



**Hella marine**



World leading lighting technology  
Energy saving and ultra durable



[www.hellamarine.com](http://www.hellamarine.com)



**APELO**  
Underwater Lighting Brilliance



**Hella marine**



**On the water power is often a scarce resource. Long lasting and ultra efficient lighting has a substantial role to play in conserving energy while adding entertainment, style, function and safety.**

Welcome to Hella marine, world leading high technology lighting that sets benchmarks for 'Fit and Forget' reliability, and efficiency with outstanding customer service and support.

Founded in 1925 by HELLA in Lippstadt, Germany, Hella marine is now head-quartered in Auckland, New Zealand, a country with a rich maritime history, world class boat building and yacht racing success.

Through ongoing R&D, innovative design and use of high quality materials Hella marine continues to set benchmarks for extremely reliable and highly efficient products.

Today Hella marine is a globally recognised and trusted brand with LED navigation and high performance lighting systems available in over 60 countries through the global HELLA network and specialist marine distributors.

ISO 9001

**BUREAU VERITAS**  
Certification

N° 201297



**Hella marine is certified to the international quality standard ISO 9001:2008 for:**

'The Design and Manufacture of Marine Navigation Lighting, General Lighting, LED Based Lighting and Associated Electronic Control Units. The Design and Manufacture of Automotive Lighting and Signalling Equipment, General Lighting, Optical Products and Plastic Components.'



**Hella marine**



## Get the Hella marine advantages



### 5 Year Warranty

Peace of mind the product will stand the test of time.



### High CRI

A high colour rendering index ensures object and surface colours are replicated naturally.



### IP67 - Completely Sealed

Preventing moisture from corroding electronics is vital for long term durability. Hella marine products are completely sealed for interior or exterior use, wet or dry.



### Heavy Duty Grilamid® Lens

A revolutionary transparent plastic with exceptionally high impact strength and resistance to UV and chemical damage.



### Outstanding UV and Impact Resistance

Advanced impact resistant polymers that will not yellow or deteriorate, even after extreme exposure to UV.



### Class Leading Efficiency

Combining efficient LED sources with advanced optics, Hella marine delivers more light per watt for significant energy savings. Low heat signatures reduce heat on board and prevent damage to surrounding materials.



### Electromagnetic Compatibility (EMC)

Products that suppress possible interference, emission and susceptibility to emissions, according to international standards. This prevents possible interference with radio, communication, navigation and other electrical equipment on board.



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# NaviLED Navigation Lamps



Designed and manufactured in New Zealand and proven on the harshest waters worldwide, Hella marine LED navigation lamps provide power saving, highly visible and ultra durable lighting for reliability and safety at sea.



## Ultra Low Power Consumption

Combining efficient LED light sources with advanced optic technology, Hella marine LED products deliver more light output per watt and provide considerable power saving.

## No bulbs, No maintenance. Ultra long service life

Hella marine LED technology has no filaments to break, thus making the LED lamps extremely shock and vibration resistant for reliable illumination and safety.

Our engineering teams have developed a unique range of highly demanding tests to lift product reliability to new standards.



Sealed light engine clips into mounting shroud for an ultra secure attachment.



## Safe and highly visible

Advanced LED navigation lamp optics deliver optimal horizontal and vertical light distribution according to international standards. They provide enhanced visibility compared to bulb navigation lamps. Cut-off angles are ultra precise, clearly indicating a vessel's movement and heading.

## Fully sealed for life

Each Hella marine LED lamp is a completely sealed opto-electronic device. Proven design, precision engineering, and the use of high impact acrylic materials ensures superior resistance to water, impact, UV and general wear and tear.



#### **Superior Lens and Optic Materials for long life**

All Hella marine LED navigation lamps feature extra thick lenses. Taking ultra durable lighting to a new level, Hella marine specifies Grilamid®, a high performance polyamide manufactured in Switzerland, as a standard or optional lens choice. Grilamid® is a revolutionary transparent plastic with an exceptionally high impact strength and resistance to UV and chemical damage.

#### **Pre-wired with marine cable**

Hella marine LED lamps are pre-wired with quality marine specification tinned cable. The cable is completely sealed to the lamp body providing time saving at installation and reliable electrical connection.

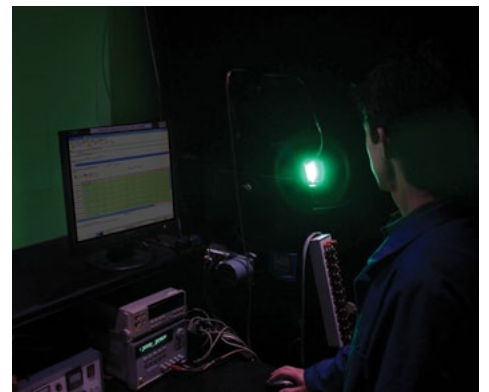
#### **Multivolt™ technology for durability and safety**

Advanced Multivolt™ circuitry provides a uniform level of intensity for reliable and safe illumination across a range of DC inputs such as 9-33 volts.

Multivolt™ LED lamps can be connected to 12 or 24 volt systems without modification, providing full light performance and automatic compensation for low battery voltages and voltage drop over long cables and connections. Multivolt™ LED lamps are also reverse polarity and spike protected for enhanced durability even under severe voltage fluctuations.

#### **Electromagnetic Compatibility (EMC)**

All Hella marine products are designed to suppress electromagnetic interference, complying with the emission and immunity limits prescribed in international standards. This protects the radio, communication, navigation and other electrical equipment onboard from possible interference with our products. Where applicable, Hella marine products carry CE marking for European Union legislation, and the C-Tick mark for Australian & New Zealand requirements.



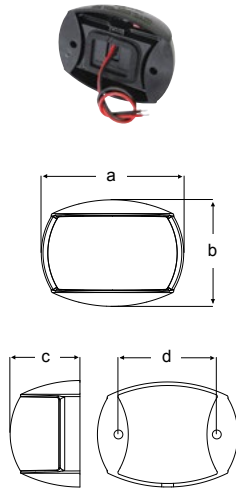
#### **Photometric Testing**

NaviLED PRO lamps have ultra precise horizontal and vertical cut-off angles to clearly indicate a vessel's movement and heading.

Every individual NaviLED PRO is photometrically verified in production by a sophisticated goniometer to ensure compliance with the intensity and cut-off requirements of international navigation lamp standards.

After passing photometric testing, a unique serial number is laser engraved onto the lens. This serial number is referenced to individual test reports which are electronically archived by Hella marine, ensuring international navigation lamp standards are consistently met.

**Approved for Powerboats and Yachts**



**Dimensions**  
 a = 71mm / 2.80"  
 b = 53mm / 2.09"  
 c = 33mm / 1.30"  
 d = 50 mm / 1.97"

Material Description	UV resistant, enhanced impact resistant acrylic lens. High impact shroud
Minimum Visible Distance	2 Nautical Mile (Yachts and Powerboats)
Cable	Pre-wired with 120mm of marine cable
Operating Voltage	Multivolt™ 9-33V DC
Voltage Protection	Spike protected to +500 volts Reverse polarity protected to -700 volts
Power Consumption	Port and Starboard less than 2W combined. Stern and Towing less than 2W,
Protection	IP 67 (Completely Sealed)
Weight	60g (including 120mm single core cable)
Approvals	IMO COLREG, USCG, RINA, ABYC A-16, RCD



**Single Lamps**

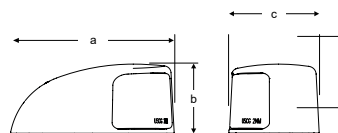
Lamp Type	Visibility	Black Shroud	White Shroud
Port	2 NM	2LT 980 520-001	2LT 980 520-011
Starboard	2 NM	2LT 980 520-201	2LT 980 520-211
Stern	2 NM	2LT 980 520-501	2LT 980 520-511
Towing	2 NM	2LT 980 520-601	2LT 980 520-611

**Port & Starboard Pairs (coloured outer lens)**

Lamp Type	Visibility	Black Shroud	White Shroud
Port & Starboard	2 NM	2LT 980 520-801	2LT 980 520-811

**Port & Starboard Pairs (clear outer lens)**

Lamp Type	Visibility	Black Shroud	White Shroud
Port & Starboard	2 NM	2LT 980 520-901	2LT 980 520-911



**Dimensions:**  
 a = 90.0mm / 3.54"  
 b = 38.5mm / 1.52"  
 c = 50.0mm / 1.97"



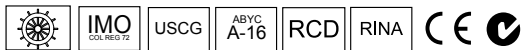
**Port & Starboard Pairs (coloured outer lens)**

Lamp Type	Visibility	Black Shroud	White Shroud
Port & Starboard	2 NM	2LT 980 620-801	2LT 980 620-811

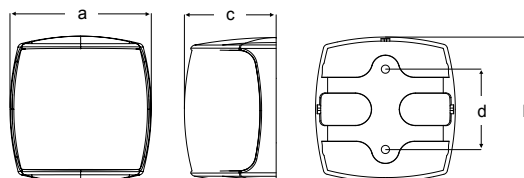
**Port & Starboard Pairs (clear outer lens)**

Lamp Type	Visibility	Black Shroud	White Shroud
Port & Starboard	2 NM	2LT 980 620-901	2LT 980 620-911





Material Description	High impact resistant acrylic lens or Ultra heavy duty Grilamid® lens.
Cable	Pre-wired with 2.5m of twin core marine cable
Operating Voltage	Multivolt™ 9-33V DC
Voltage Protection	Spike protected to +500 volts Reverse polarity protected to -700 volts
Power Consumption	Port, Starboard and Stern - Less than 3.2W combined. Masthead - Less than 2.5W
Protection	IP 67 (Completely Sealed)
Weight	150g (including cable)
Approvals	IMO COLREG, USCG, RINA, ABYC A-16, RCD.



**Dimensions**  
a = 87mm / 3.43"  
b = 90mm / 3.54"  
c = 57mm / 2.25"  
d = 50mm / 1.97"

### 2 Nautical Mile Powerboat and Yacht. High impact acrylic lens

Lamp Type	Visibility	Black Shroud	White Shroud
Port	2 NM	2LT 959 900-001	2LT 959 900-011
Starboard	2 NM	2LT 959 908-001	2LT 959 908-011
Stern	2 NM	2LT 959 909-001	2LT 959 909-011



### 3 Nautical Mile Powerboat. High impact acrylic lens

Lamp Type	Visibility	Black Shroud	White Shroud
Port	3 NM	2LT 959 900-201	2LT 959 900-211
Starboard	3 NM	2LT 959 908-201	2LT 959 908-211
Stern	3 NM	2LT 959 909-201	2LT 959 909-211
Masthead	3 NM	2LT 959 940-201	2LT 959 940-211



### Powerboat and Yacht. Ultra heavy duty Grilamid® lens

Lamp Type	Visibility	Black Shroud	White Shroud
Port	2 NM	2LT 959 900-601	2LT 959 900-611
Starboard	2 NM	2LT 959 908-601	2LT 959 908-611
Stern	2 NM	2LT 959 909-601	2LT 959 909-611
Bi-Colour	2 NM	2LT 959 941-001	2LT 959 941-011
Masthead	3 NM	2LT 959 940-601	2LT 959 940-611
Masthead	5 NM	2LT 959 940-401	2LT 959 940-411

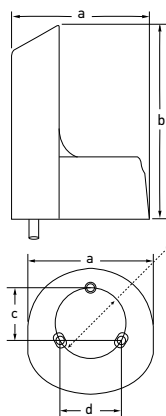


\* for Powerboats and Sailing Yachts under motor

### NavILED PRO Deck Mount Adaptor

Black Housing	White Housing
8HG 241 287-802	8HG 241 287-812

The NavILED PRO Deck Mount Adaptor allows the NavILED PRO lamps to be mounted on a horizontal surface.

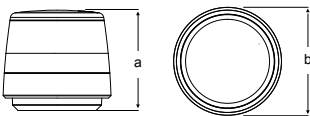


**Dimensions**  
a = 90mm / 3.54"  
b = 128mm / 5"  
c = 38mm / 1.5"  
d = 44mm / 1.73"  
e = 50.8mm / 2"



### COLREG and Wheelmark Certified All Round Lamps

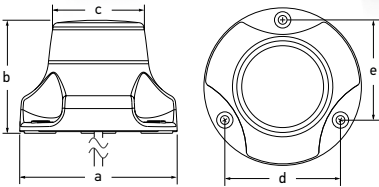
Housing Material	Corrosion, UV and impact resistant plastic
Lens Material	Heavy duty Grilamid®
Minimum Visible Distance	2 Nautical Mile
Cable	Pre-wired with marine cable
Operating Voltage	Multivolt™ 12 / 24V DC
Power Consumption	1W
Protection	IP 67 (Completely sealed)
Approvals	IMO Col Reg 72, USCG, Wheelmark, ABYC A-16, RCD



**Dimensions**  
a = 56mm / 2.20"  
b = 60mm / 2.36"

### Anchor Lamps with Compact Surface Mount Base

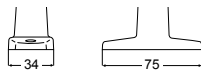
Height	Visibility	Black Base	White Base
56mm (2.2")	2 NM	2LT 980 960-001	2LT 980 960-011



**Dimensions**  
a = 90mm / 3.54"  
b = 68mm / 2.68"  
c = 53mm / 2.09"  
d = 66mm / 2.60" (mounting holes)  
e = 57mm / 2.24" (mounting holes)

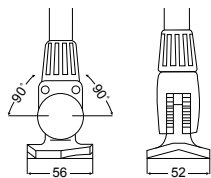
### Anchor and all round lamps with Wide Base

Light Colour	Visibility	Black Base	White Base
White	2 NM	2LT 980 910-121	2LT 980 910-131
Red	2 NM	2LT 980 910-521	2LT 980 910-531
Green	2 NM	2LT 980 910-321	2LT 980 910-331



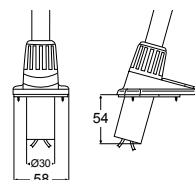
### Fixed Pole Anchor Lamps

Overall Length	Visibility	Black Base	White Base
167mm (6")	2 NM	2LT 980 960-201	2LT 980 960-211



