

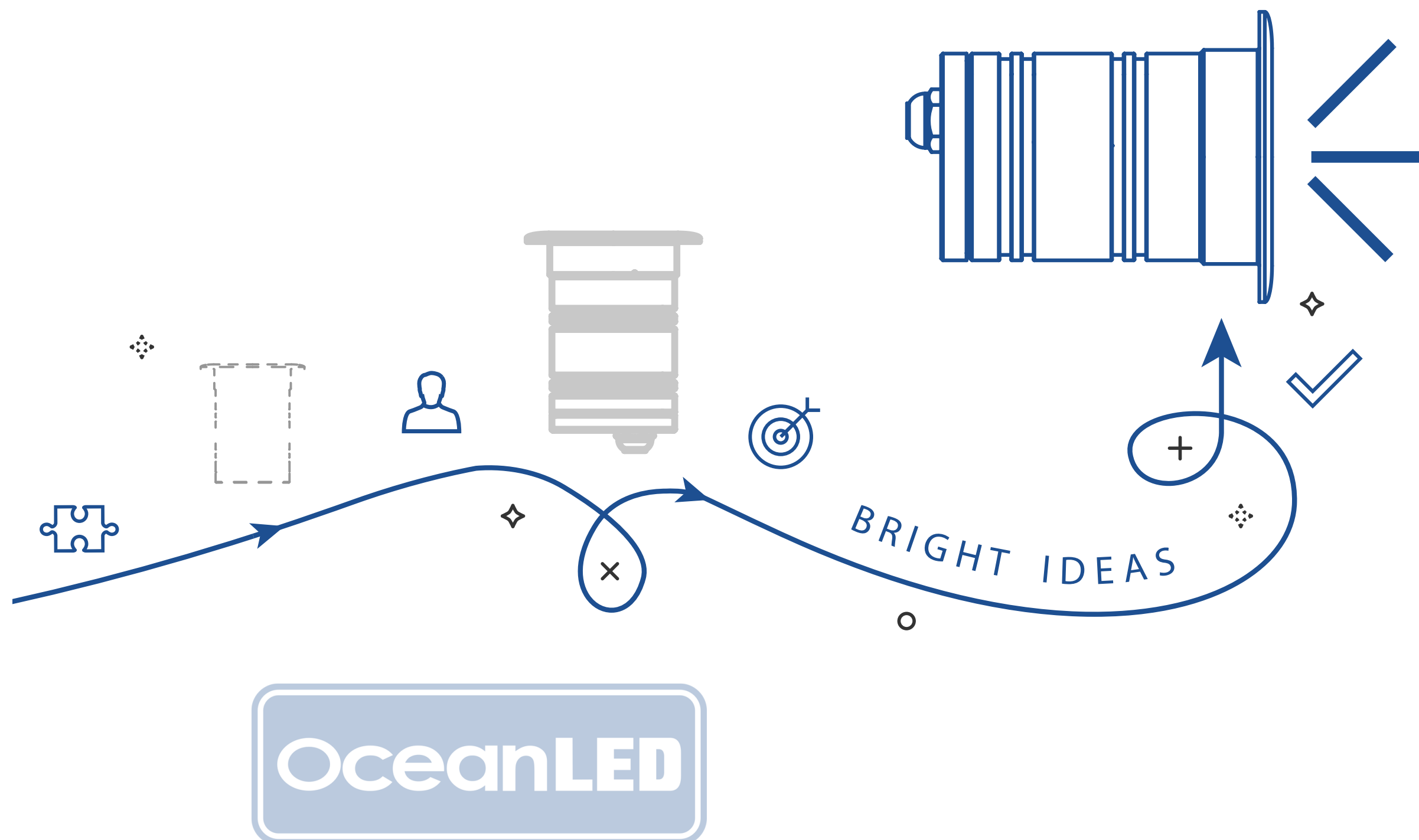
# Underwater Lighting For A Sustainable Future

