



# HELLA New Zealand **SPOTLIGHT**

Bringing you the latest information from HELLA New Zealand

ISSUE #17 2018

## **DONE & DUSTED**

FINAL ROUND OF THE 2018 NZ RALLY CHAMPIONSHIP



**+**  
**SPOTLIGHT  
ON BUSINESS**  
**A&H Auto Electrical**



### **HYPALUME LED FLOOD LIGHT**

Designed for extreme  
environments - Page 5



**Howick and Maraetai  
Coastguard LED  
Lighting Upgrade**



**PLUS**

We discuss Electro Magnetic Interference (EMI)





# Howick and Maraetai Coastguard Safety LED Lighting Upgrade

The Howick and Maraetai Coastguard have both updated the exterior lighting on their rescue boats with Hella marine LED lighting.

Searching for vessels and performing rescues at night requires lighting that will perform in all conditions. Hella marine lighting was chosen because of the performance, reliability and durability of the lamps in the harsh marine environment.

Both now have new Sea Hawk-470 Light Bars installed as forward facing lighting in a double stack configuration for extra light output with the option to choose different beam patterns depending on the task required.

Howick Coastguard have also fitted Sea Hawk-XLB Light Bars on each side of the cabin top. These are being used to search the shore line and when coming alongside vessels.

The Sea Hawk-XLB Light Bars are strategically positioned so as not to create glare that could interfere with the night vision of the helmsman. For the cockpit, Sea Hawk-XL Dual Colour White/Red deck floodlights have been installed. The dual colour functionality offer the ability to change from a crisp white light, ideal when working in the cockpit securing the towline, then being able to switch to red light mode so that both helmsman can see the towline and water between the vessels without the glare of the white light.

Both the volunteer Coastguards are on call 365 days a year and at a moments notice, ready to rescue people and boats. Reliability and performance in the equipment is of utmost importance, this is why the coastguard have chosen Hella marine LED lighting.



Sea Hawk-XL Dual Colour



Sea Hawk-470 Light Bar



Sea Hawk-XLB Light Bar



Howick Beach Domain, 4R Granger Road, Howick 2014  
Howick New Recruits: [crewliaison@howickcoastguard.org](mailto:crewliaison@howickcoastguard.org)

**NOW LIVE**



## Bulb Configurator

Quickly find the right bulb for your vehicle

[www.hella.com/MicroSite/bulbs/nz/](http://www.hella.com/MicroSite/bulbs/nz/)





## A&H AUTO ELECTRICAL / JAYBEE AE

A&H AE and JayBee AE's qualified and skilled team provide mechanical servicing and repairs, a variety of electrical services, from air conditioning to diagnosing electrical faults, mobile repair service and are also an AA Licensed repairer. The team pride themselves on repeat business, a range of servicing options and growing their commercial customer database. Managing Director Ben Coote and the team are excited about the future with further expansion of the two businesses while maintaining professional and reliable service for their customers.

How long has the business been in operation?

The business was established in 1978 by Bevan Antonelli.

Who is the current owner?

Ben Coote has been the current owner and operator since 2016.

Have you moved or expanded premises?

Yes, after the first year our neighbour moved out and we saw an opportunity to remove a wall and expand into mechanical servicing.

How many staff are employed?

We have 7 staff across 2 branches plus a couple of extra's to call on when help is required. Rod (the foreman at A&H) is a specialist in anything automotive and is a real artist in fabrication.

What makes your business stand out?

What has worked for us is developing repeat business through servicing vehicles with a professional and price competitive repair, which gets customers in the door and returning frequently. We've also found ourselves pretty busy helping out commercial customers, which has grown in the past few years.

Why and how long has HELLA been a chosen brand to support?

It is the best product available and customers like the fact it has a 5 year warranty plus a lifetime warranty on the DuraLED® range. Bevan started the relationship with HELLA during his off shore power boat racing and it's just grown from there.

What are the future plans of the business?

Expansion! Our business plan is to acquire and grow other business interests. Keeping our customer base happy with a professional reliable service where utilising the latest technology is always our priority.



Ben Coote, A&H Managing Director



(Left to right) The A&H team, Clayton, Rodrigo, Joe, Ben



# SPECTATING IN THE ZONE

## RAGLAN RALLY OF THE COAST

The final round of the New Zealand Rally Championship concluded on the rugged West Coast town of Raglan famous for the Whaanga Coast stage.

The event kicked off with a ceremonial start and autograph signing session on the Friday night in the center of Raglan Township giving the locals and general public a chance to get up close to the teams and their cars.

