection.
- Polypropylene Tank.

NOTE: Requires spray kit 39888.



## Wiper Motor - Control Box

Part No.	Description	Suits Motor	Volts (V)	Dimensions L x W x H (mm)
<b>39884</b>	Motor Control Box	<b>39877/39880</b>	12/24	106 x 80 x 34



- Stainless steel and aluminium body.
- Suits 1 - 3 motors (12Nm).
- Includes 1 illuminated carling switch and cable with a IP68 rating.
- Synchronised sweep: Interval.  
Slow speed.  
Fast speed.
- When running, push switch to momentary for more then 1 second to start the washer.
- Small design maximises space.
- Easy to install.
- Use additional switch for dual control (**39842**).
- CE certified.
- 3 years warranty.



## Wiper Control Box

Part No.	Description	Suits Motor	Volts (V)	Dimensions L x W x H (mm)
<b>39844</b>	Motor Control Box	<b>Suits All</b>	12/24	99 x 33 x 59



- Suits one motor (10Nm - 50Nm).
- Includes 1 illuminated carling switch and cable with a IP68 rating.
- Synchronised sweep: Interval.  
Slow speed.  
Fast speed.
- When running, push switch to momentary for more then 1 second to start the washer.
- Small design maximises space.
- Easy to install.
- Use additional switch for dual control (**39842**).
- CE certified.



## Wiper Switch 3 Position

Part No.	Description	Switch	Volts (V)	Cut Out (mm)	Dimensions H x W (mm)
<b>39840</b>	3 Position Switch	Off / On / On	12	36.8 x 21.1	49 x 24
<b>39842</b>	3 Position Switch	Off / On / (On)*	12	36.8 x 21.1	49 x 24

- Suitable for 2 speed wiper motors.
- Protection Rating: IP68.
- **39842** illuminated.
- **39840** non illuminated.

NOTE: **39842** replacement switch for **39884** and **39844**.  
**39840** replacement switch for **39877** and **39880**.



## Wiper J Blade Arm Connector

Part No.	Description	Suits Arms
<b>39868</b>	J Hook Adapter	<b>39864/39866/39862</b>

- Replacement J hook.
- Plastic.



## Windshield Washer - Bulkhead Fitting

Part No.	Description	Maximum Thickness (mm)	Overall Length (mm)
<b>39881</b>	Bulkhead Fitting suits Washer Hose	80	122



## Wiper Motor - Heavy-Duty



Part No.	Description	Volts (V)
39853	Heavy-Duty Wiper Motor	12

- 2 speed motor with self parking.
- 4 sweep angles, 83°, 100°, 110° and 120°.
- 65mm shaft length with a diameter of 16mm.

## Wiper Kit with Waterproof Cover



Part No.	Description	Volts (V)
39847	Waterproof Wiper Kit	12

- White waterproof casing covering the motor.
- Kit includes: Motor with cover.  
Adjustable stainless steel arm 180-280mm.  
280mm stainless steel / rubber blade.
- Self parking with a 110° sweep angle.
- 87mm shaft length with a diameter of 12mm.

## Wiper Kit with Stainless Steel Cover



Part No.	Description	Volts (V)
39215	Stainless Steel Wiper Kit	12

- Marine grade stainless steel covering the motor.
- Kit includes: Motor with cover.  
Adjustable stainless steel arm 180-280mm.  
280mm stainless steel / rubber blade.
- Self parking with a 110° sweep angle.
- 60mm shaft length with a diameter of 9mm.
- Not recommended for commercial or prolonged use.

## Wiper Kit with Stainless Steel Cover

Part No.	Description	Size (mm)
 39857	Wiper Blade	279
 39859	Wiper Blade	355

- Stainless steel frame.
- High quality rubber blade.



## Wiper Controller - Electronic



Part No.	Description	Volts (V)
39830	Electronic Wiper Controller	12/24





- Smart touch panel with a 1 to 3 wiper configuration.
- Range of 5 timing regulations.
- LED interface.





## Horns & Trumpets Horns & Trumpets



### Trumpet - Surface Mounting - Stainless Steel

Part No.	Description	Decibels @ 1m	Frequency (Hz)	Dimensions L x W x D (mm)	Volts (V)
 53718	Single Trumpet	118	388	420 x 100 x 115	12
 53720	Dual Trumpet	117	375	445 x 200 x 125	12
 53722	Dual Trumpet	117	357	445 x 200 x 125	24
 53719	Single Trumpet 2Amp	120	321	420 x 100 x 115	24

- 304G stainless steel construction from inside and out.
- Pre wired.
- Fasteners sealed in resin to block moisture.
- Vibration reduction pads.
- Meets the ABYC A-23 for boats up to 12 metres.
- 5 year warranty on stainless steel.
- 1 year warranty on electrical.






### Trumpet - Shorty - Stainless Steel

Part No.	Description	Decibels @ 1m	Frequency (Hz)	Dimensions L x W x D (mm)	Volts (V)
 53724	Shorty Trumpet	114	410	355 x 90 x 100	12
 53726	Dual Shorty Trumpet	114	410	405 x 190 x 100	12

- 304G stainless steel construction from inside and out.
- Pre wired.
- Fasteners sealed in resin to block moisture.
- Vibration reduction pads.
- Meets the ABYC A-23 for boats up to 12 metres.
- 5 year warranty on stainless steel.
- 1 year warranty on electrical.




### Horns - Recessed - Stainless Steel

Part No.	Description	Decibels @ 1m	Frequency (Hz)	Dimensions L x W x D (mm)	Volts (V)
 53700	Single Horn	106	410	75 x 80 x 45	12
 53702	Double Horn Kit	106	410	75 x 80 x 45	12
 53704	Cover to suit horns				

- 304G stainless steel construction from inside and out.
- Pre wired.
- Fasteners sealed in resin to block moisture.
- Vibration reduction pads.
- Meets the ABYC A-23 for boats up to 12 metres.
- 5 year warranty on stainless steel.
- 1 year warranty on electrical.




### Horns - Flush Mount - Stainless Steel

Part No.	Description	Decibels @ 1m	Frequency (Hz)	Dimensions L x W x D (mm)	Volts
 53729	Compact Dual Horn	1112	403	205 x 80 x 50	12

- Suits Grady White and many other USA built boats.
- 304G stainless steel construction from inside and out.
- Pre wired.
- 5 year warranty on stainless steel.
- 1 year warranty on electrical.



### Trumpet - Bug Deflector

Part No.	Description
 53730	Stainless Steel Bug Deflector

- Fits all trumpet horns
- Marine grade stainless steel.



## Sirocco II Elite Brushless Fan!

The Sirocco II Elite is the worlds first brushless DC cabin fan. Compared to the Sirocco II and other fans with conventional motors, the Elite's motor is designed to last up to four times as long.

In addition to exceptional longevity, the fan offers an unmatched combination of build quality, airflow, whisper-quiet operation and a four year warranty. Beyond performance, the attractively designed Elite will make a statement of sophistication in any galley, salon or stateroom.



### Fan - 4 Speed - Sirocco II Elite



Part No.	Description	Colour	Volts (V)	Fan Dia. (mm)	Dimensions L x W x H (mm)
<b>53126</b>	Sirocco II Elite	White	12/24	180	99 x 241 x 305
<b>NEW ENTRY</b> <b>53126-BULK</b>	White Sirocco II Elite - 4 Pack				
<b>53127</b>	Sirocco II Elite	Black	12/24	180	99 x 241 x 305
<b>NEW ENTRY</b> <b>53127-BULK</b>	Black Sirocco II Elite - 4 Pack				

- Powerful brushless motor provides 30% increased airflow.
- Improved air flow.
- 360° airflow.
- 4 speed fan offers quite operation with a unique gimbaled design that allows airflow to be directed in any direction.
- Stainless steel grill.
- Can be folded flat against the bulkhead when not in use.
- 4 preset timer settings with timer indicator lights, 3, 6, 9 and 12 hours.
- Draws less then 0.34 amps at high speeds.
- Same mounting footprint as Sirocco II.
- 2 mounting options, self adhesive or permanent.
- 4 years warranty



360° of airflow



Easy to install

Caframo

### Fan - 3 Speed - Sirocco II



Part No.	Description	Colour	Volts (V)	Fan Dia. (mm)	Dimensions L x W x H (mm)
<b>53139</b>	Sirocco II	White	12/24	180	89 x 241 x 304
<b>NEW ENTRY</b> <b>53139-BULK</b>	White Sirocco II - 4 Pack				
<b>53141</b>	Sirocco II	Black	12/24	180	89 x 241 x 604
<b>NEW ENTRY</b> <b>53141-BULK</b>	Black Sirocco II - 4 Pack				



- 3 speed fan offers quite operation with a unique gimbaled design that allows airflow to be directed in any direction.
- Can be folded flat against the bulkhead when not in use.
- 4 preset timer settings with timer indicator lights, 3, 6, 9 and 12 hours.
- Draws less then 0.34 amps at high speeds.
- 2 mounting options, self adhesive or permanent.
- 2 years warranty.



360° of airflow



Easy to install

Caframo





## Fan - 3 Speed - Maestro

Part No.	Description	Colour	Volts (V)	Fan Dia. (mm)	Dimensions L x W x H (mm)
53152	Maestro	White	12	140	96 x 165 x 241
53152-BULK	White Maestro - 6 Pack				
53154	Maestro	Black	12	140	96 x 165 x 241
53152-BULK	Black Maestro - 6 Pack				

- Variable fan speeds, for ideal sleeping environment.
- Whisper quiet.
- Dual LED Lighting: 6 x White.  
5 x Red for night mode.
- Locate wired remote panel control up to 6ft from fan.
- Protective front/back grill.
- 2 years warranty.



Night Mode



Bright Mode

NEW ENTRY

NEW ENTRY

2 YEAR WARRANTY



Control Panel



Caframo



## Fan - 3 Speed - Bora

Part No.	Description	Colour	Volts (V)	Fan Dia. (mm)	Dimensions L x W x H (mm)
53130	Bora	White	12	150	89 x 165 x 241
53130-BULK	White 12V Bora Fan - 6 Pack				
53132	Bora	Black	12	150	89 x 165 x 241
53132-BULK	Black 12V Bora Fan - 6 Pack				
53134	Bora	White	24	150	89 x 165 x 241
53134-BULK	White 24V Bora Fan - 6 Pack				
53136	Bora	Black	24	150	89 x 165 x 241
53136-BULK	Black 24V Bora Fan - 6 Pack				

- 3 Variable fan speeds, for ideal sleeping environment.
- Compact design with a locking cam mount.
- Can be mounted sideways, upright and downwards.
- Draws low power at high speeds.
- On/off switch in the centre of the grill.
- 2 years warranty.

NEW ENTRY

NEW ENTRY

NEW ENTRY

NEW ENTRY

2 YEAR WARRANTY



Caframo





### Fan - 2 Speed - Ultimate - Lighter Plug



Part No.	Description	Colour	Volts (V)	Fan Dia. (mm)	Dimensions L x W x H (mm)
53148	Ultimate	White	12	178	127 x 58 x 140
<b>NEW ENTRY</b> 53148-BULK	Ultimate - White - 8 Pack				
53149	Ultimate	Black	12	178	127 x 58 x 140
<b>NEW ENTRY</b> 53148-BULK	Ultimate - Black - 8 Pack				

- Powered by lighter plug.
- Ultra quiet 2 speed fan with a tilting head.
- FingerSafe™ blade that has a shock-absorbing leading edge that flexes when it is stopped.
- Long life motor that draws 0.5 amps at high speed.
- 2 mounting options, suction cap or screw down.
- Optional suction cap mount included.
- 2 years warranty.



FingerSafe blade



Suction Mount



Lighter Plug

**Caframo**

### Fan - 2 Speed - Ultimate - Hard Wired



Part No.	Description	Colour	Volts (V)	Fan Dia. (mm)	Dimensions L x W x H (mm)
53145	Ultimate	White	12	178	127 x 58 x 140
<b>NEW ENTRY</b> 53145-BULK	Ultimate - White - 8 Pack				
53147	Ultimate	Black	12	178	127 x 58 x 140
<b>NEW ENTRY</b> 53147-BULK	Ultimate - Black - 8 Pack				

- Ultra quiet 2 speed fan with a tilting head.
- FingerSafe™ blade that has a shock-absorbing leading edge that flexes when it is stopped.
- Long life motor that draws 0.5 amps at high speed.
- Screw down mount.
- 2 years warranty.



FingerSafe blade



2 speed rocker switch



Easy screw down mounting system

**Caframo**

### Fan Blades - Blade Replacement



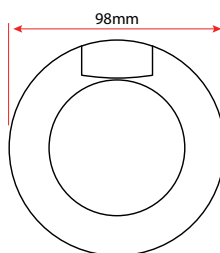
Part No.	Description	Colour	Suits
53168	Replacement Fan Blade	White	Sirocco II
53170	Replacement Fan Blade	Black	Sirocco II



## Battery Switch - Concealed

Part No.	Description	Volts (V)	Cut Out Dimensions ø x D (mm)	Overall Size ø x D (mm)
28529	Round Battery Box with Switch Kit	12/24	78 x 110	98 x 110
23124	Battery Isolator Switch	12/24	78 x 70	98 x 70
28527	Battery Switch Box Only			
23124A	Replacement Red Key to suit 23124			

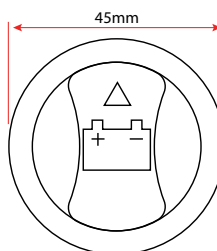
- Simply turn and remove the key to isolate and secure the electrical system.
- 2 pole switch.
- Rated at 500 amps at 12V.



## Battery Switch - Mini

Part No.	Description	Function	Volts (V)	Maximum Continuous Load (Amp)	Dimensions ø x D (mm)
530780	Battery Master Switch - Mini	2	12/24	100 @ 12V	45 x 55

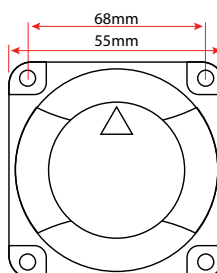
- Robust weather resistant battery switch, features brass terminals and heavy-duty plastic construction making it ideal for marine and automotive applications.
- Amp range:
  - 1000A @ 12V for 5 seconds.
  - 500A @ 24V for 5 seconds.
  - 100A @ 12V continuous load maximum.
  - 50A @ 24V continuous load maximum.
- Mounting screws supplied.
- 2 position features - On / Off.
- 1 year warranty.



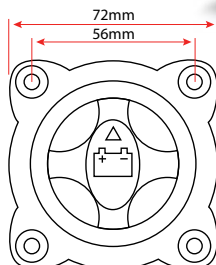
## Battery Switch - Contact

Part No.	Description	Volts (V)	Maximum Continuous Load (Amp)	Dimensions L x H x D (mm)
53087	Battery Switch	12/24	230 @ 12V	68 x 68 x 62
53087-BULK	Battery Switch - 10 Pack			

- Compact battery isolating switch, features brass terminals and heavy-duty plastic construction making it ideal for marine and automotive applications.
- Amp range:
  - 350A @ 12V for 5 minutes.
  - 250A @ 12V continuous load maximum.
- Vapour proof and ignition protected.
- Can be surface or flushed mounted.
- 2 position features - On / Off.
- Luminous label for use in low light.
- Made from noncorrosive materials.