*Daniele Todaro, Group Managing Director,  
OceanLED*

**OceanLED**



# Innovation

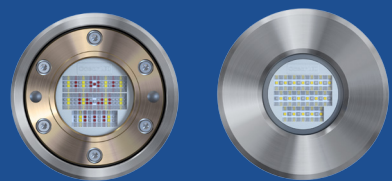
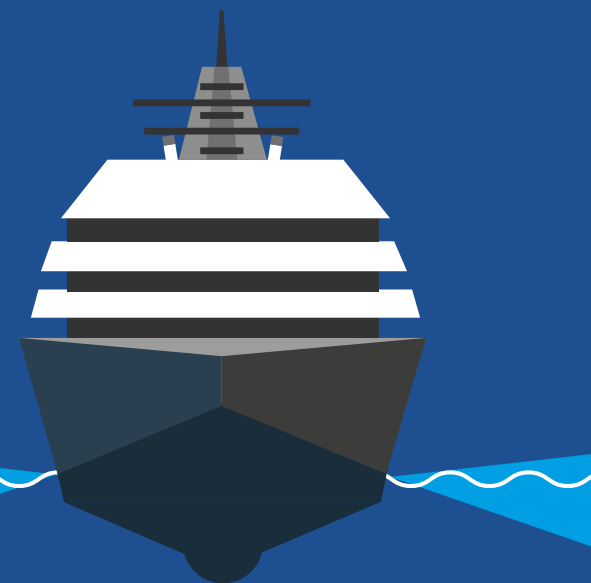


At OceanLED, we continuously strive to be recognised as the most innovative designer and manufacturer of underwater lighting solutions.

Our vision is to become known globally as the most professional, innovation-led, sustainable lighting provider and to be a beacon of quality British innovative design, product development and manufacturing.

## OceanLED Explore Series Weld-in

## Alternative Weld-in



Using OceanLED  
Explore Weld-in Series

Saving Of 4500 kWh total per year

Which equates to 1.2x average  
uk household power consumption



50 installed Lights  
Yearly Average Use  
OceanLED = 10,500 kWh



50 installed Lights  
Yearly Average Use  
Alternative = 15,000 kWh

**OceanLED**

All our products are designed in-house and with the tenet of maximum output and effect for minimal energy use.

From our first lights in 2014 through to our current generation, OceanLED was the first company to use LED for underwater lighting, recognising the benefits to the marine environment of moving away from HID Lighting. Since then, the industry has followed suit and is predominantly LED driven.

All our lights are custom built in-house and are designed to operate to maximum efficiency, both in light output and power consumption. Our research allows us to develop a unique range of optics to produce controlled and efficient lighting, which help to reduce the environmental footprint by using no more energy than necessary and limiting heat output into the ocean.

This resource-consciousness is at the heart of our company vision and is a core element of our aspiration to be the most sustainable lighting provider in the industry.