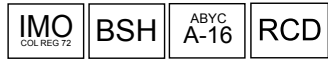
### Fold Down Anchor Lamps

Overall Length	Visibility	Black Base	White Base
204mm (8")	2 NM	2LT 980 960-281	2LT 980 960-291
315mm (12")	2 NM	2LT 980 960-301	2LT 980 960-311
510mm (20")	2 NM	2LT 980 960-321	2LT 980 960-331
605mm (24")	2 NM	2LT 980 960-341	2LT 980 960-351
865mm (34")	2 NM	2LT 980 960-361	2LT 980 960-371
1016mm (40")	2 NM	2LT 980 960-461	2LT 980 960-471



### Plug-in Pole Anchor Lamps

Overall Length	Visibility	Black Base	White Base
610mm (24")	2 NM	2LT 980 960-401	2LT 980 960-411
1080mm (42")	2 NM	2LT 980 960-421	2LT 980 960-431
1380mm (54")	2 NM	2LT 980 960-441	2LT 980 960-451



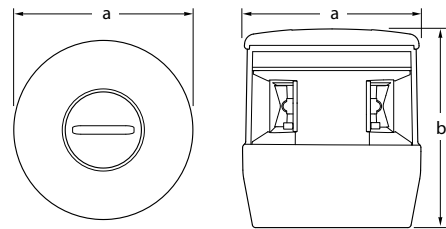
**COLREG and BSH Certified LED Tri Colour with Anchor**

Housing Material	UV resistant, high impact nylon
Lens Material	UV resistant, heavy duty Grilamid®
Mounting Shaft	316 stainless steel
Minimum Visible Distance	2 Nautical Mile (Yacht)
Cable	Pre-wired with 400mm of triple core marine cable
Operating Voltage	Multivolt™ 9-33V DC
Voltage Protection	Spike protected to +500 volts Reverse polarity protected to -700 volts
Power Consumption	Port, Starboard and Stern - Less than 3.5W combined All Round White / Anchor - Less than 1.5W
Protection	IP 67 (Completely Sealed)
Weight	400g (including cable)
Approvals	BSH, IMO COLREG, USCG, ABYC, RCD
Warranty	Seven Years



Innovative mounting system for easy and secure installation

316 Stainless steel mounting shaft and base



Top Profile

Side Profile

**Dimensions**

a = 85mm / 3.35"  
b = 95mm / 3.74"

**Tri Colour Lamp with Anchor**

Visibility	Black Base
2 NM	2LT 980 650-001



# Apelo Underwater Lighting



**APELO**  
Underwater Lighting Brilliance

## Redefining entertainment lighting



### Optical intelligence for superior brightness

Expert optical design delivers more light with a wide horizontal spread and a narrow vertical distribution for high lux levels where it counts instead of sending light too high or too low where it becomes invisible.

For the lumen rating on offer, Apelo competes with lamps offering higher lumen ratings using less energy to achieve the same intensity levels.

### Advanced materials

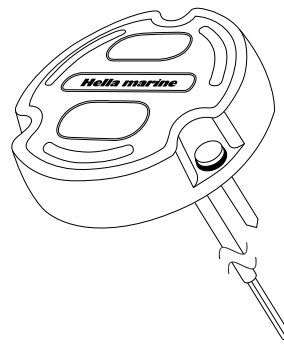
Apelo A1 uses a thermal polymer housing, a material completely resistant to corrosion and suitable for any hull material. Hella marine has employed thermal polymers for decades and built-up substantial experience. Thermal polymer draws heat away from the internal electronics to support the brightest polymer underwater lamps on the market.

### Electronic protection

Inside every Apelo lamp are intelligent drive circuits that sense their environment to regulate the power and control the heat inside. Apelo is as happy running out of the water as in it. We call this dry running protected.

### Sealing confidence

Robotic gluing delivers an incredible sealing accuracy of the glue mix and pinpoint placement batch after batch with near infinite repeatability. For confidence, Apelo is certified to IP68 and IP69.



**Robust Surface Mount**

High strength mounting system. Fastenings included.



### Edge Light Technology

Apelo A2 showcases Edge Light, distinctive glowing signatures of elegant illumination bordering the lamp front.



### Optical Intelligence

Apelo lamps project a wide horizontal spread of colour across the water with spectacular effect. Asymmetric light patterns focus light efficiently below the waterline.



### Dry Running Protected

Advanced thermal management ensuring ongoing protection and no damage by operation out of the water.



### Lightspeed™ Recommended

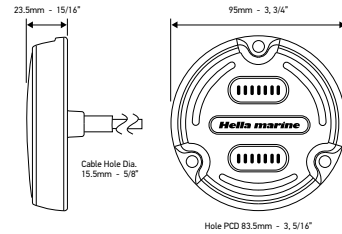
Hella marine recommends Lightspeed™ by Propspeed®, a foul-release coating to protect Apelo underwater lights and maintain their underwater brilliance. Lightspeed™ is tested to provide no decrease in light intensity, no colour shift and no other adverse performance decreases.

## Apelo A1 Polymer For all hull materials.

Lumen	1800 (White)	
Lens Material	Heavy duty Grilamid®	
Base Material	Corrosion proof thermal polymer	
Colour Temperature	5000K (White)	
Pre-wired Cable	2.5m / 8.2ft, marine cable	
Operating Voltage	Multivolt™ 9-32V DC, 12/24V DC Nominal	
Power Consumption	White / Blue 20W / 1.7A @ 12V, 0.9A @ 24V	RGB 15W / 1.25A @ 12V, 0.7A @ 24V
Protection	IP68 / IP69	
Weight (incl. cable)	White / Blue 250g	RGB 300g
Approvals	EN55015 / CISPR 15, IEC60533, IEC61547, ICES-5	

Light Colour	White Lens	Charcoal Lens
White / Blue	2LT 016 145-012	2LT 016 145-002
RGB	2LT 016 146-012	2LT 016 146-002

Retail packaging is available

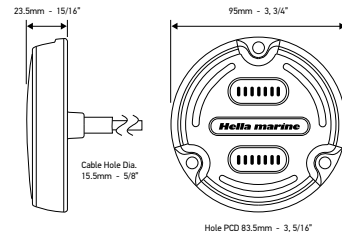


## Apelo A2 Bronze For all hull materials. (Not aluminium)

Lumen	3000 (White)	
Lens Material	Heavy duty Grilamid®	
Base Material	Marine grade bronze	
Colour Temperature	5000K (White)	
Pre-wired Cable	2.5m / 8.2ft, marine cable	
Operating Voltage	Multivolt™ 9-32V DC, 12/24V DC Nominal	
Power Consumption	White / Blue 30W / 2.5A @ 12V, 1.3A @ 24V	RGB 30W / 2.5A @ 12V, 1.3A @ 24V
	Edge Light <2W / <0.2A @ 12V, <0.1A @ 24V	
Protection	IP68 / IP69	
Weight (incl. cable)	White / Blue 600g	RGB 650g
Approvals	EN55015 / CISPR 15, IEC60533, IEC61547, ICES-5	

Light Colour	White Lens
White / Blue	2LT 016 147-102
RGB	2LT 016 148-102

Retail packaging is available

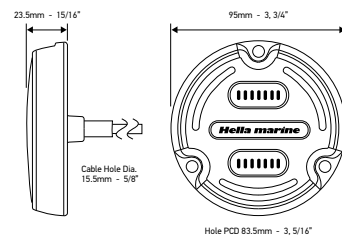


## Apelo A2 Aluminium For aluminium hulls and applications not subject to permanent submersion

Lumen	3000 (White)	
Lens Material	Heavy duty Grilamid®	
Base Material	Hard Anodised Aluminium	
Colour Temperature	5000K (White)	
Pre-wired Cable	2.5m / 8.2ft, marine cable	
Operating Voltage	Multivolt™ 9-32V DC, 12/24V DC Nominal	
Power Consumption	White / Blue 30W / 2.5A @ 12V, 1.3A @ 24V	RGB 30W / 2.5A @ 12V, 1.3A @ 24V
	Edge Light <2W / <0.2A@12V, <0.1A @ 24V	
Protection	IP68 / IP69	
Weight (incl. cable)	White / Blue 310g	RGB 360g
Approvals	EN55015 / CISPR 15, IEC60533, IEC61547, ICES-5	

Light Colour	Charcoal Lens
White / Blue	2LT 016 147-002
RGB	2LT 016 148-002

Retail packaging is available



# EuroLED 95 Down Lights



**Style, functionality, performance, energy efficiency and long-lasting illumination, EuroLED 95 lighting is an elegant addition to any vessel.**

The smooth diffused lens creates a comfortable and uniform appearance, while high output LEDs produce over 420 Lumen of broad and even illumination.

The ultimate in versatility, with a choice of light temperature between 5000K white – best for enhanced brightness in working conditions to 2700K warm white – creating a cosy atmosphere and bringing out the best in wooden furniture.

A high colour rendering index of 85+ (CRI) also ensures object and surface colours are replicated naturally. Optional red and blue secondary LED colours also add increased functionality.



# EuroLED 95 Dual Colour

<b>Power Consumption</b>	<6W (<0.05A@12V / <0.25A@24V)
<b>Lumen</b>	420 lumen
<b>Beam Angle / CRI</b>	90° / 85 CRI
<b>Operating Voltage</b>	Multivolt™ 12/24V DC
<b>Protection</b>	IP6K9K (Completely sealed) IP67
<b>Rim Material</b>	Highly Polished 316 Stainless Steel
<b>Cable</b>	Pre-wired with 150mm marine cable
<b>Colour Temperature</b>	5000K (White) , 2700K (Warm White)
<b>Dimming</b>	Via PWM

## Round Lamps

Light Colour	Mounting	Round polished stainless steel rim
White / Red	Spring	2JA 958 340-101
Warm White / Red	Spring	2JA 958 340-121
White / Blue	Spring	2JA 958 340-111
Warm White / Blue	Spring	2JA 958 340-131

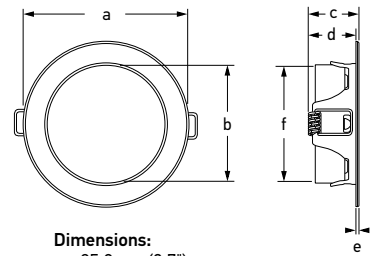
## Square Lamps

Light Colour	Mounting	Square polished stainless steel rim
White / Red	Spring	2JA 958 340-601
Warm White / Red	Spring	2JA 958 340-621
White / Blue	Spring	2JA 958 340-611
Warm White / Blue	Spring	2JA 958 340-631

Bulk packs available

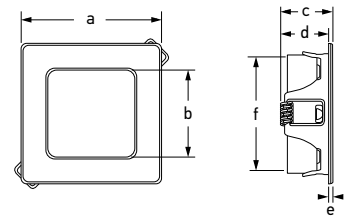


Round Spring Clip



**Dimensions:**  
a = 95.0mm (3.7")  
b = 68.0mm (2.7")  
c = 30.0mm (1.2")  
d = 27.3mm (1.07")  
e = 2.0mm (0.08")  
f = 72.0mm (2.83") (Mounting Hole)

Square Spring Clip



**Dimensions:**  
a = 78.0mm (3.1")  
b = 48.0mm (1.9")  
c = 29.0mm (1.14")  
d = 26.4mm (1.04")  
e = 2.5mm (0.1")  
f = 72.0mm (2.83") (Mounting Hole)

# EuroLED 95 Single Colour

<b>Power Consumption</b>	<6W (<0.05A@12V / <0.25A@24V)
<b>Lumen</b>	420 lumen
<b>Beam Angle / CRI</b>	90° / 85 CRI
<b>Operating Voltage</b>	Multivolt™ 12/24V DC
<b>Protection</b>	IP6K9K (Completely sealed) IP67
<b>Rim Material</b>	Highly Polished 316 Stainless Steel
<b>Cable</b>	Pre-wired with 150mm marine cable
<b>Colour Temperature</b>	5000K (White) , 2700K (Warm White)
<b>Dimming</b>	Via PWM

## Round Lamps

Light Colour	Mounting	Round polished stainless steel rim
White	Spring	2JA 958 340-011
Warm White	Spring	2JA 958 340-021

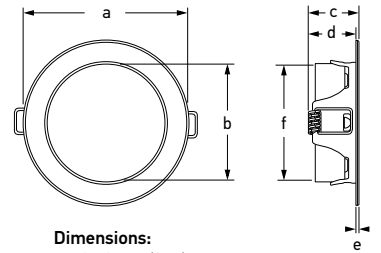
## Square Lamps

Light Colour	Mounting	Square polished stainless steel rim
White	Spring	2JA 958 340-511
Warm White	Spring	2JA 958 340-521

Bulk packs available

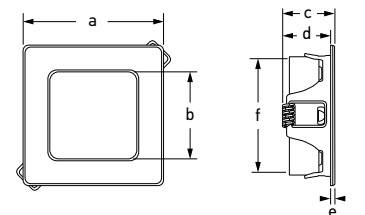


Round Spring Clip



**Dimensions:**  
a = 95.0mm (3.7")  
b = 68.0mm (2.7")  
c = 30.0mm (1.2")  
d = 27.3mm (1.07")  
e = 2.0mm (0.08")  
f = 72.0mm (2.83") (Mounting Hole)

Square Spring Clip



**Dimensions:**  
a = 78.0mm (3.1")  
b = 48.0mm (1.9")  
c = 29.0mm (1.14")  
d = 26.4mm (1.04")  
e = 2.5mm (0.1")  
f = 72.0mm (2.83") (Mounting Hole)

# EuroLED 75 Down Lights



Stylish and energy efficient LED down lights for interior and exterior applications with a single or dual colour function.



Leading LED technology delivers exceptional colour rendering, reproducing colours in their natural richness. Producing an impressive output of 190 actual lumens, with a diffused lens, creates a bright, broad and even illumination, replicating the pleasing appearance of a traditional round lamp.

Suitable for interior and exterior applications, wet or dry, EuroLED 75 lamps are completely sealed - IP67 rated. Manufactured using high-grade materials these lamps will not corrode, fade or embrittle in the harsh marine environment.