## Battery Switch - 2 Position - Flush Mount

NEW ENTRY

530782

Battery Master Switch - Rotary Style w/ 2 Positions

2

Flush

12/24

300 @ 12V

72 x 72 x 66.5



NEW ENTRY

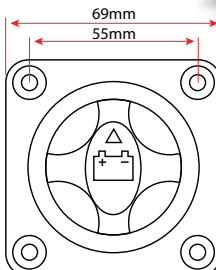
530782-BULK

Battery Master Switch - 10 Pack



- Robust weather resistant battery switch, features brass terminals and heavy-duty plastic construction making it ideal for marine and automotive applications.
- Amp range:
  - 1000A @ 12V for 30 seconds.
  - 500A @ 24V for 30 seconds.
  - 250A @ 50V for 30 seconds.
  - 300A @ 12V continuous load maximum.
  - 150A @ 24V continuous load maximum.
  - 75A @ 50V continuous load maximum.
- Mounting screws supplied.
- 2 position features - On / Off.
- 1 year warranty.

## Battery Switch - 2 Position - Surface Mount

Part No.

Description

Function

Mount Style

Volts (V)

Maximum Continuous Load (Amp)

Dimensions L x W x D (mm)

530781

Battery Master Switch - Rotary Style w/ 2 Positions

2

Surface

12/24

300 @ 12V

69 x 69 x 74

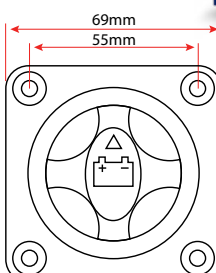


530781-BULK

Battery Master Switch - 10 Pack

- Robust weather resistant battery switch, features brass terminals and heavy-duty plastic construction making it ideal for marine and automotive applications.
- Amp range:
  - 1000A @ 12V for 30 seconds.
  - 500A @ 24V for 30 seconds.
  - 250A @ 50V for 30 seconds.
  - 300A @ 12V continuous load maximum.
  - 150A @ 24V continuous load maximum.
  - 75A @ 50V continuous load maximum.
- Mounting screws supplied.
- 2 position features - On / Off.
- 1 year warranty.

## Battery Switch - 4 Position - Surface Mount

Part No.

Description

Function

Volts (V)

Maximum Continuous Load (Amp)

Dimensions L x W x D (mm)

530786

Battery Master Switch - Rotary style w/ 4 Positions

4

12/24

300 @ 12V

69 x 69 x 74



530786-BULK

Battery Master Switch - 10 Pack

- Robust weather resistant battery switch, features brass terminals and heavy-duty plastic construction making it ideal for marine and automotive applications.
- Amp range:
  - 1000A @ 12V for 30 seconds.
  - 500A @ 24V for 30 seconds.
  - 250A @ 50V for 30 seconds.
  - 300A @ 12V continuous load maximum.
  - 150A @ 24V continuous load maximum.
  - 75A @ 50V continuous load maximum.
- Mounting screws supplied.
- 4 position feature - Battery 1 and 2  
Battery 1  
Battery 2  
Off
- 1 year warranty.

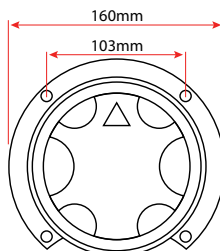




## Battery Switch - Heavy-Duty

Part No.	Description	Volts (V)	Maximum Continuous Load (Amp)	Dimensions Ø x D (mm)
23119	Heavy-Duty Dual Battery Switch	12/24	250 @ 12V	160 x 72

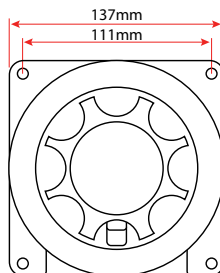
- Robust battery switch, features brass terminals and heavy-duty plastic construction making it ideal for marine and automotive applications.
- Amp range:
  - 500A @ 12V for 5 minutes.
  - 310A @ 12V continuous load maximum.
- Click stop to all positions.
- Vapour proof and ignition protected.
- 4 position feature - Battery 1 and 2  
Battery 1  
Battery 2  
Off
- Surface mounted.
- Made from noncorrosive materials.



## Battery Switch - Dual Battery

Part No.	Description	Volts (V)	Maximum Continuous Load (Amp)	Dimensions L x W x D (mm)
23122	Dual Battery Switch	12/24	175 @ 12V	137 x 137 x 72

- Robust battery switch, features brass terminals and heavy-duty plastic construction making it ideal for marine and automotive applications.
- Amp range:
  - 300A @ 12V momentary.
  - 175A @ 12V continuous load maximum.
- Click stop to all positions.
- Finger release lock stops knob from turning.
- Vapour proof and ignition protected.
- 4 position feature - Battery 1 and 2  
Battery 1  
Battery 2  
Off
- Surface mounted.
- Made from noncorrosive materials.

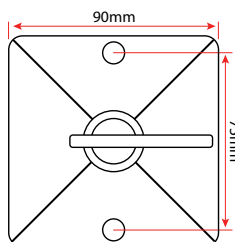


TMC

## Battery Switch - 4 Position Dual Battery

Part No.	Description	Volts (V)	Maximum Continuous Load (Amp)	Dimensions L x H x D (mm)
23126	4 Pole Dual Polarity Battery Switch	12/24	240 @ 12V	90 x 90 x 65

- Remove the key to isolate and secure the electrical system.
- Designed for a master disconnect switch.
- Continuous switch with 2 position features - On / Off.
- Amp range:
  - 240A @ 12V continuous load maximum.
  - 120A @ 24V continuous load maximum.
- Removable key at the nominated off position.
- Weather proof cap when the key is removed.



## Voltage Sensitive Relay

Part No.	Description	Volts (V)	Maximum Continuous Load (Amp)	Dimensions L x W x D (mm)
53082	Voltage Sensitive Relay	12	140 @ 12V	68 x 68 x 58
53082-BULK	Voltage Sensitive Relay - 10 Pack			

- Ideal for dual battery systems or to switch high current appliances.
- Automatically connects and disconnect an appliance or circuit at the preset input voltage with approximately a 10sec delay cut out.
- Features a surge protection, LED indicator silver tipped contact for durability and efficiency with a weatherproof body (IP65).
- Cut-in: 13.8V  
Cut out: 12.8V  
160A at 12V for 60 seconds  
140A at 12V maximum continuous load



relaxn

# Isolator, Rocker, Toggle & Push Button Switches

## Switch - 20A Push Button - Stainless Steel

	Part No.	Description	LED	Switch Facial Material	LED Function	Switch	Amps (A)	Volts (V)	Cut Out Ø (mm)	Dimensions Ø x D (mm)
<b>NEW ENTRY</b>	530724	Push Button	Blue	S/S	Configurable	On/Off	20	12	19	22 x 37
<b>NEW ENTRY</b>	530724-BULK	Blue Illuminated Switch - 10 Pack								
<b>NEW ENTRY</b>	530725	Push Button	Red	Polycarbonate	Configurable	On/Off	20	12	19	22 x 37
<b>NEW ENTRY</b>	530725-BULK	Red Back Light Switch - 10 Pack - Includes 530726 Label Set								
<b>NEW ENTRY</b>	530726	Switch - Labelling Stickers								



530724



Power Off



Power On



530725



Power Off



Power On

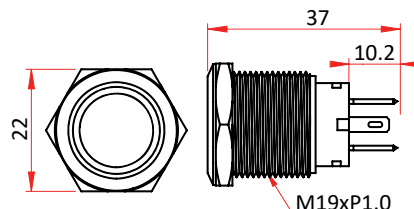


Label On

- Market leading 20A capability - No more relays.
- Durable CNC 316G stainless steel switch with stainless steel or polycarbonate face.
- 0.250" quick connect terminals.
- LED light is configurable to be push on/off latching or always on.
- Up to 20,000 cycles.
- Operating temperature - 20°C - +55°C.
- Prewired for easy installation.
- IP67 rated.
- 1 year warranty.



530726

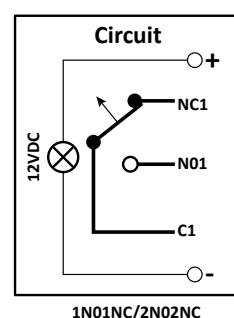
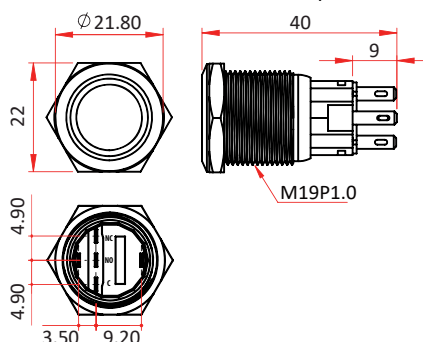


## Switch - 5A Push Button - Illuminated - Stainless Steel

	Part No.	Description	LED	LED Function	Switch	Amps (A)	Volts (V)	Cut Out Ø (mm)	Dimensions Ø x D (mm)
<b>NEW ENTRY</b>	530722	Push Button	Blue	Back Lighting	(On)/Off	20	12	19	22 x 40
<b>NEW ENTRY</b>	530722-BULK	Blue Illuminated Switch - 10 Pack							



- Durable stainless steel housing and button.
- Momentary switch.
- Blue LED light ring.
- Silver plated quick connect terminals.
- Up to 50,000 cycles.
- Operating temperature - 20°C - +55°C.
- IP67 rated.
- 1 year warranty.



C1 & NC1 are connected when the switch is NOT pressed (Normal condition, NC = Normally Closed)



C1 & NO1 are connected when the switch is pressed (NO = Normally Open)

LED is powered by independent DC 12V power (always ON).





## Switch - Rocker - LED

Part No.	Description	Volts (V)	Cut Out Ø (mm)	Dimensions Ø x D (mm)
 <b>530720</b>	Illuminated LED Rocker Switch	12-24	20	23 x 28
 <b>530720-BULK</b>	Illuminated LED Rocker Switch - 10 Pack			

NEW ENTRY

- 2 way switch on/off.
- Illuminates when switch is on.
- 1 year warranty.



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## Switch - Toggle

Part No.	Description	Volts (V)	Cut Out Ø (mm)	Dimensions L x W x D (mm)
 <b>53072</b>	Toggle Switch	12	7	28 x 11 x 55

- 2 way toggle switch on/off.
- Rubber boot to cover toggle.



## Switch - Push Button

Part No.	Description	Volts (V)	Cut Out Ø (mm)	Dimensions Ø x D (mm)
<b>30307</b>	Waterproof Push Button Switch	12 - 24	22	30 x 40

- Waterproof compact button with rubber cap and chrome plated bezel and contacts.
- Rated at 8 amps.
- Can be mounted through a maximum 6mm dash. Shaft stem diameter is 22mm.



## Switch - Push/Pull

Part No.	Description	Volts (V)	Cut Out Ø (mm)	Intrusion (mm)
<b>30204</b>	2 Position Push/Pull Switch	12/24	10	60
<b>30206</b>	3 Position Push/Pull Switch	12/24	10	78

- Chrome plated knobs.

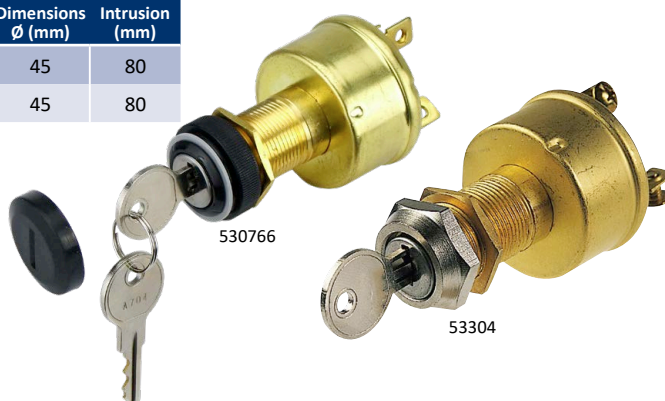


## Switch - Ignition

Part No.	Description	Volts (V)	Cut Out Ø (mm)	Dimensions Ø (mm)	Intrusion (mm)
<b>530766</b>	Waterproof Momentary Ignition Switch	12	20	45	80
<b>53304</b>	Momentary Ignition Switch	12	20	45	80

- All brass body construction.
- Brass terminals and screws.
- Includes 2 keys.
- Can be mounted through a maximum 25mm dash.

NOTE: 53304: 4 pole.





## Anchor Winch Deck Switch



Part No.	Description	Volts (V)	Cut Out Ø (mm)	Dimensions Ø (mm)
30200	Flush Mount Anchor Winch Deck Switch	12/24	61	120
30202	Surface Mount Anchor Winch Deck Switch	12/24	-	85

- Heavy-duty deck switch with waterproof deck mounting.
- Rated at 150 amps continuous.
- 6 x countersunk mounting holes.

NOTE: **30202** sold as pairs and requires solenoids to work.

## Switches - Rocker - Waterproof



Part No.	Description	Icon	Switch	Volts (V)	Dimensions W x H x D (mm)
530730	Switch C7 Wiper		On/Off/On	12/24	24 x 49 x 39
530732	Switch C7 Bilge		(On)/Off/On	12/24	24 x 49 x 39
530734	Switch C7 Deck Wash		On/Off	12/24	24 x 49 x 39
530736	Switch C7 Live Bait		On/Off	12/24	24 x 49 x 39
530738	Switch C7 Anchor Light		On/Off	12/24	24 x 49 x 39
530740	Switch C7 Navigation Lights		On/Off	12/24	24 x 49 x 39
530742	Switch C7 Flood Lights		On/Off	12/24	24 x 49 x 39
530744	Switch C7 Driving/Spot Light		On/Off	12/24	24 x 49 x 39
530746	Switch C7 Accessory	Blank	On/Off	12/24	24 x 49 x 39
530748	Switch C7 Plain	Non Illuminating	Off/(On)	12/24	24 x 49 x 39
530750	Dual USB with Cover	-	Tablet/Phone	12	24 x 49 x 39
530758	Switch - Labelling Stickers				

- Red LED Illuminates when switch is on.
- Protection Rating: IP68.
- **530750** - dual USB @ 2.4A & 1A.

NOTE: \* (On) = Momentary switch.