Saturday saw crowds gather at the HELLA & Hyundai Spectator Zone for some spectacular views of the Whaanga Coast and more importantly front row seats

to all the rallying action. Sunshine, music, activities and BBQ refreshments made the Spectator Zone the place to be. Two rounds of dusty sideways action satisfied the crowds. HELLA would like to thank everyone for their gold coin donation for the BBQ and refreshments with all proceeds being donated to Ronald McDonald House to sponsor a family for Christmas.

A great day was had at the Spectator Zone with Hayden Paddon winning the event in his Hyundai i20 AP4+ car, Ben Hunt securing second place in his Subaru WRX Sti and Raana Horan in third driving the Skoda Fabia R5.







Rally fans took the opportunity to get up close with their favourite drivers for an autograph and the odd selfie.



## The HELLA Spectator Zone



Above: The Spectator Zone starting to fill up ready for the first round of cars.

Left: The HELLA BBQ was in big demand keeping the HELLA crew busy with all proceeds going to the Ronald McDonald House Charity.

# NZRC WRAP UP

A strong field of approximately 80 teams within 5 different categories contested the New Zealand Rally Championship to fight for the title of New Zealand Rally Champion 2018. The championship consisted of 6 rounds throughout the country from Otago, Whangarei, Canterbury, Coromandel and Raglan.

Hayden Paddon secured the championship at the penultimate round at Rally Coromandel in August with the final round remaining. The fight was on for second place between Ben Hunt and Josh Marston going into the final round at Raglan Rally of the Coast in October.



Ben Hunt really stood out all year with some cracking speed and a stage win to beat Haydon Padden at the South Canterbury event, going on to secure 2nd in the drivers championship.

The Ben Hunt Motorsport team also picked up the Best Presented Team of the Season and the 2018 NZRC Co-drivers Champion was awarded to Ben's co-driver Tony Rawstorn.



HELLA NZ received an award of appreciation for their continued support of New Zealand motorsport.



HELLA marketing team (Ian, Anita, Duncan)



## HYPALUME LED FLOOD LIGHT - HEAVY DUTY

The 24/48V DC HypaLUME has been designed for applications where high output lighting in extreme environments is required. The lamp produces a net output of 25,000 lumens at a voltage input range of 22-52V DC whilst consuming less than 260W.

Comprehensive sealing and anti-corrosion measures have been taken to ensure this lamp withstands the toughest conditions. The premium aluminium housing is corrosion resistant with a non-stick and easy to clean surface coating. 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 life of the product. The LEDs have a colour temperature of 5700K to provide a near daylight work environment that is optimal for fatigue avoidance and high alertness.

To view the full range please visit [www.hella.co.nz](http://www.hella.co.nz)



P/N 1GJ 011 872-501  
(Close Range Lens)



P/N 1GJ 011 872-511  
(Long Range Lens)



P/N 1GJ 011 872-521  
(Extra Wide Lens)



The Hypalume LED Floodlight is also available in 110-230V AC.



LIGHT &  
ERGONOMIC

## NOVA R COMPACT LED WORK LAMP

The ultra-slim and compact NOVA R is a rechargeable work lamp featuring the latest LED technology which delivers extremely high light output (up to 1500 lumens) with a uniform and even illumination. Light output can be adjusted using the built-in light dimmer with five brightness levels.

The NOVA R has a sturdy die-cast aluminium housing which is resistant to shocks and vibrations.

The ergonomically designed stand makes the NOVA R easy to carry and the position can be adjusted to provide the best lighting angle. The stand is equipped with powerful integrated magnets for easy mounting onto metal surfaces and is designed to be mounted on the already available Nova Tripod and Scaffolding Bracket. NOVA R also has a built-in power bank with USB outlet to charge mobile devices.

- ➔ Rechargeable LED work lamp
- ➔ Maximum light output - up to 1500 lumen
- ➔ Ultra-slim and compact design
- ➔ Light dimmable in 5 steps
- ➔ Adjustable stand
- ➔ Built-in power bank
- ➔ Durable for rough service use

P/N 2XM 910 426-131



Can be used as a USB Power Bank for charging devices (phone and phone cable not included).







AUCKLAND  
ON WATER  
**BOAT  
SHOW**



The end of September symbolised the start of the boating season and the date for the 20th Auckland On Water Boat Show which was held in the Viaduct Harbour.

Hella marine were in hall 3 with an extensive range of LED lighting solutions, all specifically designed for the harsh marine environment. Some of the latest products on display included the stylish EuroLED 95 down lights and extended range of Sea Hawk-470 Light Bars, now with Spot, Spread and Combination lens pattern options. Many visitors were also excited about the dual colour Sea Hawk-XL floodlights that increase functionality. The soon to be released NaviLED 360 PRO and NaviLED PRO Horizontal Mounting Adaptors were also revealed.