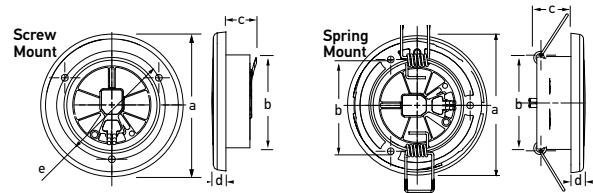
Warm white EuroLED 75 with one EuroLED 75 dual colour (red) above the helm.





# EuroLED 75 Dual Colour

Power Consumption	3W (<0.19A @ 12V DC)
Lumen	190 lumen
Beam Angle / CRI	80° / 85 CRI
Operating Voltage	12V DC (9-16VDC)
Protection	IP6K7 & IP6K9K (Completely sealed)
Rim material	UV resistant plastic or 316 stainless steel
Cable	Pre-wired with 120mm marine cable
Colour Temperature	5000K (White) , 2700K (Warm White)
Dimming	Via PWM or Voltage Resistive dimmer



Dimensions:  
 a = 72.0mm (2.83") with stainless rim  
 75.0mm (2.95") with plastic rim  
 b = 50.0mm (1.96") with screw mounting  
 54.0mm (2.12") with spring mounting

c = 16.0mm (0.63") with screw mounting  
 20.5mm (0.81") with spring mounting  
 d = 7.5mm (0.29")  
 e = 57.0mm (2.24") PCD

## Round Lamps

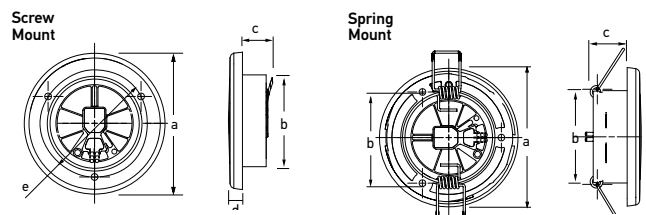
Light Colour	Voltage	Mount Type	White Plastic Rim	Stainless Steel Rim
Red / White	12V	Screw	2JA 015 247-011	2JA 015 247-021
Red / Warm White	12V	Screw	2JA 015 247-111	2JA 015 247-121
Red / White	12V	Spring Clip	2JA 015 247-511	2JA 015 247-521
Red / Warm White	12V	Spring Clip	2JA 015 247-611	2JA 015 247-621

Bulk packs available



# EuroLED 75 Single Colour

Power Consumption	3W (<0.19A @ 12V DC)
Lumen	190 lumen
Beam Angle / CRI	80° / 85 CRI
Operating Voltage	12V DC (9-16VDC)
Protection	IP6K7 & IP6K9K (Completely sealed)
Rim material	UV resistant plastic or 316 stainless steel
Cable	Pre-wired with 120mm marine cable
Colour Temperature	5000K (White) , 2700K (Warm White)
Dimming	Via PWM or Voltage Resistive dimmer



Dimensions:  
 a = 72.0mm (2.83") with stainless rim  
 75.0mm (2.95") with plastic rim  
 b = 50.0mm (1.96") with screw mounting  
 54.0mm (2.12") with spring mounting

c = 16.0mm (0.63") with screw mounting  
 20.5mm (0.81") with spring mounting  
 d = 7.5mm (0.29")  
 e = 57.0mm (2.24") PCD

## Round Lamps

Light Colour	Voltage	Mounting	White Plastic Rim	Stainless Steel Rim
White	12V	Screw	2JA 958 110-011	2JA 958 110-021
White	24V	Screw	2JA 958 110-111	2JA 958 110-121
Warm White	12V	Screw	2JA 958 109-011	2JA 958 109-021
Warm White	24V	Screw	2JA 958 109-111	2JA 958 109-121
White	12V	Spring	2JA 958 110-511	2JA 958 110-521
White	24V	Spring	2JA 958 110-611	2JA 958 110-621
Warm White	12V	Spring	2JA 958 109-511	2JA 958 109-511
Warm White	24V	Spring	2JA 958 109-611	2JA 958 109-621

Bulk packs available



## Square Lamps

Light Colour	Voltage	Mounting	White Plastic Rim	Chrome Plastic Rim
White	12V	Screw	2JA 015 014-011	2JA 015 014-021
White	24V	Screw	2JA 015 014-111	2JA 980 596-131
Warm White	12V	Screw	2JA 015 014-211	2JA 015 014-221
Warm White	24V	Screw	2JA 015 014-311	2JA 015 014-321

Bulk packs available



# EuroLED 130 & 150 Down Lights



**Hella marine touch technology makes lighting control beautifully simple.**



Touch the red pad for red light, the white pad for white light. Hold a finger on the pad for two seconds and the lamp will cycle through increasing / decreasing intensity levels. Release at the intensity level required.

Dual colour EuroLED lamps may also be remotely operated from multiple points via momentary switches. Holding an external switch for two seconds will synchronise the lamps to the same colour and/or intensity level.

Light levels are stored by the lamps circuitry, even when a vessel's batteries are turned off. The lamp will turn on at the colour intensity previously set, regardless of power interruption.

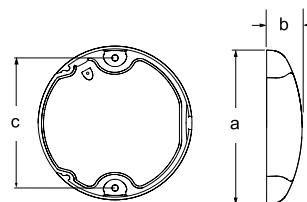


- Completely sealed housing
- Pre-wired with marine cable



## EuroLED 130 Lamps

Lens material	UV resistant enhanced impact acrylic
Shroud material	Heavy duty nylon
Colour Temperature	5000K (White)
Cable	Pre-wired with 2.5m of marine cable
Operating Voltage	Multivolt™ 9-33V DC
Power Consumption	4.0W ( 0.33A@12V / 0.17A@24V )
Protection	IP 67 (Completely Sealed)
Approvals	ISO 8846 (Ignition Protection)



**Dimensions**  
a = 129.5mm / 5.10"  
b = 29.5mm / 1.16"  
c = 110mm / 4.33"

### Dual Colour EuroLED Touch 130 Lamps

Light Colour	White shroud	Black shroud
White / Red	2JA 959 950-121	2JA 959 950-111
White / Blue	2JA 959 951-121	2JA 959 951-111



### Single Colour EuroLED Touch 130 Lamps

Light Colour	White shroud	Black shroud
White	2JA 959 950-521	2JA 959 950-511



EuroLED 130 Spacer Rings  
Black 8HG 959 952-002  
White 8HG 959 952-012

### Single Colour EuroLED 130 Lamps (no switching)

Light Colour	White shroud	Black shroud
White	2JA 959 820-521	2JA 959 820-511

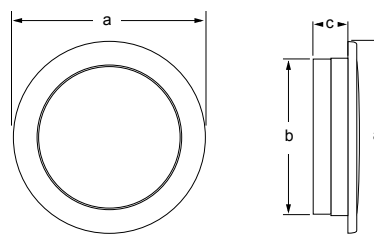


EuroLED 130 Shroud  
Black 9HD 959 027-002  
White 9HD 959 027-012

Bulk packs available

## EuroLED 150 Lamps

Lens material	UV resistant enhanced impact acrylic
Rim material	UV resistant plastic. 316 stainless steel
Colour Temperature	4200K (White) 3000K (Warm White)
Cable	Pre-wired with 500mm of marine cable
Operating Voltage	Multivolt™ 9-33V DC
Power Consumption	4.0W ( 0.33A@12V / 0.17A@24V )
Protection	IP 67 (Completely Sealed)

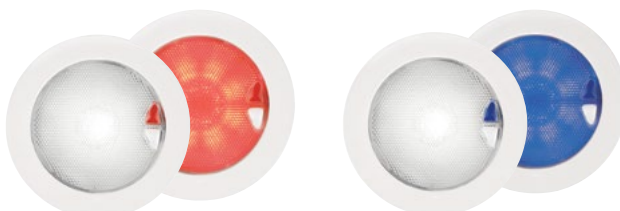


**Dimensions**  
a = 150 mm / 5.90"  
b = 124 mm / 4.88"  
c = 20 mm / 0.79"

Note - A white spacer ring is included with each EuroLED 150

### Dual Colour EuroLED Touch 150 Lamps

Light Colour	White plastic rim	Stainless steel rim
White / Red	2JA 980 630-001	2JA 980 630-011
Warm White / Red	2JA 980 630-101	2JA 980 630-111
White / Blue	2JA 980 630-201	2JA 980 630-211



### Single Colour EuroLED Touch 150 Lamps

Light Colour	White plastic rim	Stainless steel rim
White	2JA 980 630-501	2JA 980 630-511
Warm White	2JA 980 630-601	2JA 980 630-611



### Single Colour EuroLED 150 Lamps (no switching)

Light Colour	White plastic rim	Stainless steel rim
White	2JA 980 631-501	2JA 980 631-511
Warm White	2JA 980 631-601	2JA 980 631-611



Bulk packs available

# Ponui Reading Lamps



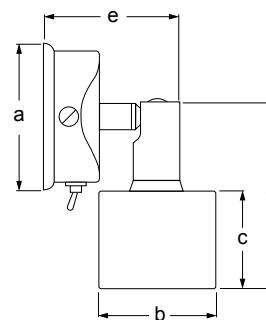
Timeless polished chrome housings combine with energy efficient LED technology in a range of attractive and 'cool to touch' reading lamps with switches.



Hella marine optics provide a uniform distribution of light without glare or eye strain.

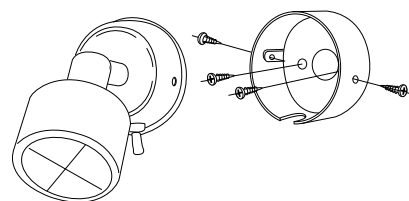
The light colour exactly matches an equivalent Hella marine EuroLED 75 and EuroLED 95 for consistent illumination and coordinated ambience throughout a vessel.

Power Consumption	3W (<0.19A @ 12V DC)	
Lumen	190	
Beam Angle / CRI	80° / 85 CRI	
Operating Voltage	12V or 24V DC	
Protection	IP6K7 & IP6K9K (Completely sealed)	
Lens Material	UV resistant enhanced impact acrylic	
Lamp Body Material	Bright chrome plated brass	
Cable	Pre-wired with 120mm marine cable	
Colour Temperature	5000K (White) , 2700K (Warm White)	
Dimming	Via PWM or Voltage Resistive dimmer	



Dimensions:  
a = 70 mm / 2.76"  
b = 55 mm / 2.17"  
c = 36 mm / 1.42"  
d = 75 mm / 2.95"  
e = 65 mm / 2.56"

Light Colour	12V	24V
White	2JA 958 358-001	2JA 958 358-201
Warm White	2JA 958 358-011	2JA 958 358-211



- Bulkhead mount via plastic mounting cup
- Lamp is pre-wired with marine cable

# Flexi-Spot Chart Table Lamps

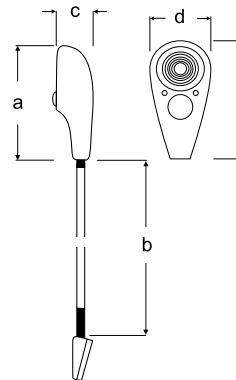


Energy efficient lamps for a variety of interior applications including chart table and navigation area lighting, berth lighting and adjustable reading lights.



Available in single red or white LED light or dual colour red and white LED versions with integrated dimming via a rotary switch built into the head.

Housing Description	UV and impact resistant plastic
Arm material	Single colour - Coated steel arm Dual colour red / white - 316 stainless arm
Cable	Pre-wired with 120mm of cable
Operating Voltage	Multivolt™ 9-31V DC
Power Consumption	<2W ( <0.16A@12V / <0.08A@24V )
Protection	IP 53
Weight	150mm - 130g (including cable) 400mm - 230g (including cable)



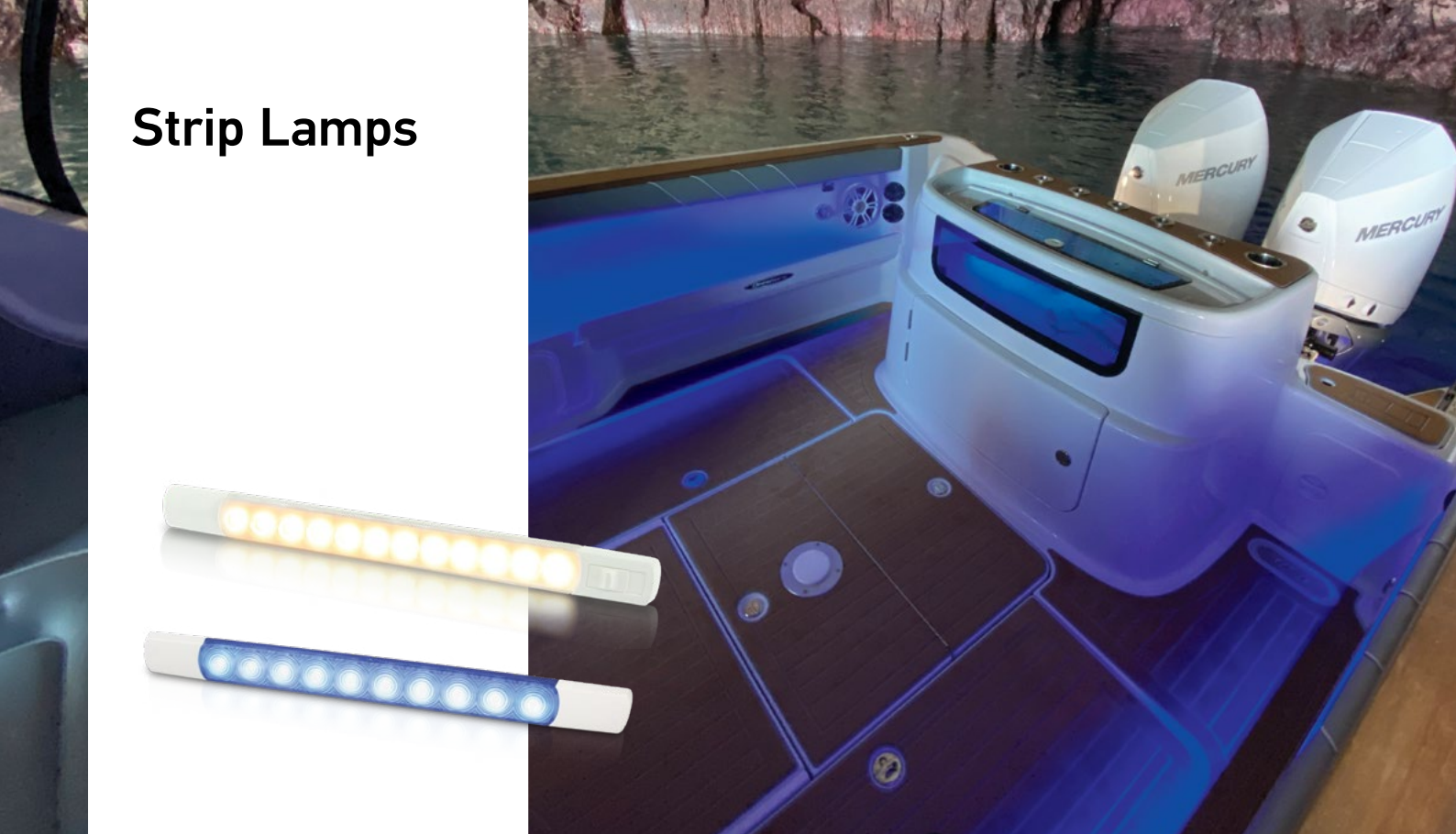
**Dimensions**  
a = 104mm / 4.09"  
b = 150mm / 5.91"  
400mm / 15.75"  
c = 36mm / 1.42"  
d = 46mm / 1.81"

Light Colour	150mm Shaft	400mm Shaft
White / Red	2JA 343 720-522	2JA 343 720-622
White	2JA 346 720-022	2JA 346 720-122
Red	2JA 346 720-057 (Bulk - 24pcs)	2JA 343 720-152

Dual colour LED chart table lamps feature a rotary dial for on / off and red / white light control and dimming.