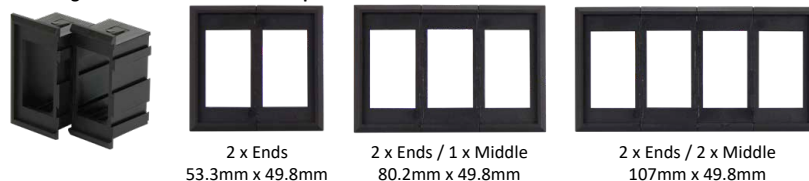


530758

## Mounting Pane

Part No.	Description	Dimensions W x H (mm)	Panel Type
530754	Switch Mounting Panel	26.65 x 49.8	End
530756	Switch Mounting Panel	26.65 x 49.8	Middle

Slides together to form custom switch panels:

2 x Ends  
53.3mm x 49.8mm2 x Ends / 1 x Middle  
80.2mm x 49.8mm2 x Ends / 2 x Middle  
107mm x 49.8mm

## Switch - Bilge Pump Panel




Part No.	Description	Switch	Volts (V)	Dimensions W x H (mm)
53122	Bilge Pump Switch Panel	On/Off/Auto	12	90 x 50

- 3 way switch on/off/auto.
- Auto mode turns the bilge pump on or off as required.



## Switch &amp; Alarm - Bilge Pump - Waterproof Panel

Part No.	Description	Switch	Volts (V)	Cut Out W x L (mm)	Dimensions W x H x D (mm)
 530772	Bilge Pump Switch Panel with Alarm	On/Off/On	12	105 x 45	75 x 114 x 54

- Modern design bilge pump panel with visual and audible alarm.
- Alarm activates and start pumping automatically when water reaches 2nd high float switch if the low switch fails or switched off.
- Backlight label provides easy recognition at night.
- Requires 2 float switches.
- When set to auto, the pump activates
- Waterproof siren (85dB).
- Protection Rating: IP66.
- CE certified.



20A ATP fuse included



## Switch - Deck Wash - Waterproof Panel

Part No.	Description	Switch	Volts (V)	Cut Out (mm)	Dimensions W x H x D (mm)
 530774	Deck Wash Control Panel	On/Off	12/24	105 x 45	75 x 114 x 54





- Modern design single gang switch panel.
- Backlight label provides easy recognition at night.
- 20A rated push reset circuit breaker.
- Protection Rating: IP66.
- CE certified.



20A circuit breaker



## Switch - Water Resistant Panels

Part No.	Description	Volts (V)	Dimensions W x H (mm)
 530715	5 Switch Water Resistant Black Panel with Cigarette Lighter Socket	12	107 x 96
 530715-BULK	5 Switch Panel with Cigarette lighter - 10 Pack		
 530716	6 Switch Water Resistant Black Panel	12	107 x 96
 530716-BULK	6 Switch Panel - 10 Pack		

- Heavy-duty metal toggle switches with waterproof rubber boots.
- LED panel indication when device is turned on.
- Protection Rating: IP56.
- 28 label stickers included.



530716

530715



## Emergency Switch Kit / Emergency Cord Kit

Part No.	Description	Amps (A)	Volts (V)
50530	Emergency Cut Off Switch & Cord	8	12
50532	Emergency Cord with 7 Connectors		

## 50530

- Ignition safety cut out switch.
- Safety switches with clip and coiled lanyard.
- Attaches to the driver, when clip is detached from switch the engine will cut out.

## 50532

- Universal set kill switch clips and lanyard (7 different clips).
- To suit most brands of outboards.



50530

50532

## Solenoids & Connectors

### Remote Control Units - Handheld



Part No.	Description	Amps (A)	Volts (V)	Cable Length (m)	Dimensions L x W x H (mm)
85950	2 Button Control Unit	2	DC 30	4	145 x 50 x 22
85954	6 Button Control Unit	2	DC 30	2.5	140 x 60 x 20
85961	2 Channel Radio Controller - 433Mhz				

- Designed for direct applications to command anchor winches, gangways etc.
- IP56 rating with a rubber soft grip.
- Casing made out of self extinguishing polyester resin.

### Solenoids - Heavy-Duty



Part No.	Description	Volts (V)	Watts (W)	Mounting Holes (mm)	Dimensions L x D x H (mm)
542950	Heavy-Duty Reverse Solenoid	12	500 - 1500	6	130 x 68 x 100
542952	Heavy-Duty Solenoid	12	500 - 1500	6	130 x 68 x 100
542954	Heavy-Duty Solenoid	24	500 - 1500	6	130 x 68 x 100

- Most commonly used for anchor winches.
- Quick connect fittings.
- Heavy-duty M8 primary connection posts.
- Molded mounting bracket.
- Replacement solenoid.

### Electrical - Connectors - Nylon



Part No.	Description	Pins	Type	Volts (V)
30194	Nylon Waterproof Deck Connector	2	Plug and Base	12
30195	Nylon Waterproof Deck Connector	2	Plug	12
30196	Nylon Waterproof Deck Connector	4	Plug and Base	12
30197	Nylon Waterproof Deck Connector	4	Plug	12

- Designed for applications up to 5 amps.

### Electrical - Connectors - Chrome Plated Brass





Part No.	Description	Pins	Volts (V)
30208	Chrome Plated Brass Connector	2	12/24
39561	Chrome Plated Connector	2	12/24
30210	Chrome Plated Brass Connector	3	12/24
30211	Chrome plated Brass Connector	4	12/24
30209	Base and Cap to suit 30208		

- Chrome plated waterproof brass screw apart plug and socket.
- Designed for applications up to 3 amps.





## Anderson Plug




Part No.	Description	Max Amps (A)
 <b>53036</b>	Anderson Plug 50 Amp Kit	50
 <b>53036-BULK</b>	Anderson Plug - <b>20 Pack</b>	

NEW ENTRY

- 2 pole battery connector.
- 6 AWG size wire.
- 50 amps of current.



## Low Volt Plug &amp; Socket

Part No.	Description	Amps (A) 12/32	Volts (V)
 <b>30217</b>	Low Volt Extension Plug	45/15	12 - 32
 <b>30218</b>	Low Volt Socket	45/15	12 - 32
 <b>30219</b>	Low Volt Extension Socket	45/15	12 - 32

- Ideal for low voltage power supply applications.
- Suits 2 core wire.
- Uses a T style plug so there can be no confusion between a 240V plug.



## Extension Lead

Part No.	Description	Volts (V)
 <b>53031</b>	5 Meter Heavy-Duty Extension Lead	12

- Ideal for a large range of DIY projects from marine to camper trailer.
- 1 year warranty.




## Cigarette/ Merit Plug

Part No.	Description	Volts (V)
 <b>53054</b>	Multipurpose Cigarette/Wella Merit Plug	12 - 24

- Fits all standard accessory sockets and merit sockets when red tip is removed.
- Replaceable GBC fuses.
- Bayonet-catch DIN to cigarette lighter plug adapter.
- 12V - 16A.
- 24V - 8A.
- 1 year warranty.

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## Thermo Merit/ Socket Splash Proof

Part No.	Description	Volts (V)
 <b>53050</b>	Thermo Merit/ Socket Splash Proof	12 - 24
<b>53053</b>	Chrome Brass Merit Socket (Body Earthing)	12 - 24

- Glass fibre reinforced socket with a splash/dust proof cap.
- Panel mounting with a back nut.
- 6.4mm push on terminal.
- 12V - 15A.
- 24V - 8A.
- 25mm cutout hole required with a maximum dash thickness of 10mm.
- 1 year warranty.



53053



53050

relaxn<sup>®</sup>

## Cigarette Lighter - Stainless Steel

Part No.	Description	Volts (V)
<b>53022</b>	Stainless Steel Cigarette Lighter Set	12
<b>53020</b>	Base Only	12/24

- Marine grade stainless steel.
- Indicator Light.
- **53020**: Rated at 5 amps at 12V.  
Rated at 2.5 amps at 24V.



53022

53020

### Flush Mount - Power Outlets



53048



40040



53055



53046



53044



53047



53045



53051

NEW ENTRY

Single Socket						
Part No.	Description	Colour	Volts (V)	Socket	Model	Dimensions L x W x H (mm)
53044	Flush Mount Charger Outlet	Black	12/24	Cig		51 x 60 x 43
53046	Flush Mount Charger Outlet	Black	12	USB		51 x 60 x 43
40040	Flush Mount Volt Meter	Black	12/24	Volt Meter		28 Ø Cut Out
53055	Flush Mount Dual Outlet Charger	Black	12	Dual USB		28 Ø Cut Out
53048	L Bracket - For 90 Degree Installation					
Double Socket						
53045	Flush Mount Charger Outlet Combo	White	12	USB/Cig		105 x 60 x 43
53047	Flush Mount Charger Outlet Combo	Black	12/24	Cig/Cig		105 x 60 x 43
53049	Flush Mount Charger Outlet Combo	Black	12	USB/Cig		105 x 60 x 43
53051	Flush Mount Charger Outlet Combo	Black	12/24	Volt Meter/Cig		105 x 60 x 43
53052	Flush Mount Charger Outlet Combo	Black	12/24	Volt Meter/Dual USB		105 x 60 x 43

- UV stabilised PVC housing.
- Supplied with water resistant rubber cap and gasket.
- Relaxn blister packaging for maximum showroom appeal.
- LED power indication.
- Short circuit / overheat protection.

#### USB Charger Features:

- Optimised for iPad, iPhone and iPod - fast charging at full speed (2.1Amps for iPad, 1Amp for iPhone/iPod).
- Compatible with other smartphones.
- Input: 12V. Output: 5V-2.1Amp.
- Short circuit / overheat protection.
- 0.250" quick connect terminals.
- LED power indication.
- Supplied with water resistant and dust proof rubber cap.
- Flame retardant nylon (glass fibre reinforced) enclosure.
- 1 year warranty.

#### Power Outlet Features:

- DC power outlet.
- Flame retardant nylon (glass fibre reinforced) enclosure.
- 0.250" quick connect terminals.
- Rating: 12V at 20A.

NOTE: Mount with 8 gauge stainless steel screws included.

Compatible With iPhone iPad









Compatible With GoPro

relaxn



## Surface Mount - Power Outlets

## Single Socket









Part No.	Description	Colour	Volts (V)	Socket	Model	Dimensions W x H x D (mm)
 53043	Surface Mount Charger Outlet	White	12	USB		80 x 56 x 48
 53035	Surface Mount Charger	Black	12	USB		80 x 56 x 48
 53040	Surface Mount Charger Outlet	Black	12/24	Cig		80 x 56 x 48
 53039	Surface Mount Charger Outlet	White	12/24	Cig		80 x 56 x 48

NEW ENTRY



53040

## Double Socket

 53042	Surface Mount Charger Outlet Combo	Black	12	USB/Cig		110 x 80 x 50
 53041	Surface Mount Charger Outlet Combo	White	12	USB/Cig		110 x 80 x 50
 53038	Surface Mount Charger Outlet Combo	Black	12/24	Cig/Cig		110 x 80 x 50
 53037	Surface Mount Charger Outlet Combo	White	12/24	Cig/Cig		110 x 80 x 50



53039

- UV stabilised PVC housing.
- Supplied with water resistant rubber cap and gasket.
- Relaxn blister packaging for maximum showroom appeal.
- LED power indication.
- Short circuit / overheat protection.

## USB Charger Features:

- Optimised for iPad, iPhone and iPod - fast charging at full speed (2.1Amps for iPad, 1Amp for iPhone/iPod).
- Compatible with other smartphones.
- Input: 12V. Output: 5V-2.1Amp.
- Short circuit / overheat protection.
- 0.250" quick connect terminals.
- LED power indication.
- Supplied with water resistant and dust proof rubber cap.
- Flame retardant nylon (glass fibre reinforced) enclosure.
- 1 year warranty.

## Power Outlet Features:

- DC power outlet.
- Flame retardant nylon (glass fibre reinforced) enclosure.
- 0.250" quick connect terminals.
- Rating: 12V at 20A.

NOTE: Mount with 8 gauge stainless steel screws included.



53042



53041

Compatible With  iPhone   
 iPad

Compatible With  GoPro   
 Be a HERO.





# ProSport Series

## Pro Sport Series On-Board Marine Battery Chargers for Increased Power & Performance...

ProSport Generation 3 On-Board Marine Battery Chargers incorporate an all-digital microprocessor control. Like no other, the ProSport Series provides automatic installation feedback with its exclusive "System Check OK" and individual "Battery Bank Trouble" LED indicators, and also has the most advanced energy saving mode.

After fully charging and conditioning batteries, ProSport's Energy Saver Mode will monitor and Auto Maintain batteries only when needed to maintain a full state of charge, resulting in maximum reserve power performance and lower AC power consumption and operating costs. Each

ProSport model has 2 digitally selectable charge profiles to choose from with a 3rd high performance AGM HP profile on the ProSport20 Dual and includes a once-a-month storage reconditioning mode for extending battery life.

### Choosing a Waterproof Charger

Selecting the right charger has never been easier.

#### Choose your charger in 3 steps:

1. Select the grade of battery charger that best suits your usage...
2. Select the recovery time that best suits your needs...
3. Select the number of batteries you wish to charge & condition

ProMariner's advanced line of waterproof chargers is designed for any combination of group 24-31 batteries. Each charger bank cable is for a dedicated 12V battery, even if it is configured for a 12, 24 or 36 Volt trolling motor or system application.



All Kits Include a 6' power cable and adapter.

## ProSport Battery Chargers

Part No.	Description	DC Voltage System (V)	Amps (A)	Global AC in PFC	No. of Batteries	Weight (kg)	Size L x H x W (mm)	Battery Type
<b>NEW ENTRY</b> 302280	ProSport 6	12	6	100-260V AC 50/60 Hz	1 Bank <b>12V</b>	0.91	181 x 184 x 70	Flooded, Gel, AGM
<b>NEW ENTRY</b> 302281	ProSport 12	12/24	12	100-260V AC 50/60 Hz	2 Bank <b>12V 12V</b>	1.81	251 x 184 x 70	Flooded, Gel, AGM
<b>NEW ENTRY</b> 302282	ProSport 20*	12/24	20	100-260V AC 50/60 Hz	2 Bank <b>12V 12V</b>	2.27	308 x 184 x 70	Flooded, Gel, AGM, HP AGM
<b>NEW ENTRY</b> 302283	ProSport 20 Plus	12/24/36	20	100-260V AC 50/60 Hz	3 Bank <b>12V 12V 12V</b>	2.72	308 x 184 x 70	Flooded, Gel, AGM

\*3rd High Performance HP AGM (Absorbed Glass Mat) profile.

#### Pro Sport Series Kits Include:

- ProSport Series Charger
- AC and DC cables 1.83m (6').
- Power cable 1.83m (6') and adapter.
- User Manual.
- 2 Year Warranty





# ProMariner







## Digital MobileCharge40

### Digital Mobile Charge Advanced Electronic Battery Charging

Digital Mobile Charge40 is a breakthrough in battery to battery, on-the-water charging technology. Simply connect to the engine crank battery and your house electronic battery, allowing for up to 40 amps per hour to be transferred to your house battery bank. Protects your engine battery while charging and conditioning your house battery bank, using its all-digital C3 boost-mode-charging technology.