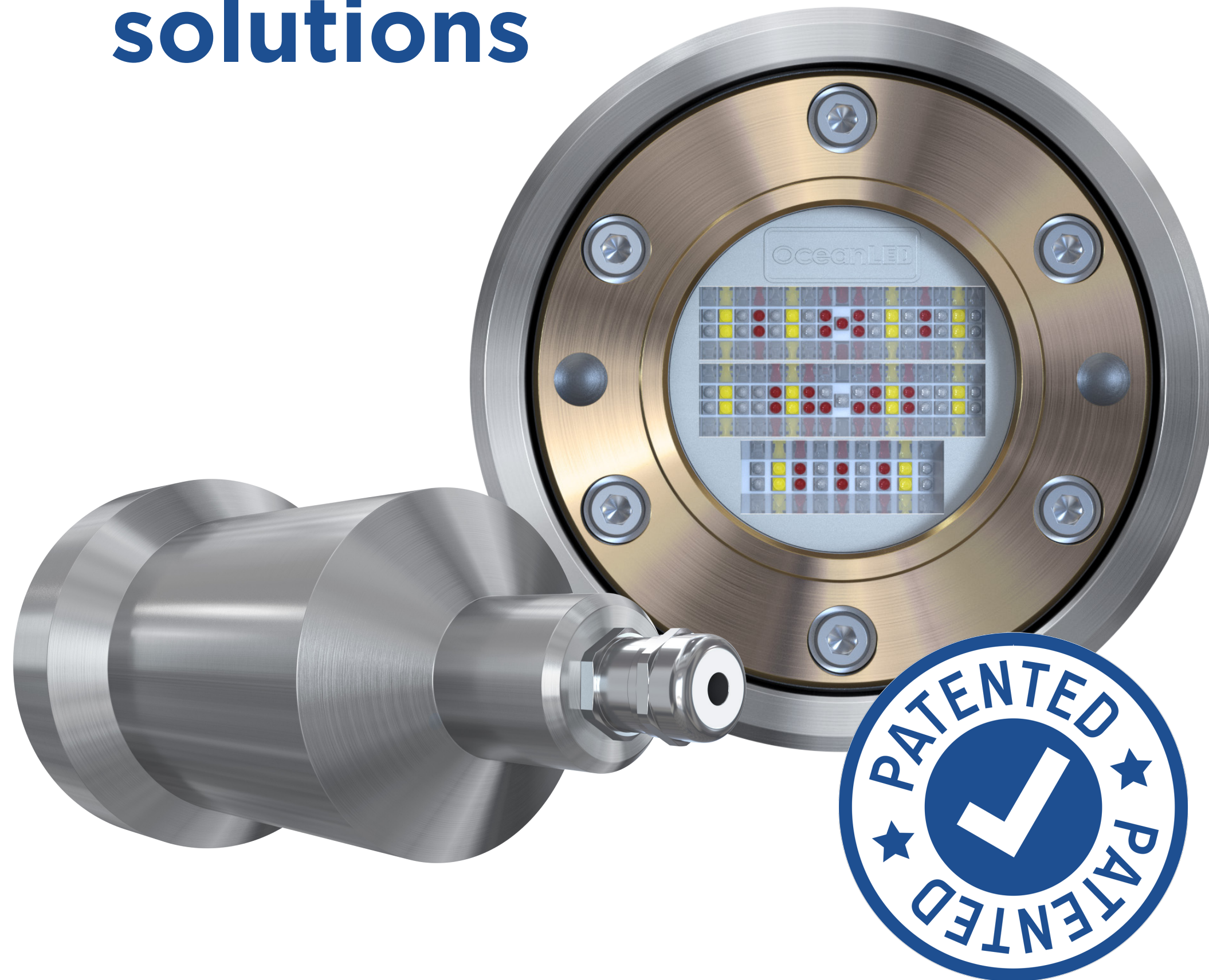
**We follow this sustainable ethos in everything we do by developing virtual online product demonstrations to cut down on travel, working closely with our suppliers to ensure their practices are in-line with our sustainability practices and aspirations and critically assessing our operations, including areas such as energy consumption and choice of packaging and distribution options.**

**As well as working with direct suppliers, we are committed to developing our supply chain, reviewing options for more sustainable source materials and manufacturing processes at every stage in the chain to consider our total impact on the planet through the components we source.**

**OceanLED**

# **Commitment to Sustainability**

# Eco-Sustainable solutions



Since the beginning of 2021, at OceanLED, we have been very active in launching new innovative and eco-sustainable solutions. Explore E9 was the first product launched in 2021, which, protected by patent, provides solutions in a very compact design that had never been approached in the industry for large metal boats.

The product can be connected in water without the use of cables using advanced and extremely robust technology.

Furthermore, E9 uses the unique technology of controlling the light beam through advanced optics that have always distinguished OceanLED.

This milestone has allowed the brand to provide a unique and unrivalled solution, and at the same time, reduce the use of components and raw materials to produce a product that is as environmentally sustainable as possible.