# Strip Lamps

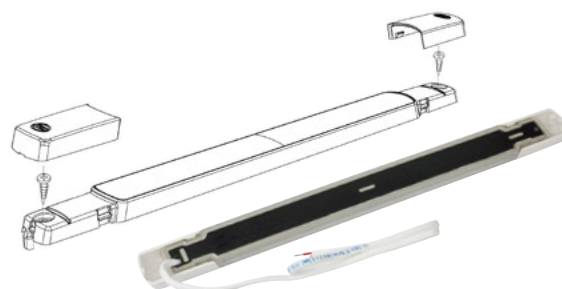


Featuring an innovative waterproof switch, Hella marine strip lamps offer an ultra-low profile design and are completely sealed for interior and exterior installations.

Combining impressive light performance and low energy consumption, strip lamps are ideal to replace bulky fluorescent lighting. With 250 lumens (White) and a high CRI rating of 85 these elegant fittings enhance with bright and accurate illumination.

The sealed switch prevents moisture entering the electronics, while the low profile design offers an effortless installation almost anywhere on board. Fastenings at each end of the lamp body are covered by snap-on end caps for a modern appearance.

Purpose designed for the harsh marine environment, surface mount strip lamps are salt water durable and ideal for interior and exterior, wet or dry applications.



- Completely sealed housing
- Pre-wired with marine cable



8HG 958 000-011  
45° Mounting Bracket White

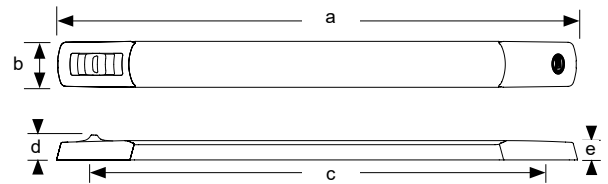
8HG 958 000-021  
45° Mounting Bracket Charcoal

9.2652SW.09  
1 x white switch cap + 1 x standard white cap

9.262652SW.10  
1 x charcoal switch cap + 1 x standard charcoal cap

## Surface Mount Interior Lamps

Lens Material	UV resistant enhanced impact acrylic
Colour Temperature	5000K (White) 2700K (Warm White)
Dimming	Hella marine Dimmer 5XA 998 572-001
Cable	Pre-wired with 500mm of marine cable
Operating Voltage	9-16V DC / 18-32V DC
Power Consumption	White <3.0W (<0.25A@12V / <0.16A@24V)
Protection	IP 67 (Completely Sealed)
Weight	75g (including cable)



**Dimensions:**

a = 283mm	(11.14")
b = 25mm	(1.0")
c = 265mm	(10.43")
d = 14mm	(0.55") Switch Cap
e = 11mm	(0.43") Plain Cap

### Surface mount strip lamps with switches

LED Colours	12V Part Number	24V Part Number
White	2JA 958 123-001	2JA 958 123-401
White / Red	2JA 958 121-001	2JA 958 121-401
White / Blue	2JA 958 121-011	2JA 958 121-411
Warm White	2JA 958 123-101	2JA 958 123-501
Warm White / Red	2JA 958 121-101	2JA 958 121-501
Warm White / Blue	2JA 958 121-111	2JA 958 121-511



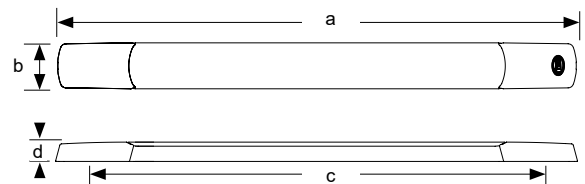
### Surface mount strip lamps - Non switched

LED Colours	12V Part Number	24V Part Number
White	2JA 958 124-001	2JA 958 124-401
Warm White	2JA 958 124-101	2JA 958 124-501



## Surface Mount Courtesy Intensity Strip Lamps

Lens Material	UV resistant enhanced impact acrylic
Colour Temperature	5000K (White) 2700K (Warm White)
Dimming	Hella marine Dimmer 5XA 998 572-001
Cable	Pre-wired with 500mm of marine cable
Operating Voltage	12V DC or 24V DC
Power Consumption	White 1.5W (0.13A@12V / 0.06A@24V)
Protection	IP 67 (Completely Sealed)
Weight	75g (including cable)

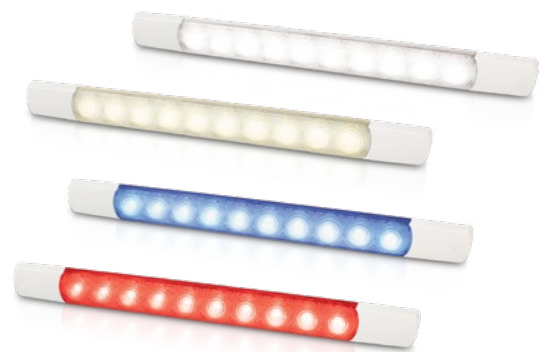


**Dimensions:**

a = 283mm	(11.14")
b = 25mm	(1.0")
c = 265mm	(10.43")
d = 11mm	(0.43")

### Surface mount courtesy intensity strip lamps - Non switched

LED Colour	12V Part Number	24V Part Number
White	2JA 980 881-012	2JA 980 881-112
Warm White	2JA 980 881-212	2JA 980 881-312
Blue	2JA 980 881-402	2JA 980 881-502
Red	2JA 980 881-602	2JA 980 881-702



# Step Lighting



**Attractive, compact and energy efficient LED courtesy lighting for interior and exterior applications.**



Light is radiated downward at an angle of 30° making these lamps ideal for safely illuminating on board areas such as steps, stairs, toe kicks, storage areas, companion ways, deck fittings, signs and switches.

Hella marine step lamps are completely sealed, shock and vibration resistant and represent reliable 'fit and forget' technology. Multivolt™ electronics ensure constant light output in 12V or 24V DC systems.

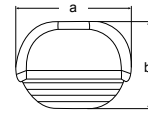
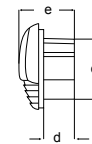
Each lamp is pre-wired with marine cable and supplied with stainless steel screws.





## Easy Fit Step Lamps

Lens Material	UV resistant enhanced impact acrylic
Cap Material	White plastic, chrome plated plastic, polished 316 stainless
Cable	Pre-wired with 100mm of marine cable
Operating Voltage	Multivolt™ 9-32V DC
Power Consumption	0.5W ( <0.04A@12V / <0.02A@24V )
Protection	IP 67 (Completely Sealed)
Weight	Stainless Cap - 30g (including cable) Plastic Cap - 15g (including cable)



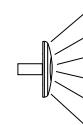
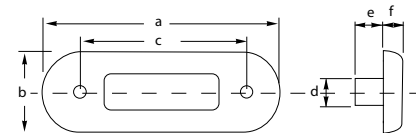
**Dimensions**  
a = 45mm / 1.77"  
b = 31.5mm / 1.24"  
c = 25.4mm / 1.00"  
d = 14mm / 0.55"  
e = 22.7mm / 0.89"



Light Colour	Chrome Plated Cap	White Plastic Cap	Stainless Steel Cap
White	2JA 958 126-001	2JA 958 126-011	2JA 958 126-031
Warm White	2JA 958 126-401	2JA 958 126-411	2JA 958 126-431
Blue	2JA 958 126-101	2JA 958 126-111	2JA 958 126-131
Red	2JA 958 126-201	2JA 958 126-211	2JA 958 126-231

## Surface Mount Oblong Courtesy Lamps

Lens Material	UV resistant enhanced impact Grilamid®
Cap Material	316 stainless steel
Cable	Pre-wired with 120mm of marine cable
Operating Voltage	Multivolt™ 12 / 24V DC
Power Consumption	0.5W ( <0.04A@12V / <0.02A@24V )
Protection	IP 67 (Completely Sealed)
Weight	35g (including cable)



Courtesy light pattern

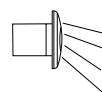
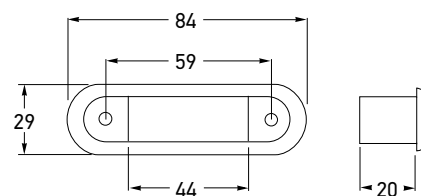
**Dimensions**  
a = 84 mm / 3.31"  
b = 29 mm / 1.14"  
c = 58 mm / 2.28"  
d = 10 mm / 0.39" Ø  
e = 10 mm / 0.39"  
f = 9 mm / 0.35"

Light Colour	Polished Stainless Steel Cap
White	2XT 980 869-301
Warm White	2XT 980 869-401
Blue	2XT 980 869-601
Red	2XT 980 869-501



## Flush Mount Oblong Step Lamps

Lens Material	UV and impact resistant plastic
Cap Material	316 Stainless Steel
Cable	Pre-wired with 120mm of marine cable
Operating Voltage	Multivolt™ 12 / 24V DC
Power Consumption	0.5W ( <0.04A@12V / <0.02A@24V )
Protection	IP 67 (Completely Sealed)
Weight	35g (including cable)



30° Step light pattern

Light Colour	Polished Stainless Cap	Satin Stainless Cap
White	2XT 959 680-811	2XT 959 680-851
Warm White	2XT 959 680-411	2XT 959 680-431
Blue	2XT 959 680-611	2XT 959 680-811
Red	2XT 959 680-711	2XT 959 680-731



# Slim Line Courtesy Lighting



Energy efficient Slim Line courtesy lamps can be installed almost anywhere on board.



Advanced lens technology provides a uniform spread of soft light without glare or eye strain. Each lamp is completely sealed, highly shock, impact and vibration resistant, perfectly suited for the demanding marine environment.

Hella marine courtesy lamps feature an ultra low energy consumption of less than 0.5W (less than 0.04A@12V). This provides safer installation into light weight materials where the heat of incandescent lamps may cause damage to the surrounding structure.

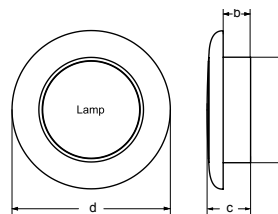


- Completely sealed housing
- Pre-wired with marine cable



## Round Slim Line Lamps

Lens Material	UV resistant enhanced impact acrylic
Rim Material	UV resistant plastic. 316 stainless steel
Dimming	Hella marine Dimmer 5XA 998 572-001
Cable	Pre-wired with 120mm of marine cable
Operating Voltage	12V DC or 24V DC
Power Consumption	<0.5W ( <0.04A@12V / <0.02A@24V )
Protection	IP 67 (Completely Sealed)
Mounting	Stainless steel screws included



### Dimensions

a = 50.0 mm / 1.97"  
 b = 13.0 mm / 0.51"  
 c = 21.0 mm / 0.83"  
 d = 75.0 mm / 2.95" with plastic rim  
 72.0 mm / 2.83" with stainless steel rim

### White Light Round Lamps\*

Rim Finish	12V Part Number	24V Part Number
Polished stainless rim	2XT 980 500-521	2XT 980 501-521
White plastic rim	2XT 980 500-541	2XT 980 501-541
Black plastic rim	2XT 980 500-551	2XT 980 501-551

\*Includes a surface mounting spacer ring and stainless steel screws.

### Warm White Round Lamps\*

Rim Finish	12V Part Number	24V Part Number
Polished stainless rim	2XT 980 500-721	2XT 980 501-721
White plastic rim	2XT 980 500-741	2XT 980 501-741
Black plastic rim	2XT 980 500-751	2XT 980 501-751

\*Includes a surface mounting spacer ring and stainless steel screws.