- In-Transit C3 Software Controlled, Multi-Stage Charging**  
Optimal fast charge, conditioning and maintenance. 4th stage provides on-demand fast charge mode when needed.
- C3 Software - Engine Battery Management**  
Intelligently monitors and manages the health of the engine battery while providing maximum charge to the auxiliary battery or bank.
- C3 Intelligent Self-Calculating Absorption/Conditioning Mode**  
Automatic programming of charge/absorption time based on discharge state of auxiliary battery or bank resulting in a 100% charge while desulfating battery plates and extending battery life.
- On-Board C3 Digital Dash Includes Hi-Vis LEDs**  
Battery type, charge modes, temperature and fault conditions.
- User Programmable Battery Type Selector**  
Select flooded (lead-acid), AGM and GEL batteries.
- Built In Safety**  
Ignition protection, over temperature and over voltage protection. Intelligent alternator and battery over temperature protection. Meets a boat's demand for on-the-water power and charging for 12 or 24 Volt DC systems, allowing for radar, lighting, live wells and other DC systems to operate while managing and charging batteries when running your engine.
- Remote Temperature Probe Included**

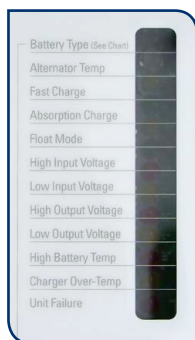
### Digital Mobile Charge40

Part No.	Description	Type	Model (Volts)	DC Inputs (Volts/Amps)	Max DC Output	Weight (kg)	Size L x H x W (mm)	Battery Type	
 302286	Digital Mobile Charge	Battery to Battery	12 - 12	12V/40A	12V/40A	3.62	297 x 247 x 63	Flooded, Gel, AGM	
 302287	Digital Mobile Charge	Battery to Battery	12 - 24	12V/40A	24V/20A	3.62	297 x 247 x 63	Flooded, Gel, AGM	
 302288	Digital Mobile Charge	Battery to Battery	24 - 12	24V/20A	12V-40A	3.62	297 x 247 x 63	Flooded, Gel, AGM	

- In-transit C3 software controlled, multi-stage charging.
- Engine battery management software.
- Intelligent self-calculating absorption/conditioning mode.
- On-board digital dash includes Hi-Vis LEDs.
- User programmable battery type selector.
- Built in safety.
- Remote temperature probe included.
- 2 year warranty.



Hi-Vis LED display the battery modes



**ABYC**  
Setting Standards for Safer Boating

### Terminal Studs - Heavy-Duty



Part No.	Description	Stud Type	Type	Colour	Stud Size	Dimensions L x W x H (mm)	
302220	Heavy-Duty Terminal	Single	-	Black	M6	45 x 43 x 30	
302222	Heavy-Duty Terminal	Single	-	Red	M8	45 x 43 x 31	
302224	Heavy-Duty Terminal	Single	-	Red	M10	45 x 43 x 34	
30220	Heavy-Duty Terminal	Double	Negative	Black	M6	45 x 43 x 30	
30221	Heavy-Duty Terminal	Double	Positive	Black	M8	45 x 43 x 31	

- Provides a neat electrical wiring solution.
- Base made from glass fibre reinforced nylon for strength and durability.



### Buss Bar with Cover



Part No.	Description	Stud Type	Volts (V)	Dimensions L x W x H (mm)
<b>NEW ENTRY</b> 302270	Mini Buss Bar - Black	5 Way 2 Stud	12 - 48	106 x 22 x 37
<b>NEW ENTRY</b> 302271	Mini Buss Bar - Red	5 Way 2 Stud	12 - 48	106 x 22 x 37
<b>NEW ENTRY</b> 302272	Mini Buss Bar - Black	10 Way 2 Stud	12 - 48	152 x 32 x 37
<b>NEW ENTRY</b> 302273	Mini Buss Bar - Red	10 Way 2 Stud	12 - 48	152 x 32 x 37

- Flame retardant ABS base for strength and durability.
- Tin plated copper buss bar.
- 20mm terminal stud size.
- Max current rating of 150 amps.
- Mounting hardware included.



### Buss Bar - Heavy-Duty



Part No.	Description	Stud Type	Volts (V)	Dimensions L x W x H (mm)	
302230	Heavy-Duty Buss Bar	6 Way 2 Stud	12-48	146 x 43 x 32	
302232	Heavy-Duty Buss Bar	12 Way 2 Stud	12-48	206 x 43 x 32	
302234	Heavy-Duty Buss Bar	2 x 6 Way 4 Stud	12-48	118 x 43 x 32	
302236	Heavy-Duty Buss Bar	2 x 12 Way 4 Stud	12-48	178 x 43 x 32	

- Glass fibre reinforced nylon base ensures great mechanical strength and durability.
- Nickel plated brass buss bar.
- 25mm terminal stud size.
- Max current rating of 100 amps.
- Mounting hardware included.









## Buss Bar - Heavy-Duty - Stepped - Cover

Part No.	Description	Stud Type	Volts (V)	Dimensions L x W x H (mm)
 302235	Heavy-Duty Stepped Buss Bar	2 x 6 Way 4 Stud	12-48	94 x 75 x 40

- Glass fibre reinforced nylon base ensures great mechanical strength and durability.
- Nickel plated brass buss bar.
- 25mm terminal stud size.
- Max current rating of 100 amps.
- Mounting hardware included.

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## Buss Bar Box - Modular

Part No.	Description	Stud Type	Stud Size	Volts (V)	Dimensions L x W x H (mm)
 302238	Heavy-Duty Buss Bar Modular Box	2 x 6 Way	M6	12-48	138 x 69 x 44
 30223	Heavy-Duty Buss Bar Box	4 Way	M10	12-48	138 x 69 x 44

- Glass fibre reinforced nylon base and enclosure.
- Removable of windows for unobstructed wiring.
- Nickel plated brass buss material.
- Removable connecting link.
- Rated up to 100 amps continuous.

relaxn<sup>®</sup>

## Fuse Box - ANL - Modular

Part No.	Description	Volts (V)	Dimensions L x W x H (mm)
 302239	Heavy-Duty ANL Modular Fuse Box	12-32	138 x 69 x 44

- Glass fibre reinforced nylon base and enclosure.
- Removable of windows for unobstructed wiring.
- Withstands high currents between 100-300A.
- Open window for clear fuse inspection.
- LED indicator turns on when fuse is blown.
- M10 terminal stud size.
- 150A ANL fuse pre-installed..

relaxn<sup>®</sup>

## Fuse Box - ANL







Part No.	Description	Max Amps (A)
720980	ANL Fuse Box	250

- Ideal for high current applications.
- Clear cover for easy fuse inspection.

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## Fuse Box - Modular



	Part No.	Description	Type	Volts (V)	Dimensions L x W x H (mm)	
	302240	Fuse Box	6 Way Circuit	12-32	78 x 86 x 41	
	302240-BULK	6 Way Circuit Fuse Box - <b>10 Pack</b>				
	302242	Buss Bar	12 Way Negative	12-32	57 x 86 x 41	
	302242-BULK	12 Way Negative Fuse Box - <b>10 Pack</b>				

- Fuse box fits together providing the ability to expand.
- Accepts automotive fuses (ATP/ATC/ATO).
- Modular design saves space.
- 100A positive bus bar with M5 10mm studs.
- 0.250 quick terminals.
- Transparent cover with recessed area for label stickers.
- 60 pieces assorted label stickers set included.
- Storage for 2 spare fuses.
- LED indication for blown fuses.
- 32V maximum rating.
- 30A rating per branch up to 100A total.



Combinations That Can Be Accomplished:



1 x 302240  
1 x 302242



2 x 302240



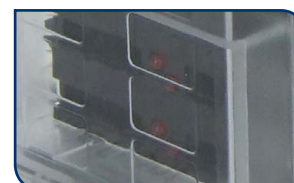
2 x 302240  
1 x 302242



LED indicators show when fuses are blown

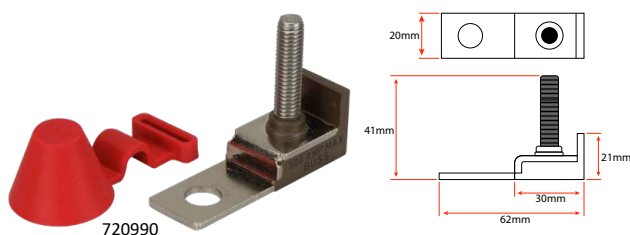


Quick connect fittings



Recessed area on cover for label stickers

## Fuses - Terminal Mount Fuse Holder & Fuses



Part No.	Description	Max Voltage Rating (V)	Amp Range Rating	Terminal Mount Size
----------	-------------	------------------------	------------------	---------------------

- |                         |                            |    |        |      |
|-------------------------|----------------------------|----|--------|------|
| <b>NEW ENTRY</b> 720990 | Terminal Mount Fuse Holder | 58 | 30-300 | 3/8" |
|-------------------------|----------------------------|----|--------|------|
- Heavy-duty protection where space is important.
  - Fits any battery terminal that has a 3/8" post.
  - SAE J1171 compliant.



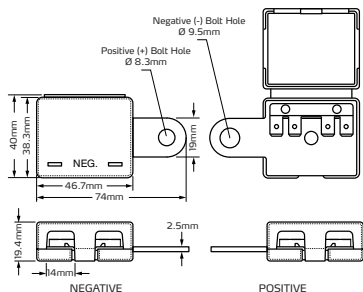
Fuses				
<b>NEW ENTRY</b> 720992	100 Amp Fuse - Yellow			
<b>NEW ENTRY</b> 720993	150 Amp Fuse - Orange			

- Designed for the most demanding environments providing high current protection in the tightest space constraints.
- Suitable for main and auxiliary circuit protection such as alternator outputs, starter motor inputs and accessory circuits.
- Breaking capacities meet the requirements of conventional batteries.
- Full range circuit protection for automotive and marine applications.
- Ignition protected.
- Interrupt rating: 10,000A - 14V.
- Clear housing for easy inspection.
- UL-rated 94VO thermoplastic housing.
- Fuses are colour coded for easy recognition.
- SAE J1171 compliant and ISO 8820-6

## Battery Terminal - Multi Connection

Part No.	Description	Overall Dimensions L x W x H (mm)
<b>23213</b>	Multi Connection Battery Terminal Kit	74 x 40 x 19.4

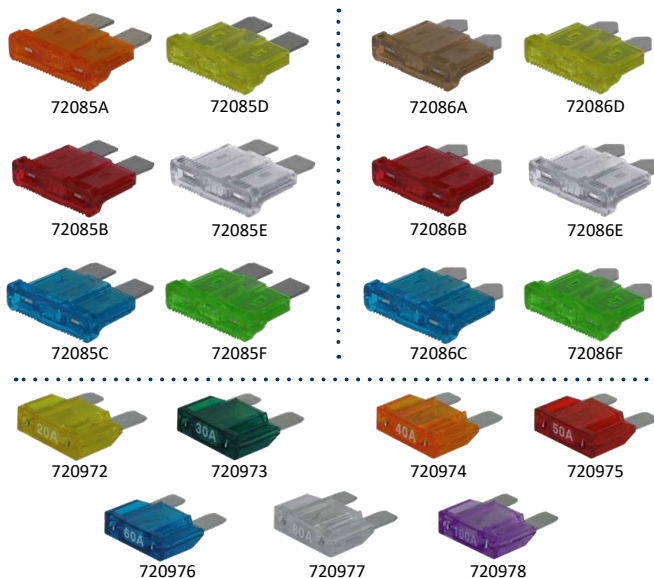
- Ideal for connecting multiple sources to power.
- Compact design.



## Fuses - Blade

Part No.	Description
<b>Standard Fuses</b>	
<b>72085A</b>	5A Fuse - Orange
<b>72085A-BULK</b>	5A Fuse - Orange - <b>10 Pack</b>
<b>72085B</b>	10A Fuse - Red
<b>72085B-BULK</b>	10A Fuse - Red - <b>10 Pack</b>
<b>72085C</b>	15A Fuse - Blue
<b>72085C-BULK</b>	15A Fuse - Blue - <b>10 Pack</b>
<b>72085D</b>	20A Fuse - Yellow
<b>72085D-BULK</b>	20A Fuse - Yellow - <b>10 Pack</b>
<b>72085E</b>	25A Fuse - Clear
<b>72085E-BULK</b>	25A Fuse - Clear - <b>10 Pack</b>
<b>72085F</b>	30A Fuse - Green
<b>72085F-BULK</b>	30A Fuse - Green - <b>10 Pack</b>
<b>Mini Fuses</b>	
<b>72086A</b>	5A Mini Fuse - Tan
<b>72086A-BULK</b>	5A Mini Fuse - Tan - <b>10 Pack</b>
<b>72086B</b>	10A Mini Fuse - Red
<b>72086B-BULK</b>	10A Mini Fuse - Red - <b>10 Pack</b>
<b>72086C</b>	15A Mini Fuse - Blue
<b>72086C-BULK</b>	15A Mini Fuse - Blue - <b>10 Pack</b>
<b>72086D</b>	20A Mini Fuse - Yellow
<b>72086D-BULK</b>	20A Mini Fuse - Yellow - <b>10 Pack</b>
<b>72086E</b>	25A Mini Fuse - Clear
<b>72086E-BULK</b>	25A Mini Fuse - Clear - <b>10 Pack</b>
<b>72086F</b>	30A Mini Fuse - Green
<b>72086F-BULK</b>	30A Mini Fuse - Green - <b>10 Pack</b>
<b>Maxi Fuses</b>	
<b>720972</b>	20A Maxi Fuse - Yellow
<b>720972-BULK</b>	20A Maxi Fuse - Yellow - <b>10 Pack</b>
<b>720973</b>	30A Maxi Fuse - Green
<b>720973-BULK</b>	30A Maxi Fuse - Green - <b>10 Pack</b>

Part No.	Description
<b>720974</b>	40A Maxi Fuse - Orange
<b>720974-BULK</b>	40A Maxi Fuse - Orange - <b>10 Pack</b>
<b>720975</b>	50A Maxi Fuse Blade - Red
<b>720975-BULK</b>	50A Maxi Fuse Blade - Red - <b>10 Pack</b>
<b>720976</b>	60A Maxi Fuse Blade - Blue
<b>720976-BULK</b>	60A Maxi Fuse Blade - Blue - <b>10 Pack</b>
<b>720977</b>	80A Maxi Fuse Blade - Clear
<b>720977-BULK</b>	80A Maxi Fuse Blade - Clear - <b>10 Pack</b>
<b>720978</b>	100A Maxi Fuse - Purple
<b>720978-BULK</b>	100A Maxi Fuse - Purple - <b>10 Pack</b>





## Fuse Holders - Inline



72081



72082



72084



72087

Part No.	Description
72081	Waterproof Blade Fuse Holder
72082	In Line Fuse Holder
72083	Waterproof In Line Fuse Holder
72084	Standard Blade Fuse Holder
72087	Mini Blade Fuse Holder
720970	Fuse Holder Blade Maxi - 60A
720971	Fuse Holder Blade Maxi - 100A



72083



720970 / 720971

## Fuses - ANL



Part No.	Description
720982	Fuse ANL 80 Amp
720983	Fuse ANL 100 Amp
720984	Fuse ANL 125 Amp
720985	Fuse ANL 150 Amp
720986	Fuse ANL 175 Amp
720987	Fuse ANL 200 Amp
720988	Fuse ANL 250 Amp

## Electrical - Circuit Breaker



302256 / 302260 / 302262



302252 / 302254 / 302255

Part No.	Description	Volts (V)	Mount Type	Amps (A)
302252	Circuit Breaker	12/24	Surface	30
302252-BULK	Circuit Breaker 30Amp - 10 Pack			
302254	Circuit Breaker	12/24	Surface	50
302254-BULK	Circuit Breaker 50Amp - 10 Pack			
302255	Circuit Breaker	12/24	Surface	60
302255-BULK	Circuit Breaker 60Amp - 10 Pack			
302256	Circuit Breaker	12/24	Panel	50
302256-BULK	Circuit Breaker 50Amp - 10 Pack			
302260	Circuit Breaker	12/24	Panel	70
302260-BULK	Circuit Breaker 70Amp - 10 Pack			
302262	Circuit Breaker	12/24	Panel	100
302262-BULK	Circuit Breaker 100Amp - 10 Pack			

- Sealed outer casing making it ideal for engine compartments and marine based applications.
- If a fault is detected the unit will cut power immediately.
- Unique reset switch.
- High Amp circuit breaker manual reset.
- Sealed IP67 for engine compartments and marine applications.
- Visible reset mechanism indicates tripped circuit.
- Operation temperature between -32°C and 82°C.