With fine weather and so much to see and do at the show the organisers reported record visitor numbers, up 12% from last year. This shows a genuine interest in boating and water activities and the start of a busy season for everyone involved in the marine sector.

Special thanks to all those that stopped by the Hella marine stand to say hello and check out the latest LED lighting options on offer. More product information can be found at [www.hellamarine.com](http://www.hellamarine.com)



Top Left: The soon to be released NaviLED 360 PRO

Left: The Sea Hawk-470 Light Bars now with Spot, Spread & Combination lens pattern options.



HELLA NZ Youtube channel  
<http://goo.gl/uVF4Jy>

## EXTREME PRODUCT TESTING

Before a new HELLA design is passed for production and sale, it has to pass stringent endurance tests. Every HELLA product is subjected to countless hours of rigorous testing where a range of extreme conditions are simulated. Our testing procedures include vibration, low and high temperatures as well as high levels of humidity and moisture ingress.

By creating a controlled -40 degree temperature we can monitor the products performance over a period of time. Whilst this is a serious part of our product testing process we decided to take it a step further and make the biggest ice cube our testing team had seen. Check out the video on the HELLA NZ You tube channel.





## EMI DANGERS FROM LED LIGHTS CAN BE PREVENTED

### Have you ever experienced radio or electronics interference when turning on your lights?

The United States Coast Guard recently published an alert detailing the effect of Electro Magnetic Interference (EMI). To help explain what all this means, it is important to understand that all active electronic devices, including LED products, create some degree of EMI. The danger in the marine sector comes when this interference occurs in the frequency range between 156 MHz and 165 MHz, used by marine VHF and AIS systems. This can potentially compromise communication, with major operational consequences posing a serious safety risk.

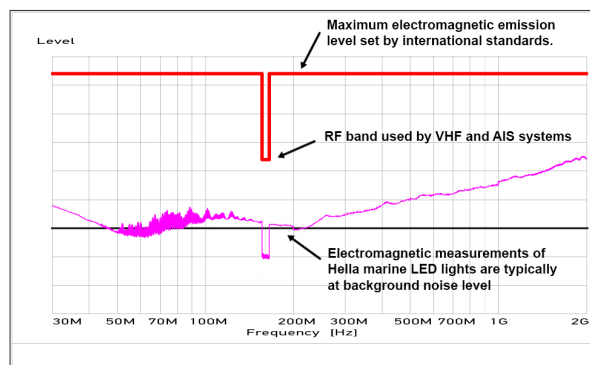
Hella marine has long been aware of the effects that EMI can have on other devices. Hella marine LED lighting products are designed, tested and certified to exceed international maritime EMI standards, paying special attention to the frequency range used by marine VHF and AIS systems.

Feedback from the industry suggests EMI is usually experienced when owners or operators replace bulbs or halogen globes with LED inserts. Although these LED replacement products may have CE certification it is possibly not for marine applications. For this reason, regional and international regulatory authorities have created specific maritime navigation and radio communications equipment standards for LED lighting used on boats.

Simple testing can identify whether there's a problem. Adjust your radio frequency till it is on the edge of a radio channel frequency and then systematically turn lights on and monitor any change to the clarity of the radio signal.

However the situation can be avoided altogether if owners choose LED products specifically designed to eliminate EMI. There are dozens of national and international standards addressing EMI however most are not designed for, and don't take into account, the unique environment of marine applications.

For more information on EMI and how Hella marine products avoid such issues visit: [www.hellamarine.com/en/blog/us-coast-guard-alert-leds-and-emi.html](http://www.hellamarine.com/en/blog/us-coast-guard-alert-leds-and-emi.html)



Hella marine LED lighting is specifically designed for international marine standards and to not interfere with VHF and AIS frequency ranges 156 MHz - 165 MHz.



### United States Coast Guard Alert

The United States Coast Guard (USCG) recently published an alert detailing the effect of Electro Magnetic Interference (EMI) caused by some LED products, and the potential for electronic communication interference.

Find the full report here, [bit.ly/2PPRK50](https://bit.ly/2PPRK50)

### The Howick Sailing Club

The Howick Sailing Club recently purchased new optimist dinghies for their junior Learn to Sail and Waterwise programmes.

Hella marine are passionate about water safety and value the sailing skills and life lessons learnt in

these programs so have proudly sponsored 3 boats in this fleet.

For more information on the HSC Learn to Sail program visit [www.howicksailingclub.co.nz](http://www.howicksailingclub.co.nz) or visit Waterwise at: [www.waterwise.school.nz](http://www.waterwise.school.nz)