### Blue Light Round Lamps

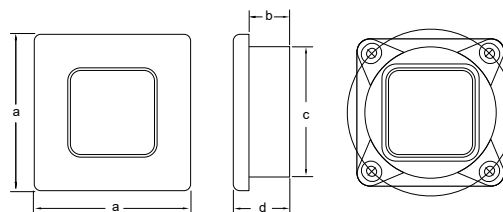
Rim Finish	12V Part Number	24V Part Number
Polished stainless rim	2XT 980 502-221	2XT 980 503-221
White plastic rim	2XT 980 502-241	2XT 980 503-241
Black plastic rim	2XT 980 502-251	2XT 980 503-251

### Red Light Round Lamps

Rim Finish	12V Part Number	24V Part Number
Polished stainless rim	2XT 980 507-221	2XT 980 508-221
White plastic rim	2XT 980 507-241	2XT 980 508-241
Black plastic rim	2XT 980 507-251	2XT 980 508-251

## Square Slim Line Lamps

Lens Material	UV resistant enhanced impact acrylic
Rim Material	UV resistant plastic. 316 stainless steel
Dimming	Hella marine Dimmer 5XA 998 572-001
Cable	Pre-wired with 120mm of marine cable
Operating Voltage	12V DC or 24V DC
Power Consumption	<0.5W ( <0.04A@12V / <0.02A@24V )
Protection	IP 67 (Completely Sealed)
Mounting	Stainless steel screws included



PCD = 63.5mm / 2.5"

### Dimensions

a = 60.0 mm / 2.36"  
 b = 16.0 mm / 0.63"  
 c = ø50.0 mm / ø1.97"  
 d = 22.0mm / 0.87"

### White Light Square Lamps\*

Rim Finish	12V Part Number	24V Part Number
Chrome plated rim	2XT 980 580-571	2XT 980 581-571
White plastic rim	2XT 980 580-551	2XT 980 581-551
Black plastic rim	2XT 980 580-541	2XT 980 581-541

\*Includes a surface mounting spacer ring and stainless steel screws.

### Warm White Light Square Lamps\*

Rim Finish	12V Part Number	24V Part Number
Chrome plated rim	2XT 980 580-771	2XT 980 581-771
White plastic rim	2XT 980 580-751	2XT 980 581-751
Black plastic rim	2XT 980 580-741	2XT 980 581-741

\*Includes a surface mounting spacer ring and stainless steel screws.

### Blue Light Square Lamps

Rim Finish	12V Part Number	24V Part Number
Chrome plated rim	2XT 980 582-271	2XT 980 583-271
White plastic rim	2XT 980 582-251	2XT 980 583-251
Black plastic rim	2XT 980 582-241	2XT 980 583-241

### Red Light Square Lamps

Rim Finish	12V Part Number	24V Part Number
Chrome plated rim	2XT 980 587-271	2XT 980 588-271
White plastic rim	2XT 980 587-251	2XT 980 588-251
Black plastic rim	2XT 980 587-241	2XT 980 588-241

# DuraLED Utility Lighting



DuraLED lamps are purpose designed for engine rooms and other heavy duty applications where reliability must not be compromised.



DuraLED lamps feature precision optics to disperse light in a very wide spread illumination without glare under decks and low vertical spaces.

Multivolt™ circuitry provides constant illumination and circuit protection on 12 or 24 volt DC systems, even under severe voltage fluctuations. Spike protection, reverse polarity protection and over-voltage protection are all built-in benefits of the sophisticated electronics inside.

The fastening load is taken up by a heavy duty nylon bush to eliminate possible stress on the lamp housing.

DuraLED 50LP is ISO Ignition Protected for safe and certified installation near flammable gas sources.



Completely sealed unit with a robust mounting system.

Lamp Type	DuraLED 12	DuraLED 20	DuraLED 36	DuraLED 50 LP	DuraLED 50 Red / White
Lux @1m	56 Lux	350 Lux	450 Lux	Spread 1650 Lux Wide Spread 375 Lux	660 Lux
Light Angle	120°	64°		Spread 36° Wide Spread 100°	64°
Colour Temperature	5000 K (White)				
Material Description	UV resistant enhanced impact acrylic				
Pre-wired Cable Length	500mm	2.5M			
Operating Voltage	9-33V DC				
Power Consumption	<2.5W (<0.20A@12V)	<4W (<0.33A@12V)	<7W (<0.51A@12V)	12W (0.10A@12V)	<10W (<0.8A@12V)
Weight (including cable)	115g	345g		450g	450g
Operating Temperature	-40°C to +60°C / -40°F to 140°F				
Protection	IP67 (Completely Sealed)				
Approvals	CE, ISO 8846 (Ignition Protection)				

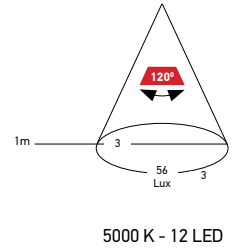
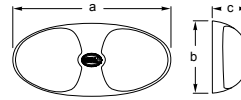
## DuraLED 12

Power Consumption	2.5W
Lux @ 1m	56
Beam Angle	120°

Light Colour	Switch	Non Switch
White	2JA 980 704-001	2JA 959 700-101



**Dimensions**  
 a = 140mm / 5.51"  
 b = 65.0mm / 2.56"  
 c = 32.0mm / 1.26"



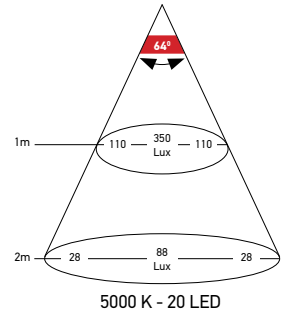
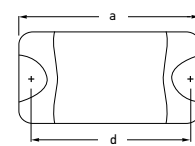
## DuraLED 20

Power Consumption	4W
Lux @ 1m	350
Beam Angle	60°

Light Colour	Spread lens
White	2JA 980 608-001



**Dimensions**  
 a = 177mm / 6.97"  
 b = 100mm / 3.94"  
 c = 30.0mm / 1.18"  
 d = 148mm / 5.83"



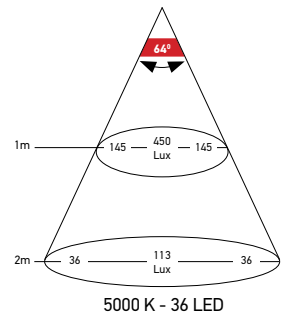
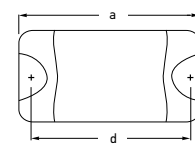
## DuraLED 36

Power Consumption	7W
Lux @ 1m	450
Beam Angle	62°

Light Colour	Spread lens
White	2JA 959 037-521



**Dimensions**  
 a = 177mm / 6.97"  
 b = 100mm / 3.94"  
 c = 30.0mm / 1.18"  
 d = 148mm / 5.83"



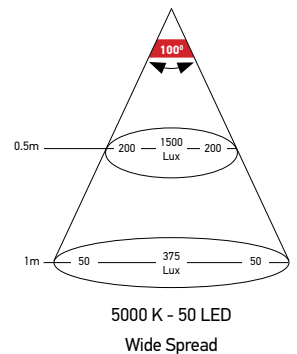
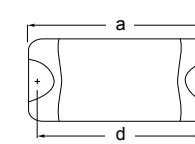
## DuraLED 50 Low Profile (LP)

Power Consumption	12W (White)
Lux @ 1m	Spread: 1650 Lux Wide Spread: 375 Lux
Beam Angle	Spread: 36° Wide: 100°

Light Colour	Spread lens	Wide Spread lens
White	2JA 980 629-001	2JA 980 629-501



**Dimensions:**  
 a = 222mm / 8.74"  
 b = 96mm / 3.78"  
 c = 25mm / 0.98"  
 d = 193mm / 7.60"



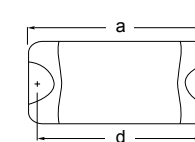
## DuraLED 50 Red / White

Power Consumption	10W (White)
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Light Colour	Spread lens
White / Red	2JA 980 604-061



**Dimensions:**  
 a = 222mm / 8.74"  
 b = 96mm / 3.78"  
 c = 31mm / 1.22"  
 d = 193mm / 7.60"



# FMS Low Profile Decklamps



**FMS low profile and powerful LED decklamps for integrated installations above side decks, along superstructures and more.**



Hella marine introduces the FMS, low profile, compact, yet powerful lamps purpose designed to integrate discretely into tight spaces and exterior recesses. With a protrusion of only 38mm (1 1/2 inches) the FMS is sleek and unobtrusive.

Two light intensities are offered, FMS Base with 1200 lumens, and the FMS Prime with a powerful 2500 lumens of even, close-range illumination directly underneath the lamp.

Hella marine LED technology is the answer for energy efficient, completely sealed, shock and vibration resistant lighting. Advanced electronics provide consistent illumination and circuit protection across a range of inputs from 9-32V DC for an ultra long service life.

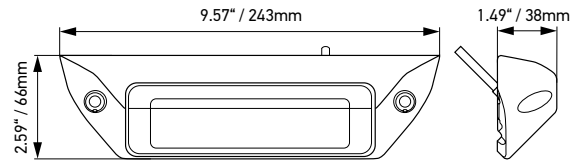


Completely sealed lamp and cable entry.

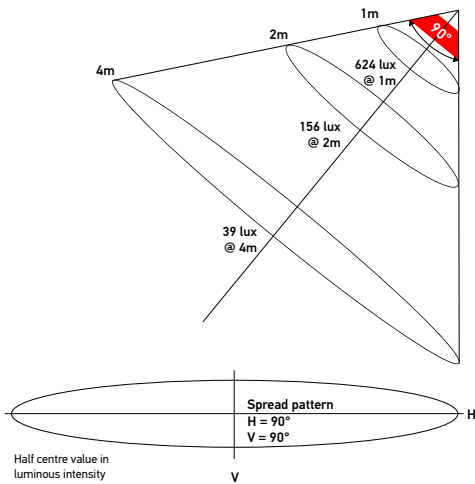


# FMS Decklamps

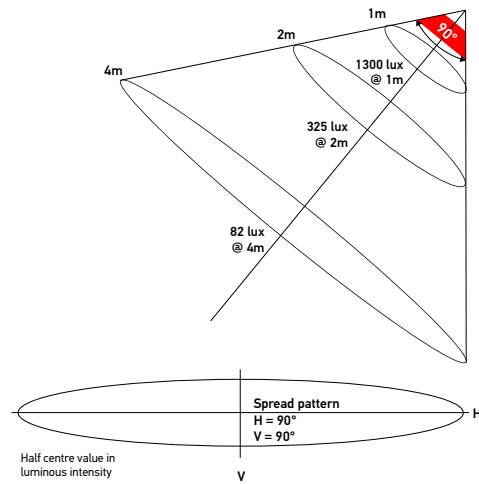
Housing Material	Die-cast aluminium, CoroSafe coating
Mounting	Surface mount
Lumen	FMS Base: 1200 lumen FMS Prime: 2500 lumen
Colour Temperature	6500K (White)
Cable	Pre-wired with 500mm cable
Operating Voltage	Multivolt™ 12/24V DC (9-32V DC)
Power Consumption	FMS Base: 14W (1.17A@12V DC / 0.58A@24V DC) FMS Prime: 28W (2.33A@12V DC / 1.17A@24V DC)
Protection	IP6K9K, IP6K8
Weight	600g



FMS Base Light Distribution



FMS Prime Light Distribution



Lamp Type	Black Housing	White Housing
FMS Base	1GB 996 098-001	1GB 996 098-501
FMS Prime	1GB 996 098-011	1GB 996 098-511



# Module 70 Floodlighting



Compact Module 70 LED flood lights provide an impressive intensity of 2100 lumens. The housing is finished in a premium Corosafe coating for proven resistance in extreme operating conditions.

Each Module 70 features a 'close to daylight' 6500K colour temperature. Working under this colour of light reduces the fatigue and eye strain sometimes caused by warmer colour halogen lighting.

Hand held Module 70 search lights are even brighter and vital tools for night sailing and essential for spotting looming obstacles from a safe distance, or dependable light in an emergency.

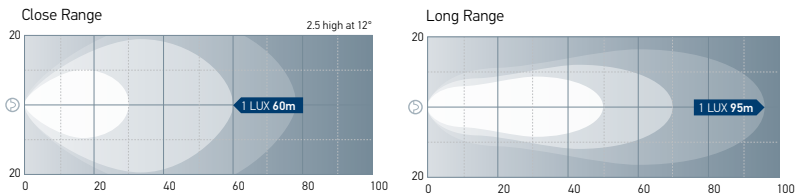
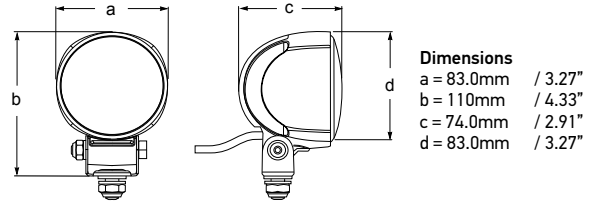


CoroSafe coating technology offers improved protection and is substantially more resistant to corrosion.



## Module 70 Gen 4

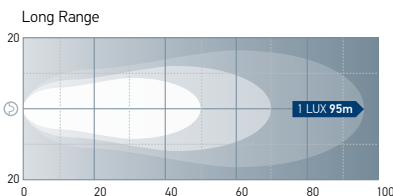
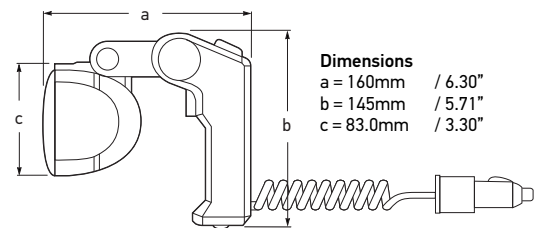
Housing Material	Die-cast aluminium, CoroSafe coating
Lumen	2100 lumen
Colour Temperature	6500K (White)
Cable	Pre-wired with 1m cable
Operating Voltage	Multivolt™ 9 -32V DC
Power Consumption	21W (1.75A@12V DC / 0.88A@24V DC)
Protection	IP6K9K, IP 6K8 (Completely sealed)



Lens Type	Black Housing	White Housing
Close Range	1G0 996 476-211	1G0 996 476-191
Long Range	1G0 996 476-221	1G0 996 476-201

## Hand Held Search Lights

Housing Material	Die-cast aluminium, CoroSafe coating
Lumen	2500 lumen
Cable	Spiral cable with cigarette plug (3.5m)
Operating Voltage	Multivolt™ 9 -32V DC
Power Consumption	30W (2.5@12V DC / 1.25A@24V DC)
Protection	IP6K9K, IP 6K8 (Completely sealed)



Lens Type	Black Housing
Close Range	1H0 996 476-512
Long Range	1H0 996 476-502

Deck mount  
base accessory  
8HG 998 519-001



# Sea Hawk Light Bars



Sea Hawk 470

Sea Hawk 350

High output flood lights in a sleek design offer incredible light intensity, efficiency and durability. Thermal polymer corrosion resistant housings provide an ultra long service life.