#### Battery Terminals - Lead

Part No.	Description	Pack Qty
23212	Lead Battery Terminals	Pairs
23212-BULK	Lead Battery Terminals - 20 Pack	

NEW ENTRY

- Brass wing nuts to secure wire to terminals.
- Coloured wing nuts.



#### Battery Terminals - Brass

Part No.	Description	Pack Qty
23215	Brass Battery Terminals - Pairs	Pairs
23216	Brass Battery Terminals - 5 Pairs	5 Pairs

- Brass marine battery terminals are precision moulded from powdered brass providing a perfectly round contact area.
- Coloured plastic wing nut terminals for easy recognition.
- Australian made.



## Battery Holders

### Battery Holder - Heavy-Duty



Deep lip to secure battery



Moulded locking teeth

NEW ENTRY

NEW ENTRY

NEW ENTRY

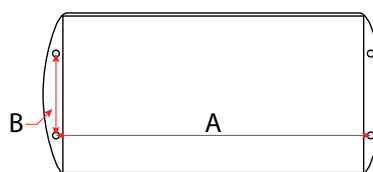
NEW ENTRY

NEW ENTRY

NEW ENTRY

Part No.	Description	Outer Dimensions L x W x H (mm)	Inner Dimensions L x W (mm)	Mount Hole Pattern A x B (mm)
23656	Battery Tray - Small	327 x 190 x 241	265 x 174	293 x 100
23656-BULK	Battery Tray - Small - <b>12 Pack</b>			
23658	Battery Tray - Large	365 x 190 x 285	320 x 174	330 x 100
23658-BULK	Battery Tray - Large - <b>12 Pack</b>			
23659	Battery Tray - X Large	406 x 203 x 285	350 x 190	373 x 100
23659-BULK	Battery Tray - X Large - <b>12 Pack</b>			

- Injection moulded plastic.
- Deep edge around the base to firmly secure the battery.
- Recessed 6mm mount holes.
- Stainless steel rods.
- Moulded locking teeth provide a tight rattle free lock, securing the lid over the battery.



### Battery Holder - Tie Down - Stainless Steel & Polypropylene



23118



23116

NEW ENTRY

Part No.	Description	Inside Dimensions W x H (mm)
23116	Battery Tie-Down - White - Polypropylene	160 x 230
23118	Battery Tie-Down - Stainless Steel	160 x 230
23118-BULK	Stainless Steel Battery Tie Down - <b>10 Pack</b>	

### Battery Holder - Tie Down & Tray



Part No.	Description	Dimensions L x W x H (mm)
23670	Small Heavy-Duty Battery Tray	280 x 175 x 220
23672	Large Heavy-Duty Battery Tray	320 x 180 x 230

- Heavy-duty reinforced plastic trays with stainless steel mounting screws.





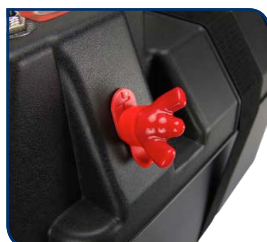
## Battery Box - Large - Pre-Wired

Part No.	Description	Outer Dimensions L x W x H (mm)	Inner Dimensions L x W x H (mm)
23663	Powered Battery Box	410 x 230 x 300	340 x 190 x 225

- Avoid being stranded with a flat battery, at the touch of a button the meter will indicate the batteries charge.
- Convenient for all accessories such as coolers, vacuum cleaners, portable lights etc, plugs directly into the battery box.
- No more replacing fuses or danger of overheating wires.
- The accessory socket is connected to 10 amp circuit breaker that cuts out when overloaded, and reset by pressing a button.
- No tools required when connecting or disconnecting the terminals.
- External brass terminals for charging the battery.
- Impact resistant polypropylene.
- Carry handle to prevent contact with battery.
- Adjustable strap to hold the lid down while being carried, or to secure it to a fixed location.



Battery charge meter



External brass terminals



Cig socket



Adjustable strap

## Battery Boxes

Part No.	Description	Outer Dimensions L x W x H (mm)	Inner Dimensions L x W x H (mm)
23661	Standard Battery Box	335 x 220 x 250	290 x 195 x 195
23661-BULK	Standard Battery Box - 6 Pack		
23662	Large Battery Box	410 x 225 x 280	345 x 195 x 220
23662-BULK	Large Battery Box - 6 Pack		
23665	Extra Large Battery Box	450 x 215 x 225	385 x 180 x 195
23666	Replacement Battery Strap suits Small Battery Box		
23667	Replacement Battery Strap suits Large & Extra Large Battery Box		

- Vented battery box made from hi-density reinforced polyethylene which is impervious to battery acids.
- Moulded carry handle.
- Moulded lid to provide easy cable setup.
- Includes webbing strap and stainless steel fastenings.



## Antenna & Accessories

Part No.	Description	Suits	Aerial Length (ft)
47106	ABS Folding Antenna Bracket	¾" BSP (F)	-
47108	Stainless Steel Folding Antenna Bracket	¾" BSP (F)	-
47085	Stainless Steel 1" Tubing Antenna Bracket	¾" BSP (F)	-
47094	Stainless Steel Rail Bracket	20-25mm Rail	-
47109	Nylon Ratchet Antenna Mount Knob	22-25mm Rail	-



47106



47108



47094



47085



47109

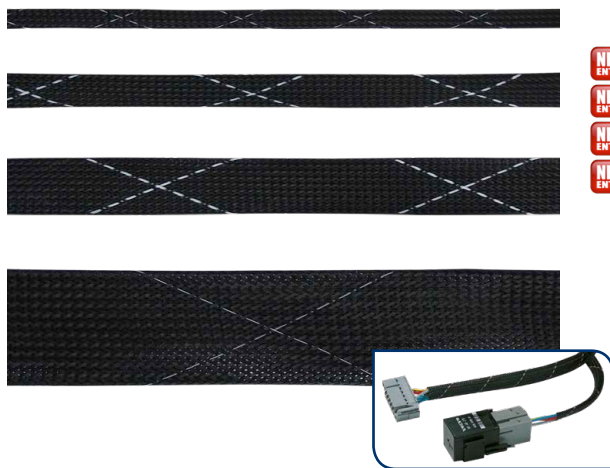
### Split Loom Tubing



Part No.	Description	Dia. Ø (mm)	Length (m)
721150	Loom Tube	7	10
<b>NEW ENTRY</b> 721151	Loom Tube	7	50
<b>NEW ENTRY</b> 721145	Loom Tube	7	100
721152	Loom Tube	10	10
<b>NEW ENTRY</b> 721153	Loom Tube	10	30
<b>NEW ENTRY</b> 721146	Loom Tube	10	100
721154	Loom Tube	13	10
<b>NEW ENTRY</b> 721155	Loom Tube	13	30
<b>NEW ENTRY</b> 721147	Loom Tube	13	150
721156	Loom Tube	16	10
721157	Loom Tube	16	30
<b>NEW ENTRY</b> 721148	Loom Tube	16	100
721158	Loom Tube	20	10
721159	Loom Tube	20	30
721149	Loom Tube	20	100
721160	Loom Tube	25	10
721161	Loom Tube	25	30
721162	Loom Tube	25	50
721163	Loom Tube	36	25
721165	Loom Tube	48	25

- Designed for quick, neat, cost effective wire harnessing or where flexible protection is required for cable connections, such as between cabinets and instruments mounted on hinged cabinet doors.
- Manufactured from black, flame retardant polypropylene, with a maximum operating temperature of 90°C.

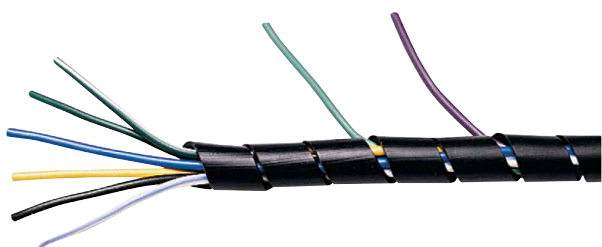
### Braided Sleeves



Part No.	Description	Dia. Ø (mm)	Length (m)
<b>NEW ENTRY</b> 721343	Braided Sleeve	7-19	100
<b>NEW ENTRY</b> 721345	Braided Sleeve	10-27	100
<b>NEW ENTRY</b> 721347	Braided Sleeve	18-35	50
<b>NEW ENTRY</b> 721349	Braided Sleeve	30-55	25

- Made of polyester.
- Self-extinguishing according to UL94 VO for enhanced fire protection.
- Highly flexible.
- High abrasion resistance.
- Halogen free.
- Maximum operating temperature of 150°C.
- Melting point of 225°C.

### Spiral Wraps



Part No.	Description	Dia. Ø (mm)	Length (m)
721140	Spiral Wrap	6	10
721142	Spiral Wrap	9	10
721144	Spiral Wrap	10	10

- Designed for quick, neat, cost effective wire harnessing or where flexible protection is required for cable connections, such as between cabinets and instruments mounted on hinged cabinet doors.
- Manufactured from black, flame retardant polypropylene, with a maximum operating temperature of 90°C.



### Loom Tube Tool

Part No.	Description
721166	Loom Tub Installation Tool

- Simple to use tool for loom tube applications



### Waterproof Cable Outlet

Part No.	Description	Cable Size (mm)	Base ø (mm)	Screw Mount (mm)
47006	Waterproof Cable Outlet	6	34	4
47008	Waterproof Cable Outlet	8	36	4
47012	Waterproof Cable Outlet	12	36	4
47016	Waterproof Cable Outlet	16	50	5
47019	Waterproof Cable Outlet	19	50	5

- Ideal for passing cable through deck or the bulkhead.
- Rubber ring forms a water tight seal.
- Chrome plated brass.



### Nylon Cable Gland

Part No.	Description	Bag Size	Cable Size (mm)	Hole Cutout Size (mm)	Bulkhead Thickness (mm)
721332	Nylon Cable Gland	36	10-14	20	8
721333	Nylon Cable Gland	16	13-18	25	8
721334	Nylon Cable Gland	12	18-25	32	8

- Ideal for passing cable through deck or the bulkhead.
- Rubber ring forms a water tight seal.



### P-Clips - Nylon

Part No.	Description	Bag Size	Suits Wire (mm)	Screw Mount (mm)
72500	Nylon P-Clips	100	3.2	5
72502	Nylon P-Clips	100	4.8	5
72504	Nylon P-Clips	100	6.7	5
72506	Nylon P-Clips	100	9.5	5
72508	Nylon P-Clips	100	12.7	5
72510	Nylon P-Clips	100	15.8	5
72512	Nylon P-Clips	100	19.4	5
72514	Nylon P-Clips	100	25.4	5
72516	Nylon P-Clips	100	31.8	5





## Electrical Tap & Clips

### P-Clips - Stainless Steel



Part No.	Description	Pack Qty	Suits (mm)	Screw Mount (mm)
72520	Stainless Steel P-Cip	Single	10	7
72521	Stainless Steel P-Cip	Single	13	7
72522	Stainless Steel P-Cip	Single	16	7
72523	Stainless Steel P-Cip	Single	19	7
72524	Stainless Steel P-Cip	Single	25	7
72526	Stainless Steel P-Cip	Single	32	7
72527	Stainless Steel P-Cip	Single	38	7

- 316G stainless steel, covered.

### Tube Clips - Stainless Steel



Part No.	Description	Bag Size	Type	Suits (mm)	Screw Mount (mm)
72518	Stainless Steel Tube Clip	10	Horizontal	25	6
72519	Stainless Steel Tube Clip	10	Vertical	25	6

- 304G stainless steel.

### Tape - Electrical



Part No.	Description	Colour	Dimensions L x W	Pack Qty
721130	Electrical Tape	Black	20m x 18mm	10
721132	Electrical Tape	Red	20m x 18mm	10
721134	Electrical Tape	Assorted	20m x 18mm	10

### Tape - Self Amalgamating



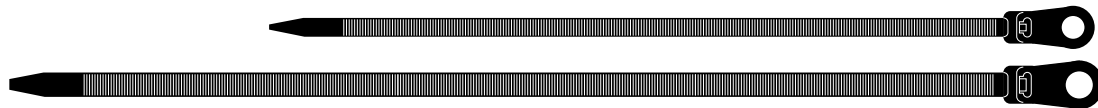
Part No.	Description	Dimensions L x W
721136	Self Amalgamating Tape	9m x 18mm

- Suitable for Marine & High Voltage.
- Water/Ozone/Oil resistant.