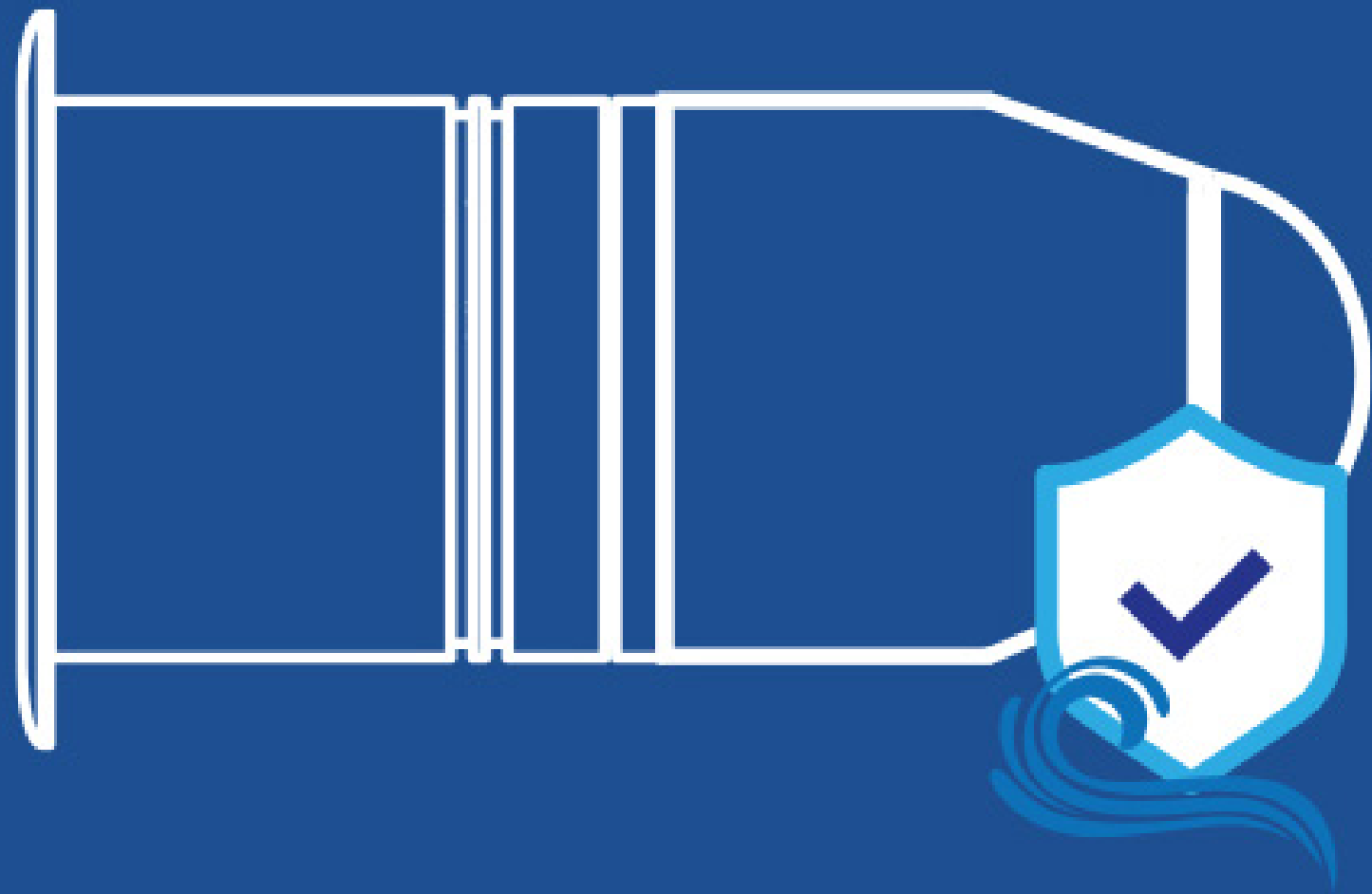
**We have launched other unique solutions in the underwater lighting market, such as IP69k protection, which guarantees the highest possible degree of protection in terms of water penetration.**



## **IP69k Water Ingress Protection**



# Explore XFM Rear Enclosure



OceanLED

**The Explore XFM Rear Enclosure which fits neatly to the rear of the Explore E3, E6 or E7 and provides protection from temporary submersion inside the hull.**

**The new OceanDMX  
RC Controller and  
other solutions that  
will continue to be  
introduced during the  
following months.**