## Sea Hawk 470

The sleek and powerful Sea Hawk 470 range has four light options:

**Diffuse flood:** extremely wide and even illumination, ideal for areas where a broad amount of light is needed

**Close range:** Ideal deck flood light offering bright light to work under for tasks on deck, docking or loading

**Long range:** See further with the powerful long range focus, ideal for locating buoys or other objects in the water

**Combination:** Three light options of close range, long range or combined in one compact and versatile lamp

## Sea Hawk 350

2200 lumens across all versions without glare:

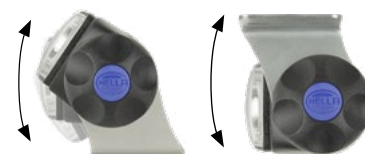
**Spread lamps** illuminate a wide, close-range spread over a cockpit, foredeck or working area.

**Spot lamps** provide a more concentrated illumination for tuna towers, yacht masts or forward facing lighting on a variety of applications.

**Pencil Beam lamps** have a narrower light angle for locating buoys, moorings and objects over longer distances.

### Integrated dual outputs

High output (2200 Lumens / 25W) and low light (220 lumens / 5W) intensity functions in both Spread and Spot lamps.



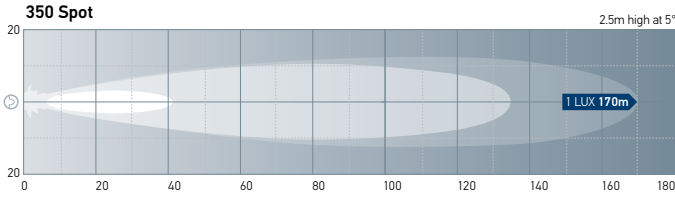
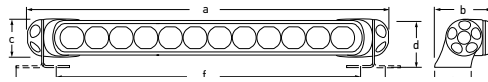
316 Stainless Steel bracket for upright or pendant mount

# Sea Hawk 350

Power Consumption	25W (High), 5W (Low)
Lumen	2200 (High)
Voltage	Multivolt™ 12/24V DC
Body Material	Corrosion proof thermal polymer
Lens Material	Heavy Duty Grilamid®

### Dimensions

a = 408mm (16.06")  
 b = 67mm (02.64")  
 c = 44mm (01.73")  
 d = 57mm (02.24")  
 e = 42mm (01.65")  
 f = 340mm (13.38")  
 (Mounting Hole)  
 g = 404mm (15.91")  
 (Mounting Hole)



Lens Type	Black Housing	White Housing
Spread	2LT 958 040-701	2LT 958 040-711
Spot	2LT 958 040-651	2LT 958 040-661
Pencil	2LT 958 040-221	2LT 958 040-231

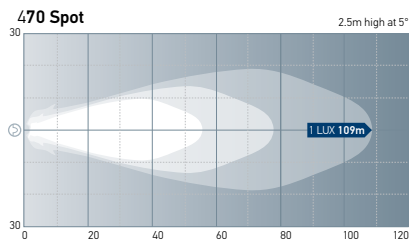
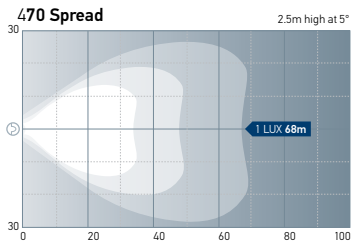
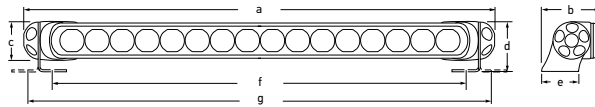


# Sea Hawk 470

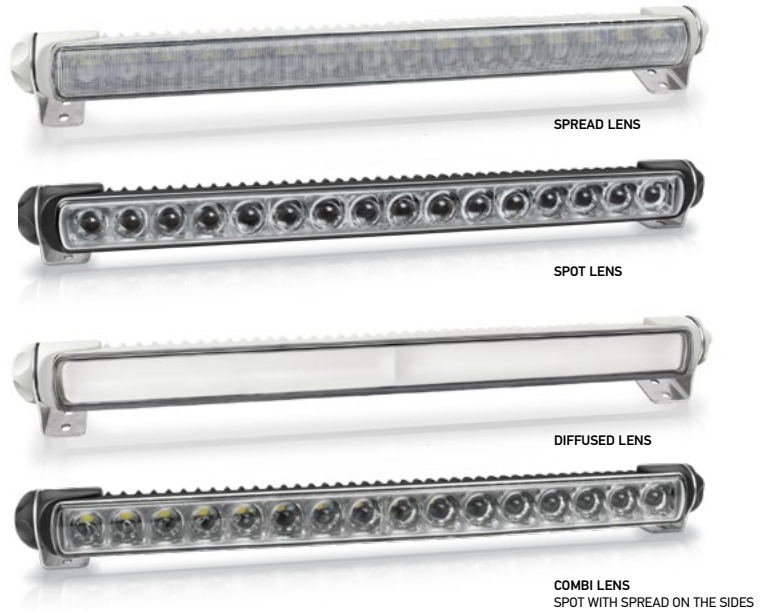
Power Consumption	36W (High), 4W (Low)
Lumen	3600 (Diffused) 2800 (Spot/Spread)
Voltage	Multivolt™ 12-24V DC
Body Material	Corrosion proof thermal polymer
Lens Material	Heavy Duty Grilamid®

### Dimensions:

a = 528mm (20.79")  
 b = 67mm (02.64")  
 c = 44mm (01.73")  
 d = 57mm (02.24")  
 e = 42mm (01.65")  
 f = 460mm (18.11")  
 (Mounting Hole)  
 g = 524mm (20.63")  
 (Mounting Hole)



Lens Type	Black Housing	White Housing
Spread	2LT 958 130-601	2LT 958 130-611
Spot	2LT 958 130-631	2LT 958 130-641
Diffused	2LT 958 130-501	2LT 958 130-511
Combi	2LT 958 130-441	2LT 958 130-451



**8HG 958 128-811 Accessory**  
 Optional double bracket enables multiple lamps to be stacked to increase the light output or spread of light.



# Sea Hawk XL Dual Colour Flood Lights



Sports fisherman, commercial operators, and ocean racers recognise the 'non-glare' night vision preservation advantages of red lighting.



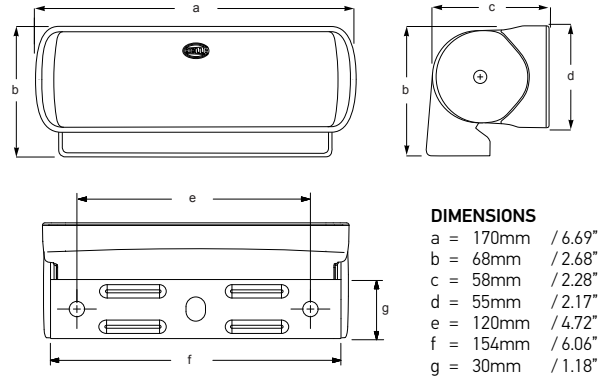
Two rows of bright white light are ideal when working, docking or landing the big one while the third row of secondary colour adds versatility. Red is perfect for preserving night vision, blue is a popular and attractive choice when point of difference is needed, while warm white creates added comfort to relax and integrate with interior lighting.

The Sea Hawk XL continues using the high technology materials. A heavy duty Grilamid® lens provides exceptional impact resistance. The unique thermal polymer housing distributes heat away from internal components and avoids potential corrosion issues associated with metal housings.

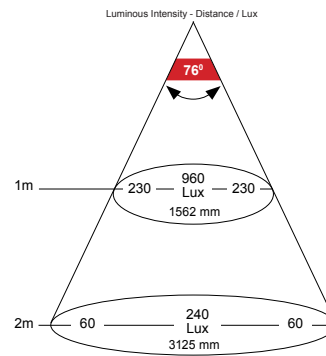
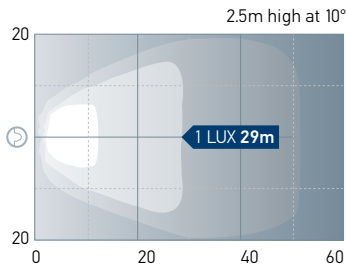


# Sea Hawk XL

Housing Material	Corrosion proof thermal polymer
Lens Material	Heavy duty Grilamid®
Bracket Material	316 Stainless Steel
Lumen	750 lumen
Colour Temperature	5000K (White), 2700K (Warm White)
Cable	Pre-wired with 2.5m marine cable
Operating Voltage	Multivolt™ 9-32V DC
Power Consumption	12W - White LEDs, 6W - Warm White LEDs, 6W - Blue LEDs, 3W - Red LEDs,
Protection	IP67 (Completely sealed)
Weight	750g (including cable)



## Beam Pattern Dual Colour-Spread



## Sea Hawk XL Dual Colour LED Flood Lights - SPREAD

LED Colours	Housing Colour	Part Number
White / Red	Black Housing	2LT 980 950-041
White / Red	White Housing	2LT 980 950-051

LED Colours	Housing Colour	Part Number
White / Blue	Black Housing	2LT 980 950-061
White / Blue	White Housing	2LT 980 950-071

LED Colours	Housing Colour	Part Number
White / Warm White	Black Housing	2LT 980 950-081
White / Warm White	White Housing	2LT 980 950-091



# Sea Hawk R & XLR Flood Lights



Energy efficient Hella marine Sea Hawk lamps are completely sealed, lightweight and ultra durable, offering powerful illumination.



## Unique Corrosion Proof Housing

The Sea Hawk range provides unmatched corrosion resistance due to an innovative thermally conductive polymer housing removing corrosion risks in the harsh marine environment.

Fully sealed against dust and water ingress  
Suitable for the harshest environments.

## Engineered light patterns

Advanced optical systems deliver incredible illumination without glare.

## Flexible mounting options

The light weight means less stress on mounting locations, and a versatile bracket means aiming the light is a simple affair.



Polished 316 stainless steel bracket.  
Completely sealed lamp and cable entry.



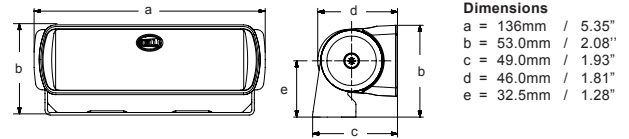
Friction mounts allow adjustment without tools  
on versions with stainless steel bracket.



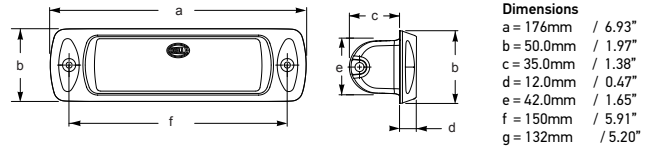
# Sea Hawk R

Material Description	Corrosion proof thermal polymer
Lens Material	Heavy duty Grilamid®
Bracket (0573 Series)	316 stainless steel
Light Output	550 lumen (White)
Colour Temperature	5000K (White)
Operating Voltage	Multivolt™™ 9-33V DC
Cable	Pre-wired with marine cable
Protection	IP 67 (Completely Sealed)
Power Consumption	7W ( 0.58A@12V / 0.29A@24V )

Sea Hawk R Bracket Mount



Sea Hawk R Recessed Mount



## Bracket Mount

Lens Type	Black Housing	White Housing
Spread	2LT 980 573-011	2LT 980 573-021



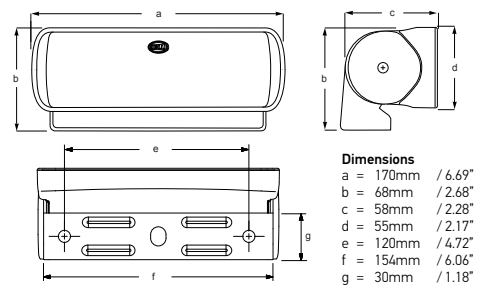
## Recessed Mount

Lens Type	Black Housing	White Housing
Spread	2LT 980 577-001	2LT 980 577-011



# Sea Hawk XLR

Housing Material	Corrosion proof thermal polymer
Lens Material	Heavy duty Grilamid®
Bracket Material	316 Stainless Steel
Lumen	1500 lumen
Colour Temperature	5000K (White)
Cable	Pre-wired with 2.5m marine cable
Operating Voltage	Multivolt™™ 12 / 24V DC
Protection	IP 67 (Completely Sealed)
Power Consumption	18W (High), 2W (Low)



Lens Type	Black Housing	White Housing
Spread	2LT 980 740-001	2LT 980 740-011



# RokLUME Floodlighting



Relentless Hella marine 'test to destruction' development programmes have lifted product reliability to new levels. RokLUME lamps endure the worst of vibration, shock and high impact torture tests.



Hella's optical engineering expertise provides highly effective illumination for working vessels. Option of two light patterns, close range or long range beam patterns offer a crisp white 'close to daylight' 5000K colour temperature. Working under this colour of light reduces the fatigue and eye strain sometimes caused by warmer colour halogen lighting.

Electromagnetic Compatibility (EMC) is an increasingly relevant safety concern for many emergency and industrial applications. As electronic devices such as LED lamps become more common, so does the risk of unintended electromagnetic interference (EMI) that can have adverse effects on other sensitive devices such as radios or communication equipment.

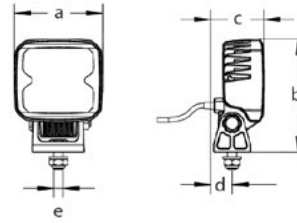


RokLUME 380  
316 stainless steel  
adjustable bracket  
firmly holds the lamp to  
withstand harsh vibration  
and impact.