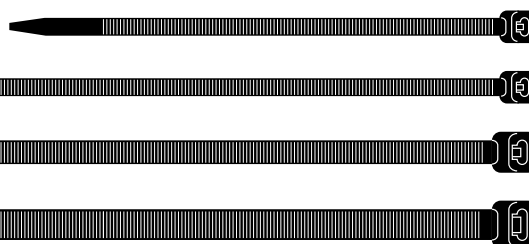
## Cable Ties - Screw Mount

Part No.	Description	Colour	Dimensions L x W (mm)	Mount Hole (mm)	Pack Qty
72098	Cable Ties Screw Mount	Black	155 x 3.7	5	100
72099	Cable Ties Screw Mount	Black	204 x 4.2	5	100



## Cable Ties

Part No.	Description	Colour	Dimensions L x W (mm)	Pack Qty
 72090	Cable Ties	Black	100 x 2.5	100
 72091	Cable Ties	Black	150 x 3.6	100
 72092	Cable Ties	Black	203 x 4.6	100
 72093	Cable Ties	Black	300 x 4.8	100
 72094	Cable Ties	Black	368 x 4.8	100
 72095	Cable Ties	Black	380 x 7.6	100



## Cable Ties - Adhesive Mount Base

Part No.	Description	Colour	Suits Up To (mm)	Pack Qty
72088	Cable Ties Adhesive Mount Base	Black	4.7	20
72088-BULK	Cable Ties Adhesive Mount Base 4.7mm - 100 Pack			
72089	Cable Ties Adhesive Mount Base	Black	5.0	20
72089-BULK	Cable Ties Adhesive Mount Base 5mm - 100 Pack			

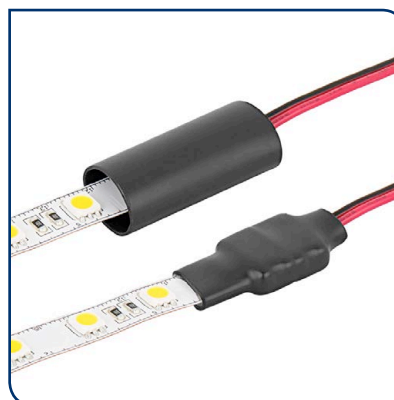
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## Heat Shrink



Part No.	Description	Colour	Diameter (mm)	Length (m)
720950	Heat Shrink	Red	3	10
720951	Heat Shrink	Black	3	10
720952	Heat Shrink	Red	5	10
720953	Heat Shrink	Black	5	10
720954	Heat Shrink	Red	6	10
720955	Heat Shrink	Black	6	10
720956	Heat Shrink	Red	10	10
720957	Heat Shrink	Black	10	10
720958	Heat Shrink	Red	13	10
720959	Heat Shrink	Black	13	10
720960	Heat Shrink	Red	16	8
720961	Heat Shrink	Black	16	8
720962	Heat Shrink	Red	19	8
720963	Heat Shrink	Black	19	8
720964	Heat Shrink	Red	25	5
720965	Heat Shrink	Black	25	5

- Ideal for electrical installations.
- 2:1 shrink ratio.



## Heat Shrink - Glue Lining



Part No.	Description	Qty Per Bag	Dia (mm)	Length (mm)
721370	Heat Shrink Glue Lining	10	6.4	300
721372	Heat Shrink Glue Lining	10	9.5	300
721374	Heat Shrink Glue Lining	10	12.7	300
721376	Heat Shrink Glue Lining	10	15	300

- Ideal for electrical installations.
- 2:1 shrink ratio.







## Battery Lugs

Part No.	Description	B&S Size (mm)	Suits Stud (mm)	Pack Qty
721188	Tube Battery Lug	8	6	10
721189	Tube Battery Lug	8	8	10
721190	Tube Battery Lug	8	10	10
721194	Tube Battery Lug	6	6	10
721195	Tube Battery Lug	6	8	10
721196	Tube Battery Lug	6	10	10
721200	Tube Battery Lug	3	6	10
721201	Tube Battery Lug	3	8	10
721202	Tube Battery Lug	3	10	10

Part No.	Description	B&S Size (mm)	Suits Stud (mm)	Pack Qty
721206	Tube Battery Lug	2	6	10
721207	Tube Battery Lug	2	8	10
721208	Tube Battery Lug	2	10	10

- Highly conductive electro-tin plated copper.



## Battery Link Crimps

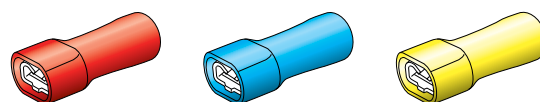
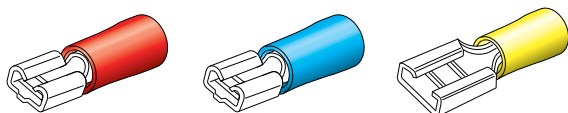
Part No.	Description	Cable Size (mm)	Pack Qty
721210	Battery Link Crimp	6.6 - 10.5	50
721212	Battery Link Crimp	10.5 - 16.7	50
721214	Battery Link Crimp	16.7 - 27	20



## Terminals - Female

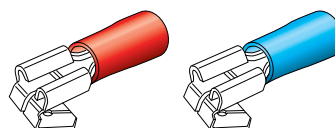
Part No.	Description	Size (mm)	Cable Size (mm)	Pack Qty
721000	Female Push On Terminals	6	2.5-3	10
721001	Female Push On Terminals	6	2.5-3	100
721002	Female Push On Terminals	6	4	10
721003	Female Push On Terminals	6	4	100
721004	Female Push On Terminals	6	5-6	10
721005	Female Push On Terminals	6	5-6	50

Part No.	Description	Size (mm)	Cable Size (mm)	Pack Qty
721006	Female Push On Terminals	9.5	5-6	10
721007	Female Push On Terminals	9.5	5-6	100
721009	Fully Insulated Female Terminals	6	2.5-3	100
721010	Fully Insulated Female Terminals	6	4	10
721011	Fully Insulated Female Terminals	6	4	100
721017	Fully Insulated Female Terminals	9.5	5-6	50



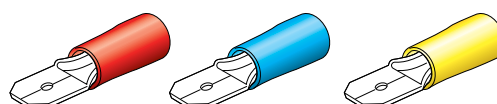
## Terminals - Male &amp; Female

Part No.	Description	Size (mm)	Cable Size (mm)	Pack Qty
721018	Male/Female Terminals	6	2.5-3	10
721019	Male/Female Terminals	6	2.5-3	100
721020	Male/Female Terminals	6	4	10
721021	Male/Female Terminals	6	4	100

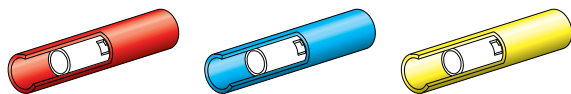








## Terminals - Male

Part No.	Description	Size (mm)	Cable Size (mm)	Pack Qty
721024	Male Terminals	6	2.5-3	10
721025	Male Terminals	6	2.5-3	100
721026	Male Terminals	6	4	10
721027	Male Terminals	6	4	100
721029	Male Terminals	6	5-6	50

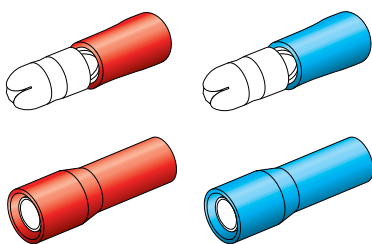










## Terminals - Butt Splice



Part No.	Description	Size (mm)	Cable Size (mm)	Pack Qty	
721048	Crimp Cable Connectors	3	2.5-3	10	
721049	Crimp Cable Connectors	3	2.5-3	100	
721050	Crimp Cable Connectors	4	4	10	
721051	Crimp Cable Connectors	4	4	100	
721052	Crimp Cable Connectors	3	5-6	10	
721053	Crimp Cable Connectors	3	5-6	50	

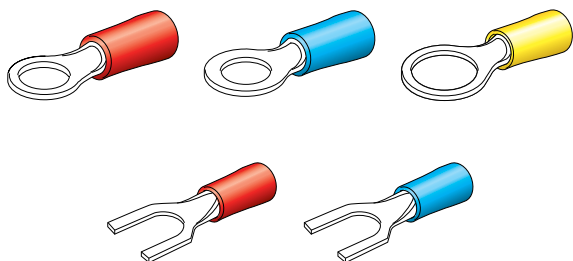
## Terminals - Bullet Connectors



Part No.	Description	Size (mm)	Cable Size (mm)	Pack Qty	
721038	Male Bullet Connectors	4	2.5-3	10	
721039	Male Bullet Connectors	4	2.5-3	100	
721040	Male Bullet Connectors	4	4	10	
721041	Male Bullet Connectors	4	4	100	
721042	Female Bullet Connectors	4	2.5-3	10	
721043	Female Bullet Connectors	4	2.5-3	100	
721044	Female Bullet Connectors	4	4	10	
721045	Female Bullet Connectors	4	4	100	

## Terminals - Eye &amp; Fork




Part No.	Description	Size (mm)	Cable Size (mm)	Pack Qty
721056	Eye Terminals	4	2.5-3	10
721057	Eye Terminals	4	2.5-3	100
721058	Eye Terminals	4	2.5-3	10
721059	Eye Terminals	4	2.5-3	100
721060	Eye Terminals	5	2.5-3	10
721061	Eye Terminals	5	2.5-3	100
721062	Eye Terminals	5	4	10
721063	Eye Terminals	5	4	100
721064	Eye Terminals	5	5-6	10
721065	Eye Terminals	5	5-6	100
721066	Eye Terminals	6	2.5-3	10
721067	Eye Terminals	6	2.5-3	100



Part No.	Description	Size (mm)	Cable Size (mm)	Pack Qty	
721068	Eye Terminals	6	4	10	
721069	Eye Terminals	6	4	100	
721070	Eye Terminals	6	5-6	10	
721071	Eye Terminals	6	5-6	50	
721072	Eye Terminals	8	4	10	
721073	Eye Terminals	8	4	100	
721074	Eye Terminals	8	5-6	10	
721075	Eye Terminals	8	5-6	50	
721076	Eye Terminals	9.5	5-6	10	
721077	Eye Terminals	9.5	5-6	50	
721103	Fork Terminals	4	2.5-3	100	
721104	Fork Terminals	4	4	10	
721105	Fork Terminals	4	4	100	
721106	Fork Terminals	5	2.5-3	10	
721107	Fork Terminals	5	2.5-3	100	
721108	Fork Terminals	5	4	10	
721109	Fork Terminals	5	4	100	

## Terminals - Female Blade - Adhesive Heat Shrink



Part No.	Description	Size (mm)	Cable Size (mm)	Pack Qty	
721012	Female Blade	6	2.5-3	25	
721014	Female Blade	6	4	25	
721016	Female Blade	6	5-6	25	









## Terminals - Male Blade - Adhesive Heat Shrink

Part No.	Description	Size (mm)	Cable Size (mm)	Pack Qty
 <b>721030</b>	Male Terminals	6	2.5-3	25
 <b>721032</b>	Male Terminals	6	4	25
 <b>721034</b>	Male Terminals	6	5-6	25


















## Terminals - Butt Splice - Adhesive Heat Shrink

Part No.	Description	Cable Size (mm)	Pack Qty
 <b>721120</b>	Butt Splice	2.5-3	25
 <b>721121</b>	Butt Splice	2.5-3	100
 <b>721122</b>	Butt Splice	4	25
 <b>721123</b>	Butt Splice	4	100
 <b>721124</b>	Butt Splice	5-6	25
 <b>721125</b>	Butt Splice	5-6	100



## Terminals - Eye & Fork - Adhesive Heat Shrink

Part No.	Description	Size (mm)	Cable Size (mm)	Pack Qty
 <b>721078</b>	Eye Terminals	4	2.5-3	25
 <b>721080</b>	Eye Terminals	4	4	25
 <b>721082</b>	Eye Terminals	5	2.5-3	25
 <b>721084</b>	Eye Terminals	5	4	25
 <b>721086</b>	Eye Terminals	5	5-6	25
 <b>721088</b>	Eye Terminals	6	2.5-3	25
 <b>721090</b>	Eye Terminals	6	4	25
 <b>721092</b>	Eye Terminals	6	5-6	25
 <b>721094</b>	Eye Terminals	8	4	25
 <b>721096</b>	Eye Terminals	8	5-6	25
 <b>721098</b>	Eye Terminals	10	5-6	25
 <b>721110</b>	Fork Terminals	4	2.5-3	25
 <b>721112</b>	Fork Terminals	4	4	25
 <b>721114</b>	Fork Terminals	5	2.5-3	25
 <b>721116</b>	Fork Terminals	5	4	25



## Wire Crimpers & Strippers

Part No.	Description	Cable Size (mm)
<b>721320</b>	Wire Crimper & Stripper	0.5 - 6
<b>721322</b>	Wire Stripper/Cutter - Self Adjusting	0.5 - 6
<b>721324</b>	Wire Crimper Ratchet	0.5 - 6

- Suits 0.5 to 6mm wire



721320



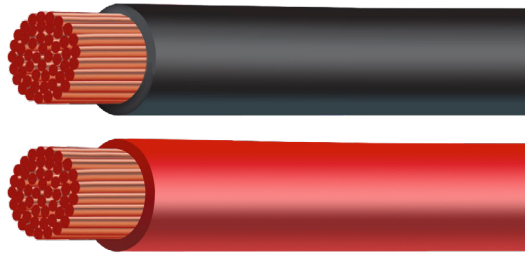
721322



721324



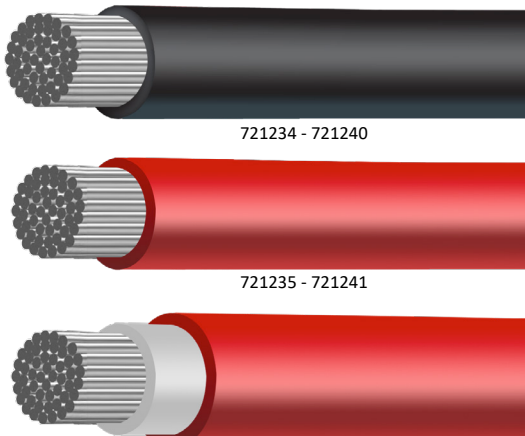
### Battery Wire



Part No.	B&S Size	Length (m)	Nominal Area (mm²)	Amp Rating at 30°C	Insulation Thickness (mm)	Nominal O.D. (mm)
721220	8	30	7.71	74	0.9	5.5
721221	8	30	7.71	74	0.9	5.5
721222	6	30	13.5	103	1.1	7.2
721223	6	30	13.5	103	1.1	7.2
721226	3	30	26.45	168	1.6	10.2
721227	3	30	26.45	168	1.6	10.2
721228	2	30	32.07	188	1.7	11.3
721229	2	30	32.07	188	1.7	11.3
721230	0	30	64.15	292	1.7	14.5
721231	0	30	64.15	292	1.7	14.5

- Oxygen free plain copper wire.
- Insulated with RoHS compliant V90 PVC.

### Battery Wire - Tinned



721234 - 721240

721235 - 721241

721244/721245 Double insulated

Part No.	B&S Size	Length (m)	Nominal Area (mm²)	Amp Rating at 30°C	Insulation Thickness (mm)	Nominal O.D. (mm)
721234	8	30	8	74	0.9	5.75
721235	8	30	8	74	0.9	5.75
721236	6	100	13.5	103	1.7	7.2
721237	6	100	13.5	103	1.7	7.2
721238	3	50	7.2	168	1.1	10.2
721239	3	50	7.2	168	1.1	10.0
721240	2	30	32	188	1.7	11.3
721241	2	30	32	188	1.7	11.3
721244	0	30	50	246	3.4	13.2
721245	0	30	50	246	3.4	13.2

- Insulated with RoHS compliant V90 PVC.