# RokLUME 155 TP

Housing Material	Thermally conductive polymer
Bracket Material	Heavy Duty nylon bracket
Lumen	1200 lumen
Colour Temperature	5000K (Daylight White)
Power Consumption	15W
Operating Voltage	Multivolt™ 12-24V DC
Protection	IP6K7 & IP6K9K - (Protection against dust, prolonged water immersion and high-pressure / steam)
Cable	DT socket (counter plug supplied)
Weight	410g
Approvals	ECE R10, RCM



**Dimensions:**  
 a = 95mm / 3.74"  
 b = 144mm / 5.67"  
 c = 57mm / 2.24"  
 d = 23mm / 0.90"  
 e = 10mm / 0.39"

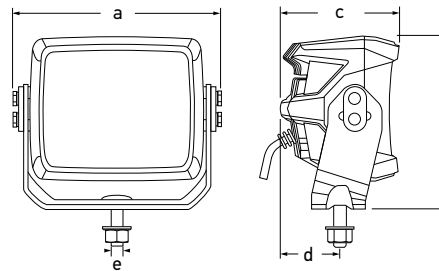
Lens Type	Part Number
Close Range	1GA 996 284-051
Long Range	1GA 996 284-061



Close Range

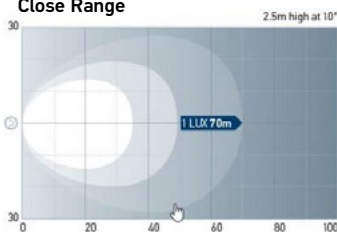
# RokLUME 380

Housing Material	Premium aluminium with NanoSafe coating for non-stick and easy to clean surface.
Bracket Material	Heavy Duty Stainless Steel
Lumen	7800 lumen
Colour Temperature	5000K (Daylight White)
Power Consumption	84W
Operating Voltage	20V - 32V DC (Nominal 24V)
Protection	IP6K8 & IP6K9K - (Protection against dust, prolonged water immersion and high-pressure / steam)
Cable	DT socket (counter plug supplied)
Weight	2.10Kg
Approvals	ECE R10, RCM

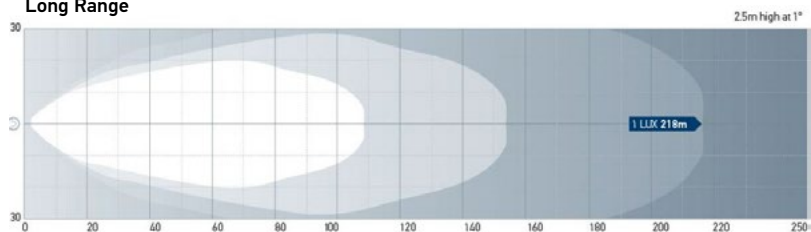


**Dimensions:**  
 a = 179mm / 7.05"  
 b = 148mm / 5.80"  
 c = 102mm / 4.01"  
 d = 51mm / 2.0"  
 e = 10mm / 0.39"

Close Range



Long Range



Lens Type	Part Number
Close Range	1GA 996 197-011
Long Range	1GA 996 197-021



Long Range

Close Range

# HypaLUME Floodlighting



**High performance technology for commercial vessels. Delivering up to 28,000 lumens, HypaLUME is the most powerful floodlight available from Hella marine.**



## High Performance

HypaLUME is designed for applications where high output lighting in extreme environments is required. HypaLUME lamps can produce a net output of up to 28,000 lumens whilst consuming less than 300W (AC versions).

## Engineered reliability

Comprehensive sealing and anti-corrosion measures have been taken to ensure HypaLUME lamps withstand the toughest conditions. The premium aluminium housing is corrosion resistant with a non-stick and easy to clean surface coating.

## Proven durable materials

The heavy duty Grilamid® lens offers unbeatable toughness against impacts and vibration while providing long term UV stability and resistance to commonly used chemicals for the entire life of the product.

## Benchmark working light colour

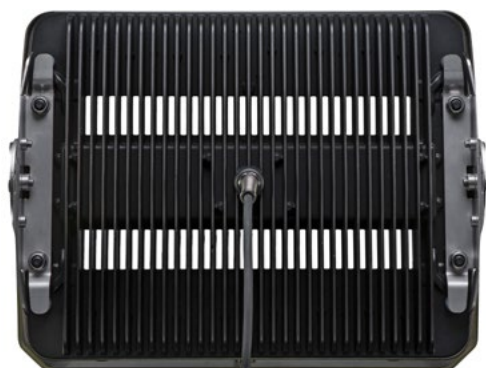
White 'close to daylight' 5700K colour temperature. Working under this colour of light reduces the fatigue and eye strain often caused by warmer colour halogen lighting.

## Secure installation

The ultra heavy duty 316 stainless steel bracket firmly grips the HypaLUME to withstand harsh vibration and impact while also providing easy vertical angle adjustment of up to 140°.

## Reliable in extreme conditions

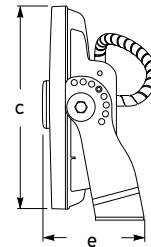
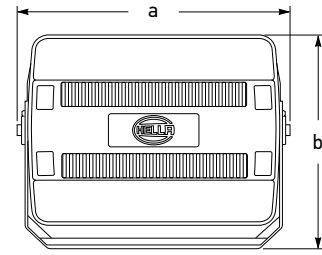
HypaLUME is purpose designed to operate over an extreme temperature range from -40°C to +50°C. Advanced thermal management works to support the class leading 5 year warranty.



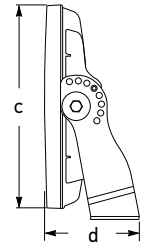
Heavy duty 316 stainless steel bracket allows vertical angle adjustment.

# HypaLUME

Operating Voltage	100 to 240V AC	22 to 50V DC
Power Consumption	300W max.	260W max.
Lumen	28000 lumen	25000 lumen
Protection	IP66 and IP67 (Protection against dust and high pressure water jets and temporary water immersion) Over-temperature protection	IP6K9K (Fully sealed against dust and high-pressure / steam jet cleaning) Advanced thermal management. Reverse polarity, transient spike and over voltage protection
Cable Length	Supplied with 2.0m of easy plug-in sheathed cable	Supplied with 1.8m of easy plug-in sheathed cable
Connection	Wieland RST Mini - 16A	4 Pin Deutsch plug
Approvals	CE, RCM, FCC, ISO 13766, CISPR25	



AC



DC

### Dimensions

110 / 230V AC

a = 520mm / 20.47"

b = 380mm / 15.9"

c = 359mm / 14.13"

e = 180mm / 07.08"

24 / 48V DC

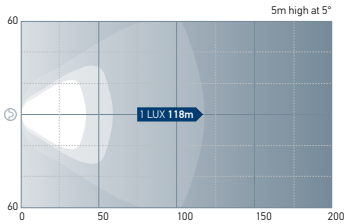
a = 520mm / 20.47"

b = 380mm / 15.9"

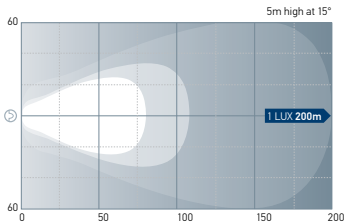
c = 359mm / 14.13"

d = 166mm / 06.54"

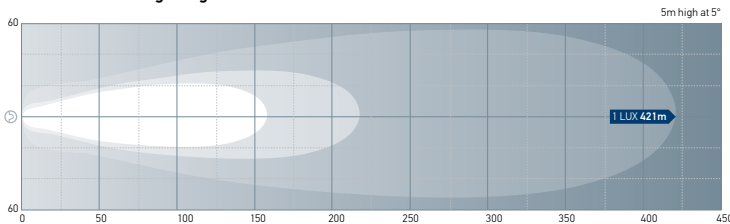
Beam Pattern **Extra Wide** 1GJ 958 334-031



Beam Pattern **Close Range** 1GJ 958 334-011



Beam Pattern **Long Range** 1GJ 958 334-021



## HypaLUME 110 / 230V AC LED Flood Lights

Lens Type	Part Number
Close Range	1GJ 958 334-011
Long Range	1GJ 958 334-021
Extra Wide	1GJ 958 334-031



Side view



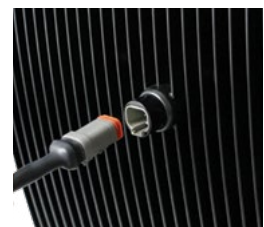
Rear view

## HypaLUME 24 / 48V DC LED Flood Lights

Lens Type	Part Number
Close Range	HMF2000CMOB
Long Range	HMF2000LMOB
Extra Wide	HMF2000WMOB



Side view



DT connection



## FlexaTec LED light strip



### Flexible light strip for homogeneous illumination

Made for industrial applications, the new flexible LED light strip from HELLA is available in two different lengths and can be combined up to 100 metres. FlexaTec is available in 220-240V AC and is made of a non-flammable material (PVC flammability class V0).

Operating voltage / rated voltage	220-240V AC / 50-60Hz
Light source type	LED
Power consumption	15 W per metre
Light output	1,500 lm per metre
Colour temperature	5,000 K
Protection class	IP 6K7
Operating temperature	-20°C to +40°C
Type approval	CB (IEC 60598-2-1:1979/AMD1:1987; IEC 60598-1:2014/AMD1:2017) Supplementary approvals: CRS, SAA)
Mounting	Quick fastening via specially designed clips
Connection	Cable with open end
Material	PVC (flammability class V0)
Dimensions	Width: 18 mm Height: 8 mm Length: can be combined up to 100 m

FlexaTec LED light strip			
Length	Mounting	Approval	Part Number
HELLA FlexaTec 10m	Fastening clips	CB and SAA	1GJ 995 181-201*
HELLA FlexaTec 100m	Fastening clips	CB and SAA	1GJ 995 181-601*

\* Includes fastening clips, end cap and connecting cable.

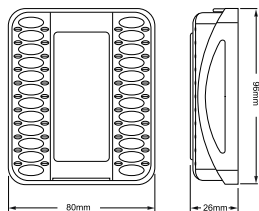
Spare parts set 9XD 990 181-011  
(includes fastening clips, end cap and connecting cable)



## Submersible LED Trailer Lamps



The full combination of functions are offered including LED stop, rear position and rear indicator lamps, number plate illumination plus an integrated 18cm<sup>2</sup> red reflector. Each lamp is completely sealed against dust and moisture ingress.



### 0720 Series LED Combination Lamps

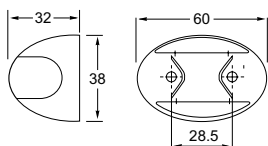


Lens Material	Heavy duty Grilamid® lens
Mounting	Horizontal or vertical
Operating Voltage	Multivolt™ 12/24V DC
Power Consumption	Rear position 1W, Indicator 2W, Stop 2W
Voltage Protection	Spike, Over Voltage and Reverse Polarity
Cable	0.5m Pre-wired with multi-core cable
Approvals	ADR compliant, ECE certified



Trailer Kit Contents	Part Number
1 x Rear Position / Stop / Indicator	2VB 980 720-811 (2395-TP)
1 x Rear Position / Stop / Indicator / Number Plate	

### LED Side Marker Lamps



Operating Voltage	Multivolt™ 8-28V DC
Power Consumption	<1W
Approvals	ADR 45/01



DuraLED Red / Amber Side Marker Lamps		
Quantity	Cable Length	Part Number
1 pcs	500mm	2PS 959 660-581 (2053)
4 pcs	2.5m	2PS 959 660-502 (2053BULK)

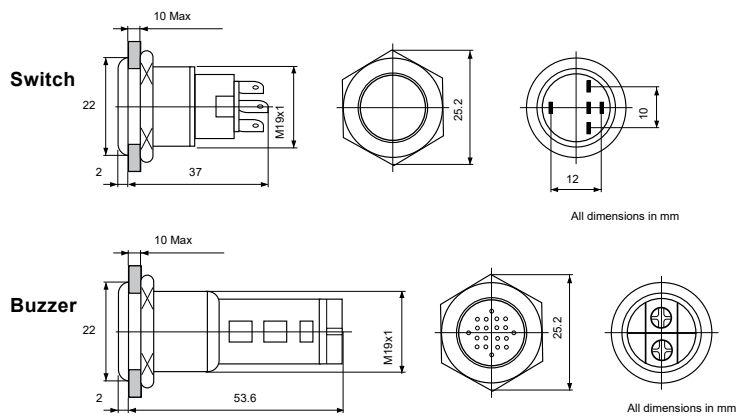
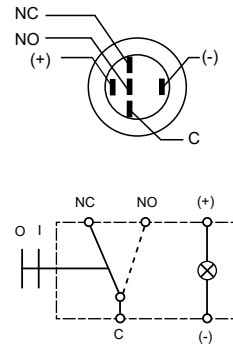
# Push Button Switches



**Attractive, exterior durable, stainless steel switches featuring an attractive ring of LED light.**

Manufactured from 304 stainless steel, these through panel mount switches are IP 67 rated when installed and ideal for switching lighting or installing into custom switch panels. The light rings may be wired to show power to a system or signal circuit activation. The range also includes matching stainless steel warning buzzers with LED light rings.

Button Material	304 Stainless Steel
Body Material	304 Stainless Steel
Contact Material	Silver Alloy
Terminal Type	5 Pin (2.8 x 0.5mm) switches 2 screws for buzzer
Panel Thickness	1~ 10mm
Operating Temp	-20°C~ +55°C
Insulation Resistance	≥ 1000mΩ
Contact Resistance	≤ 50mΩ
Max. Switch Rating	5A
Protection	IP 67 for switches IP 50 for buzzer
Buzzer sound intensity	>80dB (1m)



Latching Switches with LED Ring			
Light Colour	Voltage	Operation	Part Number
Red	12V DC	On / Off	8HG 958 455-001
Blue	12V DC	On / Off	8HG 958 455-011
Red	24V DC	On / Off	8HG 958 455-101
Blue	24V DC	On / Off	8HG 958 455-111

Momentary Switches with LED Ring			
Light Colour	Voltage	Operation	Part Number
Red	12V DC	Momentary	8HG 958 455-201
Blue	12V DC	Momentary	8HG 958 455-211
Red	24V DC	Momentary	8HG 958 455-301
Blue	24V DC	Momentary	8HG 958 455-311

Buzzers with LED Ring			
Light Colour	Voltage	Operation	Part Number
Red	12V DC	Buzzer	8HG 958 456-001
Red	24V DC	Buzzer	8HG 958 456-101

## Two Speed Hella marine Turbo Fans

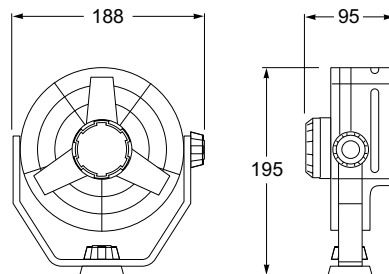


**Internationally respected Hella Turbo fans may be turned and pivoted in all directions and locked into position.**

- Quality German motor for quiet operation
- 150mm diameter fan blade with guard
- High air moving capacity with low power consumption
- Two speed switch in front of the blade guard
- Side, upright or pendant mounting



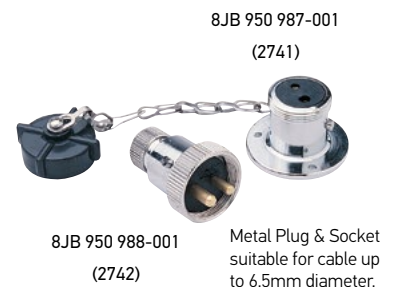
Material Description	Impact resistant plastic
Switch	Integrated 2 stage rotary
Output	Speed 1: 70 litre / sec. Speed 2: 95 litre / sec.
Power Consumption	6.5W
Installation	Pre-wired with 1.4m / 4.6ft of cable



Voltage	Housing Colour	Part Number
12V	Black Housing	8EV 001 361-001 (6100)
12V	White Housing	8EV 001 361-021 (6100-W)
24V	Black Housing	8EV 001 361-011 (6101)

## Water Resistant Plugs and Sockets

Plug Socket Type	Metal	Plastic
Material Description	Chrome brass housings Brass contacts	Impact resistant plastic housing. Silver contacts.
Maximum Load	22A at 12V	16A at 12V
Installation	Screw terminals	



Description	Pin	Material	Part Number
Socket	2 Pin	Chrome Brass	8JB 950 987-001 (2741)
Plug	2 Pin	Chrome Brass	8JB 950 988-001 (2742)
Plug & Socket	2 Pin	Plastic	8JB 006 801-802 (2782)



8JB 006 801-802 (2782) Plastic Plug suitable for cable up to 8.0mm diameter.

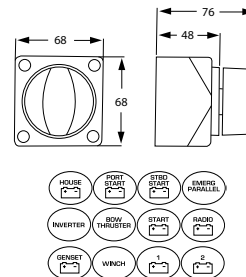
# Battery Master Switches

## 275 Amp Battery Master Switch



Contour Lock system with removable plates allows the switch to be a stand alone unit or locked together with other switches. The control knob cannot be removed whilst in an ON or OFF position, however, it can be removed by switching to an anti-clockwise 45° position. Suitable for surface or recess mounting by cutting a 52mm diameter hole.

Material Description	Impact resistant plastic. Copper studs.	
Termination Stud Size	2 x 10mm (3/4")	
Operation	ON / OFF	
Protection	IP 56	
Max. Load 12 / 24V DC	Continuous	275 Amps
	Intermittent	455 Amps (5 minutes)
	Cranking	1250 Amps (10 seconds)
Max. Voltage	48V DC	



### Part Number

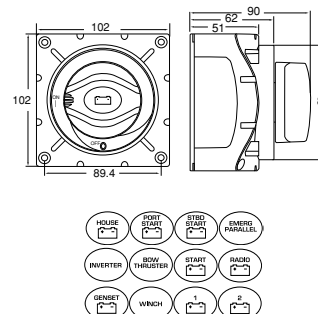
6EK 998 540-002 (4640)

## 600 Amp Battery Master Switch



Contour Lock system with removable plates allows the switch to be a stand alone unit or locked together with other switches. The control knob cannot be removed whilst in an ON or OFF position, however, it can be removed by switching to an anti-clockwise 45° position. Suitable for surface or recess mounting by cutting a 85mm diameter hole.

Material Description	Impact resistant plastic. Copper studs.	
Termination Stud Size	2 x 12mm (1/2")	
Operation	ON / OFF	
Protection	IP 56	
Max. Load 12 / 24V DC	Continuous	600 Amps
	Intermittent	800 Amps (5 minutes)
	Cranking	2500 Amps (10 seconds)
Max. Voltage	48V DC	



### Part Number

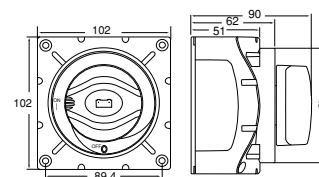
6EK 998 540-062 (4720)

## 350 Amp Battery Selector Switch



Contour Lock system with removable plates for connection from all sides. This allows the switch to be a stand alone unit or locked together with battery distribution modules. Necessary for on board systems fed from 2 or more batteries and whose supply comes from more than 1 generator. Rotary switch in 4 switch positions of battery 1-2-Both-OFF. Switch can also be pad locked. Suitable for surface or recess mounting by cutting an 85mm diameter hole.

Material Description	Impact resistant plastic. Copper studs.	
Termination Stud Size	3 x 10mm (3/4")	
Operation	1-2-Both-OFF	
Protection	IP 56	
Max. Load 12 / 24V DC	Continuous	350 Amps - B1 or B2
	Continuous	500 Amps - B1 and B2
	Intermittent	500 Amps (5 minutes)
	Cranking	1500 Amps (10 seconds)
Max. Voltage	48V DC	



### Part Number

6EB 998 540-202 (4721)



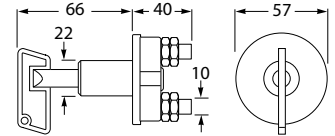
# Battery Master Switches

## 2843 Series - 150 Amp Battery Master Switch

Positive or negative cable can be switched as required.  
Key can be removed in the OFF position, current interrupted.

Housing Description	Impact resistant plastic
Cable Connection	2 screw terminals, M10
Protection	IP X4
Max. Load	12V / max. 1000A (10 seconds) 24V / max. 500A (10 seconds) (compliant with VDA 72750)

Part Number	Spare Key Number
6EK 002 843-057 (4650)	9SL 706 729-012 (4652)

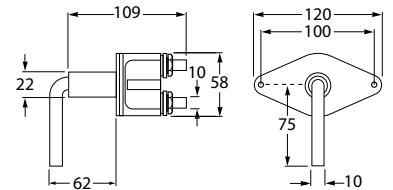
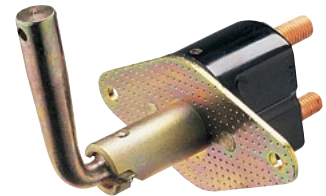


## 1559 Series - 100 Amp Battery Master Switch

Heavy duty switch for high loads.  
Key can be removed in the OFF position, current interrupted. Positive or negative cable can be switched as required.

Housing Description	Steel key and mounting plate
Cable Connection	2 screw terminals, M10
Protection	IP X4
Max. Load	12V / 24V max. 2500A (10 seconds)
Max. Continuous Load	12V / 24V max. 100A 24V / max. 2500A (10 seconds) (compliant with VDA 72750)

Part Number	Spare Key Number
6EK 001 559-002 (4653)	9SL 042 991-002 (4654)



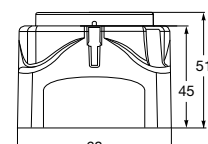
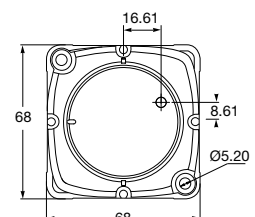
# Voltage Sensitive Relay



“Dual battery charging made easy”, the Voltage Sensitive Relay (VSR) allows two batteries to be charged at the same time. When the engine is started and the start battery reaches 13.7 volts, the VSR engages, allowing two battery banks (start and auxiliary) to be charged simultaneously. When the voltage drops below 12.8 volts (eg the engine is stopped), the VSR disengages, separating the batteries. This system eliminates the possibility of draining the start battery and protects sensitive electronic equipment powered from the auxiliary battery from harmful engine start up spikes.

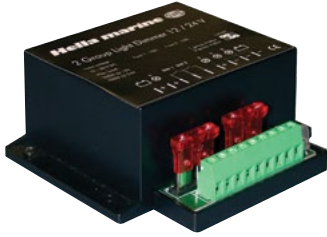
Housing Description	Impact resistant plastic. Copper studs.
Termination Stud Size	2 x 6mm (1/4")
Protection	IP 56
Voltage	12 / 24V DC
Max. Load 12 DC	140 Amps
Dimensions	68 x 68 x 50mm (W x D x H)

Part Number
4RD 980 830-001 (3099)





## 2 Group Light Dimmer

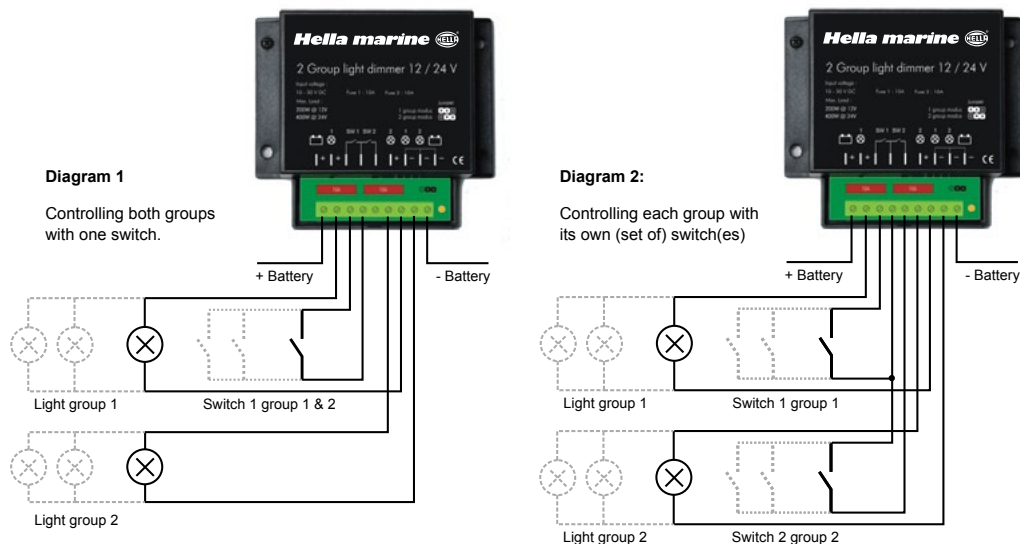
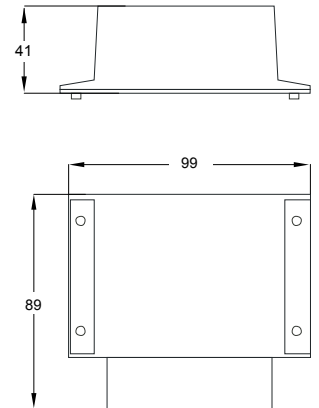


- Precise dimming control for 1 or 2 light groups
- Voltage regulation & 'soft-start' bulb protection
- Low voltage battery protection
- 12V and 24V DC

The 2 Group Light Dimmer provides precise dimming control for one or two separate light groups, and sophisticated voltage regulation with a 'soft-start' feature to lengthen the life of incandescent bulbs. The dimmer also provides low voltage protection against deep battery discharge.

The dimmers low voltage protection also protects against deep battery discharge. Lights will turn off automatically when battery voltage is lower than 9V on a 12V system or lower than 18V on a 24V system. Lights can be switched on again when the battery is charged and reaches 12V or 24V respectively.

Max. Load	200W at 12V and 400W at 24V
Max. Load Per Group	100W at 12V and 200W at 24V
Input Voltage Range	8 - 30V DC
System Voltage	12V or 24V DC
Number of Groups	2
Switches Per Group	Unlimited
Switch Type	Momentary normally open
Weight	140 grams
Protection	Overload, Temperature, Low voltage
Fuse	2 x 10A
PWM Frequency	400Hz



Part Number

5XA 998 572-001



**Hella marine**

## **Warranty - Standing behind the product**

HELLA Australia warrants all products from the date of purchase by the first-time end-user and covers defects in materials and/or workmanship only, and provided that the product is installed in accordance with our mounting instructions and by suitably qualified personnel. Warranty is valid from country of purchase only.

The goods are supplied strictly on the terms and subject to the condition that the buyer has satisfied itself of their suitability for its intended purpose.

The benefits given by HELLA Australia's warranty are in addition to other rights and remedies of consumers under a law in relation to the products to which our warranty relates; and

**Our goods come with guarantees that cannot be excluded under the Australian Consumer Law.**

**You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage.**

**You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. In the event of a minor failure, the company reserves the right to choose to repair or replace the product.**

Information supplied and printed in catalogues, specifications or other details on the product shall not constitute guarantees for condition or durability

### **Warranty Periods**

**All Hella marine LED lighting products (with exceptions<sup>^</sup>) carry a five (5) year warranty.**

**<sup>^</sup>Exception - Navi LED TRIO Tri colour LED navigation lamps carry a seven (7) year warranty.**

**All other Hella marine products carry a one (1) year warranty**



**Hella marine**

# APELO

Underwater Lighting Brilliance

Turn up the party, Select the mood,  
Switch on the fish magnets.



**30<sup>TH</sup>**  
**DAME**  
NOMINATED  
2021

Hella marine redefines entertainment lighting with Apelo. Advanced materials, optical intelligence and robotic manufacturing combine for superior underwater brilliance. Apelo is proudly designed and manufactured in New Zealand and backed by a 5 year warranty.

[www.apelobrilliance.com](http://www.apelobrilliance.com)

<b>5 YR</b> WARRANTY	<b>90°</b> WIDE SPREAD	<b>UV</b> RESISTANT
<b>MADE IN</b> NZ	<b>12/24V</b> MULTIVOLT	HELLA MARINE RECOMMENDS <b>PROSPEED</b>

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