### Wire - Single Core - Tinned



Part No.	Wire Size (mm)	Length (m)	Nominal Area (mm²)	Amp Rating at 30°C	Insulation Thickness (mm)	Nominal O.D. (mm)
721246	3	50	1.13	20	0.6	2.2
721247	3	50	1.13	20	0.6	2.2
721260	4	10	1.84	28	0.4	2.6
721261	4	10	1.84	28	0.4	2.6
721250	4	50	1.84	28	0.4	2.6
721251	4	50	1.84	28	0.4	2.6
721252	4	100	1.84	28	0.4	2.6
721253	4	100	1.84	28	0.4	2.6
721262	6	10	4.59	48	0.6	4.0
721263	6	10	4.59	48	0.6	4.0
721254	6	50	4.59	48	0.6	4.0
721255	6	50	4.59	48	0.6	4.0
721256	6	100	4.59	48	0.6	4.0
721257	6	100	4.59	48	0.6	4.0

- Insulated with RoHS compliant V90 PVC.

### Wire - Figure 8



Part No.	Wire Size (mm)	Length (m)	Nominal Area (mm²)	Amp Rating at 30°C	Insulation Thickness (mm)	Nominal O.D. (mm)
721268	3	30	1.13	16	0.6	2.6 x 5.9
721270	4	30	1.84	22	0.6	3.1 x 6.7

- Insulated with RoHS compliant V90 PVC.

## Wire - Figure 8 - Tinned

Part No.	Wire Size (mm)	Length (m)	Nominal Area (mm²)	Amp Rating at 30°C	Insulation Thickness (mm)	Nominal O.D. (mm)
721274	3	50	1.13	16	0.6	2.6 x 5.9
721275	3	100	1.13	16	0.6	2.6 x 5.9
721276	4	50	1.84	22	0.6	3.1 x 6.7
721277	4	100	1.84	22	0.6	3.1 x 6.7



- Insulated with RoHS compliant V90 PVC.
- Black line down 1 side for negative recognition.

## Wire - Two Core - Twin Sheath

Part No.	Wire Size (mm)	Length (Mtr)	Nominal Area (mm²)	Amp Rating at 30°C	Insulation Thickness (mm)	Nominal O.D. (mm)
721280	2	100	0.56	10	0.4	3.1 x 4.9
721282	3	100	1.13	16	0.4	2.6 x 5.9
721284	4	100	1.84	22	0.4	3.1 x 6.7
721286	5	100	2.9	29	0.6	4.5 x 7.4
721288	6	100	4.59	38	0.6	5.7 x 9.6



- Insulated with RoHS compliant V90 PVC.
- Red line down 1 side for negative recognition.

## Wire - Two Core - Twin Sheath - Tinned

Part No.	Wire Size (mm)	Length (m)	Nominal Area (mm²)	Amp Rating at 30°C	Insulation Thickness (mm)	Nominal O.D. (mm)
721290	2	50	0.56	10	0.4	3.1 x 4.9
721291	2	100	0.56	10	0.4	3.1 x 4.9
721302	3	10	1.13	16	0.4	2.6 x 5.9
721292	3	50	1.13	16	0.4	3.3 x 5.5
721293	3	100	1.13	16	0.4	3.3 x 5.5
721303	4	10	1.84	22	0.4	3.1 x 6.7
721294	4	50	1.84	22	0.4	3.8 x 6.3
721295	4	100	1.84	22	0.4	3.8 x 6.3
721304	6	10	4.59	38	0.6	5.7 x 9.6
721296	6	50	4.5	38	0.6	5.7 x 9.6
721297	6	100	4.5	38	0.6	5.7 x 9.6



- Insulated with RoHS compliant V90 PVC.
- Black and red wires covered by a white sheath.

## Wire - 3, 5 & 7 Core

Three Core Twin Sheath Tinned Wire							
Part No.	Wire Size (mm)	Cores	Length (m)	Nominal Area (mm²)	Amp Rating at 30°C	Insulation Thickness (mm)	Nominal O.D. (mm)
721308	4	3	50	1.84	19	0.4	7.2
721309	4	3	50	1.84	19	0.4	7.2
Trailer Wire							
721310	2.5	5	30	0.64	8	0.4	6.7
721311	2.5	7	30	0.64	6	0.4	7.3
721312	4	5	30	1.84	15	0.4	8.2
721313	4	7	30	1.84	14	0.4	8.9



721308/721309



721310/721312



721311/721313

- Insulated with RoHS compliant V90 PVC.
- 721308/721309: Tinned wire.



# Choose antennas that go the distance.







## The Call Between Life & Death!

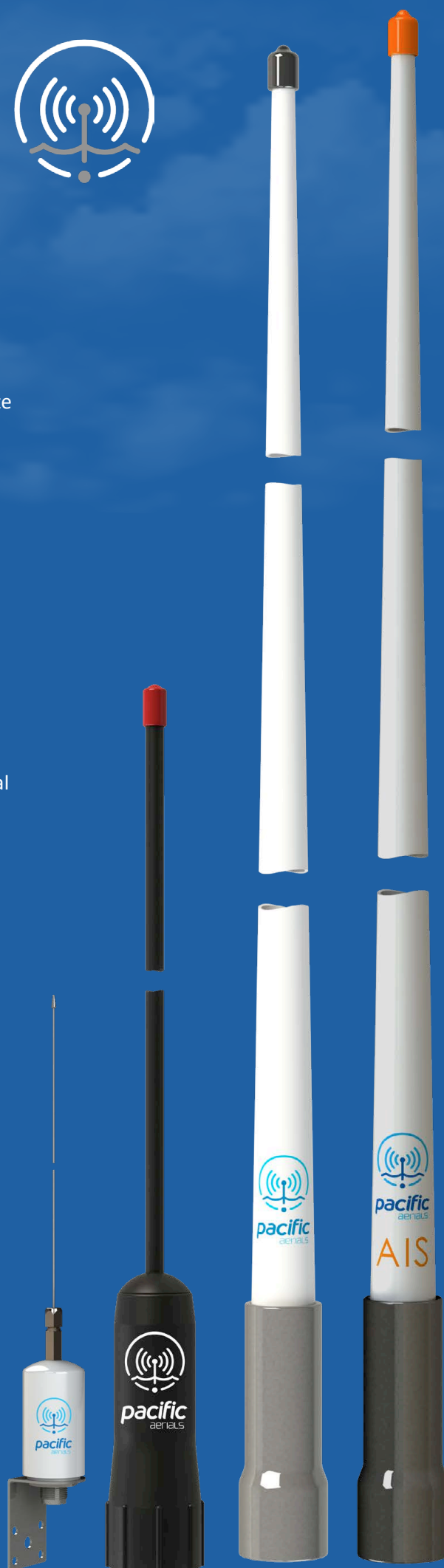
It goes without saying when you're out at sea one of the most critical tools to have onboard your vessel is a VHF or HF system; to receive navigational warnings, weather updates, interact with other boats, or worst case, coordinate with marine rescue groups in a life or death situation. When it comes to saving the lives of your crew, your communications equipment is your lifeline and should not be compromised.

Pacific Aerials are world leaders in antennas using the highest quality materials, tried and proven to stand up to the roughest seas. Pacific Aerials deliver one of the best performing antennae while still maintaining stylish looks. These antennas offer up to 6 dBi gain and have proven to outperform all others in its class. They are constructed in ultraglass with stainless steel ferrules and available in both halfwave and colinear design, these antennas are built to last. Pacific Aerials, for customers who demand the best. Stock will be available from early August; a pre-order special will be distributed shortly.

Leave nothing to chance when you choose exceptional, world-leading antennas from Pacific Aerials. No matter which model you choose, you're getting the best performance backed by rugged reliability and service. Providing you with the peace of mind that you have the right equipment keeping you in range, no matter the circumstances.


Pacific Aerials have been designing, engineering, manufacturing and individually tuning and testing to be world leading antennas for marine, land and data since 1977. Pacific Aerials achieve the highest quality control processes by manufacturing all their antennas entirely at their Auckland headquarters in New Zealand. When you choose Pacific Aerials, you're choosing excellence.

With Pacific Aerials, it's the innovative technology that's on the inside that sets them apart from the rest. All their knowledge and experience is wrapped up in every one of their antennas to ensure you have reliable communications that go the distance.



## SeaMaster Antenna - VHF - Mast Mount Series





Antennas					
Part No.	Description	Gain (dBi)	Frequency (MHz)	Antenna Length (m)	
<b>NEW ENTRY</b> 530800	SeaMaster Mast Mount Series Antenna	3	156-162	1	

The SeaMaster Mast Mount antennas are robust and the number one choice for an installation where the lowest possible windage is a requirement. Design with 3dBi gain and can be installed with the cable pack making installation a breeze.

- Antenna is ideal for installations that require the lowest possible windage.
- Halfwave antenna.
- Stainless steel antenna whip.
- ABS ferrule.
- Stainless steel bracket.
- **ISO9001 Certified.**

## SeaMaster Antenna - VHF - Classic Series



Part No.	Description	Colour	Gain (dBi)	Frequency (MHz)	Antenna Length (m)	
<b>NEW ENTRY</b> 530804	SeaMaster Classic Series - VHF	White	3	156-162	1	
<b>NEW ENTRY</b> 530805	SeaMaster Classic Series - VHF	Black	3	156-162	1	

The SeaMaster Classic range antennas are hard-wired with cable for boaties who don't need to remove their antenna. Design with 3dBi gain, these antennas are rugged and durable and offer outstanding performance.

- Hard wired with cable for boaties who don't need to remove their antenna.
- Halfwave antenna.
- White powder coated stainless steel antenna whip.
- Glass-filled nylon base.
- Push button folding base.
- Includes a 5m cable and FastFit plugs.
- **ISO9001 Certified.**





## SeaMaster Antenna - VHF - Pro Series

Antennas					
Part No.	Description	Colour	Gain (dBi)	Frequency (MHz)	Antenna Length (m)
530808	SeaMaster Pro Series Antenna	White	3	156-162	0.45
530809	SeaMaster Pro Series Antenna	Black	3	156-162	0.45
530810	SeaMaster Pro Series Antenna	White	3	156-162	1
530811	SeaMaster Pro Series Antenna	Black	3	156-162	1
530812	SeaMaster Pro Series Antenna	White	3	156-162	1.8
530813	SeaMaster Pro Series Antenna	Black	3	156-162	1.8
530814	SeaMaster Pro Series Antenna	White	3	156-162	2.4
530815	SeaMaster Pro Series Antenna	Black	3	156-162	2.4

The SeaMaster Pro Series antennas are for boaties who may want to remove the antenna from its base. Design with 3dBi gain offering superior range these antennas made from Ultraglass and glass-filled nylon. They are rugged and durable, offering outstanding performance.

- 'No cable' antennas for boaties that may want to remove the antenna from its base.
- Ultraglass and glass-filled nylon antennas.
- Rugged and durable.
- Halfwave antenna.
- ISO9001 Certified.

Antenna Mounts - SeaMaster					
Part No.	Description	Colour	Base Dimensions (mm)	Mount Hole (mm)	Cable Length (m)
530850	Fold Down Mount	White	81 x 63 x 106	7	5
530851	Fold Down Mount	Black	81 x 63 x 106	7	5
530852	1" Rail Mount	White	Ø 61	Ø 25	5
530853	Thru-Deck Mount	White	Ø 35 x 100	Ø 16	5
530849	Thru-Deck Mount	Black	Ø 35 x 100	Ø 16	5



## LongReach Antenna - VHF - Pro Series

Antennas					
Part No.	Description	Colour	Gain (dBi)	Frequency (MHz)	Antenna Length (m)
530818	LongReach Pro Series Antenna	White	3	156-162	1.8
530819	LongReach Pro Series Antenna	Black	3	156-162	1.8
530820	LongReach Pro Series Antenna	White	3	156-162	2.4
530821	LongReach Pro Series Antenna	Black	3	156-162	2.4

The LongReach Pro Series will not disappoint. Design with 3dBi gain offering superior range and made in Ultraglass with stainless steel ferrules. These antennas are rugged and durable and will go the distance.

- 'No cable' antennas for boaties that may want to remove the antenna from its base.
- Ultraglass and glass-filled nylon antennas.
- Rugged and durable.
- Stainless steel mounting thread.
- Halfwave antenna.
- ISO9001 Certified.

Antenna Mounts - LongReach					
Part No.	Description	Colour	Base Dimensions (mm)	Mount Hole (mm)	Cable Length (m)
530858	Heavy-Duty Nylon Fold Down Mount	White	93 x 66 x 132	8	5
530859	Heavy-Duty Nylon Fold Down Mount	Black	93 x 66 x 132	8	5
530860	Stainless Steel Fold Down Mount	Stainless Steel	93 x 66 x 155	8	5
530861	Stainless Steel Deck Mount	Stainless Steel	Ø 64 x 100	6	5





## SeaMaster Antenna - 27Mhz - Pro Series



530914/530916



530850



530851



530852



530853



530849

Antennas						
Part No.	Description	Colour	Gain (dBi)	Frequency (MHz)	Antenna Length (m)	
<b>NEW ENTRY</b> 530914	SeaMaster Pro Series Antenna	White	3	27	1.8	
<b>NEW ENTRY</b> 530915	SeaMaster Pro Series Antenna	Black	3	27	1.8	
<b>NEW ENTRY</b> 530916	SeaMaster Pro Series Antenna	White	3	27	2.4	
<b>NEW ENTRY</b> 530917	SeaMaster Pro Series Antenna	Black	3	27	2.4	

The SeaMaster Pro Series antennas are for boaties who may want to remove the antenna from its base. Design with 3dBi gain offering superior range these antennas made from Ultraglass and glass-filled nylon. They are rugged and durable, offering outstanding performance.

- 'No cable' antennas for boaties that may want to remove the antenna from its base.
- Ultraglass and glass-filled nylon antennas.
- Rugged and durable.
- Halfwave antenna.
- ISO9001 Certified.

Antenna Mounts - SeaMaster						
Part No.	Description	Colour	Base Dimensions (mm)	Mount Hole (mm)	Cable Length (m)	
<b>NEW ENTRY</b> 530850	Fold Down Mount	White	81 x 63 x 106	7	5	
<b>NEW ENTRY</b> 530851	Fold Down Mount	Black	81 x 63 x 106	7	5	
<b>NEW ENTRY</b> 530852	1" Rail Mount	White	Ø 61	Ø 25	5	
<b>NEW ENTRY</b> 530853	Thru-Deck Mount	White	Ø 35 x 100	Ø 16	5	
<b>NEW ENTRY</b> 530849	Thru-Deck Mount	Black	Ø 35 x 100	Ø 16	5	

## LongReach Antenna - 27Mhz - Pro Series



530920



530858



530859



530860



530861

Antennas						
Part No.	Description	Colour	Gain (dBi)	Frequency (MHz)	Antenna Length (m)	
<b>NEW ENTRY</b> 530920	LongReach Pro Series Antenna	White	3	27	1.8	
<b>NEW ENTRY</b> 530921	LongReach Pro Series Antenna	Black	3	27	1.8	
<b>NEW ENTRY</b> 530922	LongReach Pro Series Antenna	White	3	27	2.4	
<b>NEW ENTRY</b> 530923	LongReach Pro Series Antenna	Black	3	27	2.4	

The LongReach Pro Series will not disappoint. Design with 3dBi gain offering superior range and made in Ultraglass with stainless steel ferrules. These antennas are rugged and durable and will go the distance.

- 'No cable' antennas for boaties that may want to remove the antenna from its base.
- Ultraglass and glass-filled nylon antennas.
- Rugged and durable.
- Stainless steel mounting thread.
- Halfwave antenna.
- ISO9001 Certified.

Antenna Mounts - LongReach						
Part No.	Description	Colour	Base Dimensions (mm)	Mount Hole (mm)	Cable Length (m)	
<b>NEW ENTRY</b> 530858	Heavy-Duty Nylon Fold Down Mount	White	93 x 66 x 132	8	5	
<b>NEW ENTRY</b> 530859	Heavy-Duty Nylon Fold Down Mount	Black	93 x 66 x 132	8	5	
<b>NEW ENTRY</b> 530860	Stainless Steel Fold Down Mount	Stainless Steel	93 x 66 x 155	8	5	
<b>NEW ENTRY</b> 530861	Stainless Steel Deck Mount	Stainless Steel	Ø 64 x 100	6	5	



## SeaMaster Antenna - UHF - Pro Series

Antennas					
Part No.	Description	Colour	Gain (dBi)	Frequency (MHz)	Antenna Length (m)
530900	SeaMaster Pro Series Antenna	White	3	477	1.8
530901	SeaMaster Pro Series Antenna	Black	3	477	1.8
530902	SeaMaster Pro Series Antenna	White	3	477	2.4
530903	SeaMaster Pro Series Antenna	Black	3	477	2.4

The SeaMaster Pro Series antennas are for boaties who may want to remove the antenna from its base. Design with 3dBi gain offering superior range these antennas made from Ultraglass and glass-filled nylon. They are rugged and durable, offering outstanding performance.

- 'No cable' antennas for boaties that may want to remove the antenna from its base.
- Ultraglass and glass-filled nylon antennas.
- Rugged and durable.
- Halfwave antenna.
- ISO9001 Certified.

Antenna Mounts - SeaMaster					
Part No.	Description	Colour	Base Dimensions (mm)	Mount Hole (mm)	Cable Length (m)
530850	Fold Down Mount	White	81 x 63 x 106	7	5
530851	Fold Down Mount	Black	81 x 63 x 106	7	5
530852	1" Rail Mount	White	Ø 61	Ø 25	5
530853	Thru-Deck Mount	White	Ø 35 x 100	Ø 16	5
530849	Thru-Deck Mount	Black	Ø 35 x 100	Ø 16	5



## LongReach Antenna - UHF - Pro Series

Antennas					
Part No.	Description	Colour	Gain (dBi)	Frequency (MHz)	Antenna Length (m)
530906	LongReach Pro Series Antenna	White	3	477	1.8
530907	LongReach Pro Series Antenna	Black	3	477	1.8
530908	LongReach Pro Series Antenna	White	3	477	2.4
530909	LongReach Pro Series Antenna	Black	3	477	2.4

The LongReach Pro Series will not disappoint. Design with 3dBi gain offering superior range and made in Ultraglass with stainless steel ferrules. These antennas are rugged and durable and will go the distance.

- 'No cable' antennas for boaties that may want to remove the antenna from its base.
- Ultraglass and glass-filled nylon antennas.
- Rugged and durable.
- Stainless steel mounting thread.
- Halfwave antenna.
- ISO9001 Certified.

Antenna Mounts - LongReach					
Part No.	Description	Colour	Base Dimensions (mm)	Mount Hole (mm)	Cable Length (m)
530858	Heavy-Duty Nylon Fold Down Mount	White	93 x 66 x 132	8	5
530859	Heavy-Duty Nylon Fold Down Mount	Black	93 x 66 x 132	8	5
530860	Stainless Steel Fold Down Mount	Stainless Steel	93 x 66 x 155	8	5
530861	Stainless Steel Deck Mount	Stainless Steel	Ø 64 x 100	6	5



## SeaMaster Antenna - AM/FM - Classic Series



	Part No.	Description	Colour	Frequency (VHF)	Antenna Length (m)	
<b>NEW ENTRY</b>	530824	SeaMaster Classic Series - AM/FM	White	AM/FM	1	
<b>NEW ENTRY</b>	530825	SeaMaster Classic Series - AM/FM	Black	AM/FM	1	

The SeaMaster Classic Series AM/FM antenna are robust and reliable providing outstanding reception for years to come. AM/FM antennas provide great reception at sea.

- Hard wired with cable for boaties who don't need to remove their antenna.
- Halfwave antenna.
- White powder coated stainless steel antenna whip.
- Glass-filled nylon base.
- Push button folding base.
- Includes a 5m cable and FastFit plugs.
- **ISO9001 Certified.**

## SeaMaster Antenna - AM/FM - Pro Series



530854



530855



530856

530857

Antennas					
	Part No.	Description	Colour	Frequency	Antenna Length (m)
<b>NEW ENTRY</b>	530826	SeaMaster AM/FM Antenna	White	AM/FM	0.45
<b>NEW ENTRY</b>	530827	SeaMaster AM/FM Antenna	Black	AM/FM	0.45
<b>NEW ENTRY</b>	530828	SeaMaster AM/FM Antenna	White	AM/FM	1
<b>NEW ENTRY</b>	530829	SeaMaster AM/FM Antenna	Black	AM/FM	1
<b>NEW ENTRY</b>	530830	SeaMaster AM/FM Antenna	White	AM/FM	1.8
<b>NEW ENTRY</b>	530831	SeaMaster AM/FM Antenna	Black	AM/FM	1.8
<b>NEW ENTRY</b>	530832	SeaMaster AM/FM Antenna	White	AM/FM	2.4
<b>NEW ENTRY</b>	530833	SeaMaster AM/FM Antenna	Black	AM/FM	2.4

The SeaMaster Pro Series AM/FM antenna are robust and reliable providing outstanding reception for years to come. Purpose built for boaties who may want to remove the antenna from its base. Height matters so choose the longest antenna possible to suit your application.









- 'No cable' antennas for boaties that may want to remove the antenna from its base.
- Ultraglass and glass-filled nylon antennas.
- Rugged and durable.
- Nylon ferrule.
- Open circuit.
- AM/FM radio plug fitted to base.
- **ISO9001 Certified.**

Antenna Mounts - SeaMaster - AM/FM					
Part No.	Description	Colour	Base Dimensions (mm)	Mount Hole (mm)	Cable Length (m)
530854	Nylon Fold Down Mount	White	81 x 63 x 106	7	5
530855	Nylon Fold Down Mount	Black	81 x 63 x 106	7	5
530856	Thru-Deck Mount	White	ø 35 x 100	ø 16	5
530857	Thru-Deck Mount	Black	ø 35 x 100	ø 16	5








## LongReach Antenna - AM/FM - Pro Series

Antennas					
Part No.	Description	Colour	Frequency	Antenna Length (m)	
 530894	LongReach AM/FM Antenna	White	AM/FM	1.8	
 530895	LongReach AM/FM Antenna	Black	AM/FM	1.8	
 530896	LongReach AM/FM Antenna	White	AM/FM	2.4	
 530897	LongReach AM/FM Antenna	Black	AM/FM	2.4	

The LongReach Pro Series AM/FM antenna are robust and reliable with a stainless steel base providing outstanding reception for years to come. Purpose built for boaties who may want to remove the antenna from it's base. Height matters so choose the longest antenna possible to suit your application.

- 'No cable' antennas for boaties that may want to remove the antenna from its base.
- Ultraglass and glass-filled nylon antennas.
- Rugged and durable.
- Stainless steel mounting thread.
- Open circuit.
- AM/FM radio plug fitted to base.
- **ISO9001 Certified.**

Antenna Mounts - LongReach - AM/FM					
Part No.	Description	Colour	Base Dimensions (mm)	Mount Hole (mm)	Cable Length (m)
 530862	Heavy-Duty Nylon Fold Down Mount	White	93 x 66 x 132	8	5
 530863	Heavy-Duty Nylon Fold Down Mount	Black	93 x 66 x 132	8	5
 530864	Stainless Steel Fold Down Mount	Stainless Steel	93 x 66 x 155	8	5



530862



530863



530864









530897



530895

## AIS Antenna

Part No.	Description	Gain (dBi)	Frequency (MHz)	Antenna Length (m)	
 530844	AIS Stainless Steel Masthead Antenna	3	161-163	1	
 530846	AIS SeaMaster Pro Ultraglass Antenna	3	161-163	1.8	
 530848	AIS LongReach Pro Ultraglass Antenna	3	161-163	2.4	

AIS - Automatic Identification System is a marine tracking system used for identifying and locating vessels by electronically exchanging data with nearby ships. The AIS unit uses a standardised transceiver to broadcast position, speed, name, course and destination of vessels.

The frequency used to transmit this data is higher than marine VHF, therefore using a standard marine antenna may compromise the performance of the AIS. It is recommended that you use a dedicated AIS antenna to ensure maximum performance and safety.

- Identifying and locating vessels by electronically exchanging data with nearby vessels.
- **530844** antenna is ideal for installs that require the lowest possible windage.
- Halfwave antenna.
- **ISO9001 Certified.**



530844



530848



530846

## LongReach Antenna - Quad Band - Pro Series



Antennas			
Part No.	Description	Frequency (MHz)	Antenna Length (m)
<b>530836</b>	Quad Band Antenna	700-800-900-1800-1900-2100	1
<b>530838</b>	Quad Band Antenna	700-800-900-1800-1900-2100	1.8
<b>530840</b>	Quad Band Antenna	700-800-900-1800-1900-2100	2.4

LongReach Quadband Series of cellular antennas are designed to give outstanding coverage and performance across all cellular bands. If you change your provider there is no need to change your antenna.

- Excellent coverage across all cellular bands.
- Covers cellular bands: 800-900-1800/1900-2100MHz.
- 'No cable' antennas for boaties that may want to remove the antenna from its base.
- Ultraglass and glass-filled nylon antennas.
- Rugged and durable.
- Stainless steel mounting thread.
- Halfwave antenna.
- **ISO9001 Certified.**

Antenna Mounts - LongReach					
Part No.	Description	Colour	Base Dimensions (mm)	Mount Hole (mm)	Cable Length (m)
<b>530858</b>	Heavy-Duty Nylon Fold Down Mount	White	93 x 66 x 132	8	5
<b>530859</b>	Heavy-Duty Nylon Fold Down Mount	Black	93 x 66 x 132	8	5
<b>530860</b>	Stainless Steel Fold Down Mount	Stainless Steel	93 x 66 x 155	8	5
<b>530861</b>	Stainless Steel Deck Mount	Stainless Steel	ø 64 x 100	6	5

## Omnipro Antenna - TV



530927 - Additional deck mount

Part No.	Description	Volts	Frequency (MHz)	Antenna Size ø x H (mm)
<b>530926</b>	Omnipro TV Antenna Kit	10-14.5	40-890	200 x 250
<b>530927</b>	Stainless Steel Deck Mount			

Marine TV antennas have to be omnidirectional because a boat underway or swinging at anchor is constantly changing its bearing to the TV transmitter. At just 200mm, this is one of the smallest omnidirectional antennas available. It has outstanding performance on UHF and FM bands and inside of VHF fringe areas.

- Ultraglass and glass-filled nylon antennas.
- Rugged and durable.
- **ISO9001 Certified.**

**Kit includes:** 1 x Omnipro antenna with 200mm mast.

- 1 x Amplifier.
- 1 x Stainless steel deck mount.
- 1 x 10m coaxial cable.
- 1 x 1.5m TV cable.

## Extension Cables

VHF Cables		
Part No.	Description	Cable Lengths (m)
530868	VHF Extension Cable	5
530869	VHF Extension Cable	10

• ISO9001 Certified.

VHF / AIS Cables		
Part No.	Description	Cable Lengths (m)
530870	VHF / AIS Extension Cable	5
530871	VHF / AIS Extension Cable	10
530872	VHF / AIS Extension Cable	15
530874	VHF / AIS Extension Cable	20
530875	VHF / AIS Extension Cable	25

• ISO9001 Certified.

FM / AM Cables		
Part No.	Description	Cable Lengths (m)
530878	FM / AM Extension Cable	5
530879	FM / AM Extension Cable	10

• ISO9001 Certified.



VHF cables



VHF / AIS cables



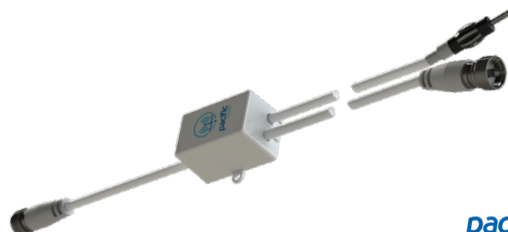
FM / AM cables



## Broadcast Band Splitter - VHF/AM/FM

Part No.	Description	Power (W)	Impedance (Ohms)	Cable Lengths (m)	
530876	VHF/AM/FM Broadcast Band Splitter	50	50	1	NEW ENTRY

- Uses VHF antenna to provide AM/FM reception.
- Does not degrade the performance of VHF frequencies.
- Supplied with VHF and car radio plugs.
- ABS plastic housing.
- ISO9001 Certified.



## Antenna Fastfit - Jack & Plug

Part No.	Description	
530884	Antenna Fastfit Jack	NEW ENTRY
530885	Antenna Fastfit Plug	NEW ENTRY

• ISO9001 Certified.



530884

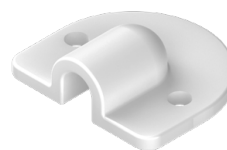
530885



## Antenna - Cable Cover

Part No.	Description	
530882	Cable Cover	NEW ENTRY

- Ideal for a exit or entry cable hole.
- ABS plastic housing.
- ISO9001 Certified.



## Radio Extension Speaker

Part No.	Description	Dimensions (L x W x H)	
530888	Radio Extension Speaker	80 x 70 x 45	NEW ENTRY

• ISO9001 Certified.



## Antenna - Fold Down Base

Part No.	Description	Colour	Base Dimensions (mm)	Mount Hole (mm)	
530930	Heavy-Duty Nylon Fold Down Mount	White	93 x 66 x 132	8	NEW ENTRY
530931	Heavy-Duty Nylon Fold Down Mount	Black	93 x 66 x 132	8	NEW ENTRY

• Cable sold separately.



530930



530931