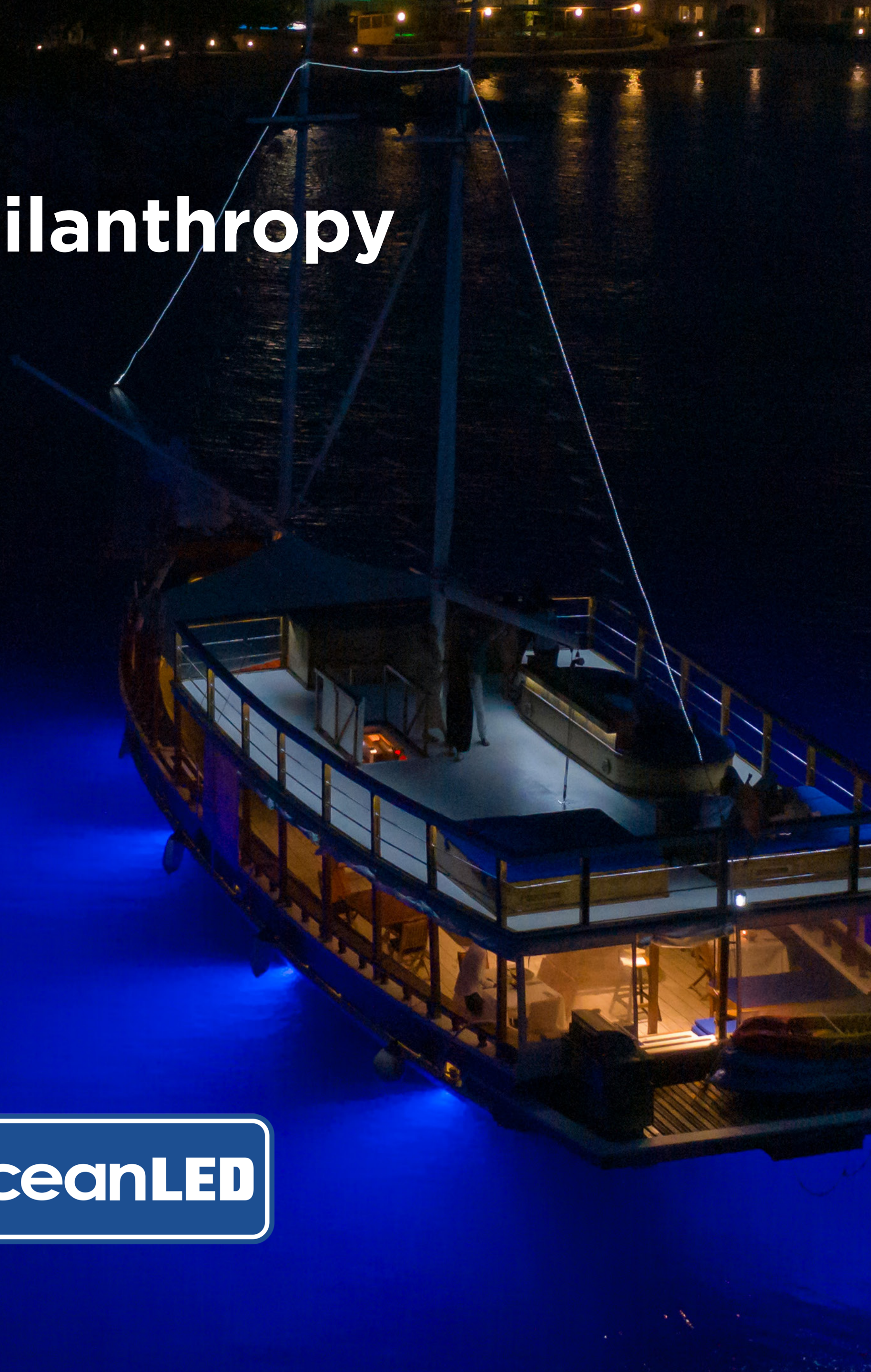


## **RC Remote Control**





# Philanthropy



**OceanLED**

OceanLED is engaged in philanthropic activities; for example, the image on the left depicts the sailing yacht “Spirit of St. Maarten” which was created to support charitable activities in the Caribbean island of St. Maarten.

The Spirit of St. Maarten project aims to promote eco-sustainable activities, allowing non-profit organisations to financially support themselves in innovative ways.

The yacht’s hull presented a particular challenge in producing an even underwater lighting effect; however, at OceanLED we are known for our ability to offer unique solutions, even more, when we are presented with the opportunity to contribute to such an honourable project initiative.

The solution used in this case was Explore E7, the only XFM (Exchangeable Flush Mount) product capable of angling the light beam to produce the best possible lighting effect for challenging hulls.

**We are on a journey of continuous improvement, and we are always open to understanding more about our impact on our precious natural environment, especially the marine environment in which we operate.**

**We have a clear intention to constantly develop sustainable and innovative technology and invest in R&D with our natural environment and the circular economy in mind.**

**We are a proud partner of the Water Revolution Foundation as part of a range of tangible collaborations, projects and efforts through which we can learn, develop and engage with the marine community.**

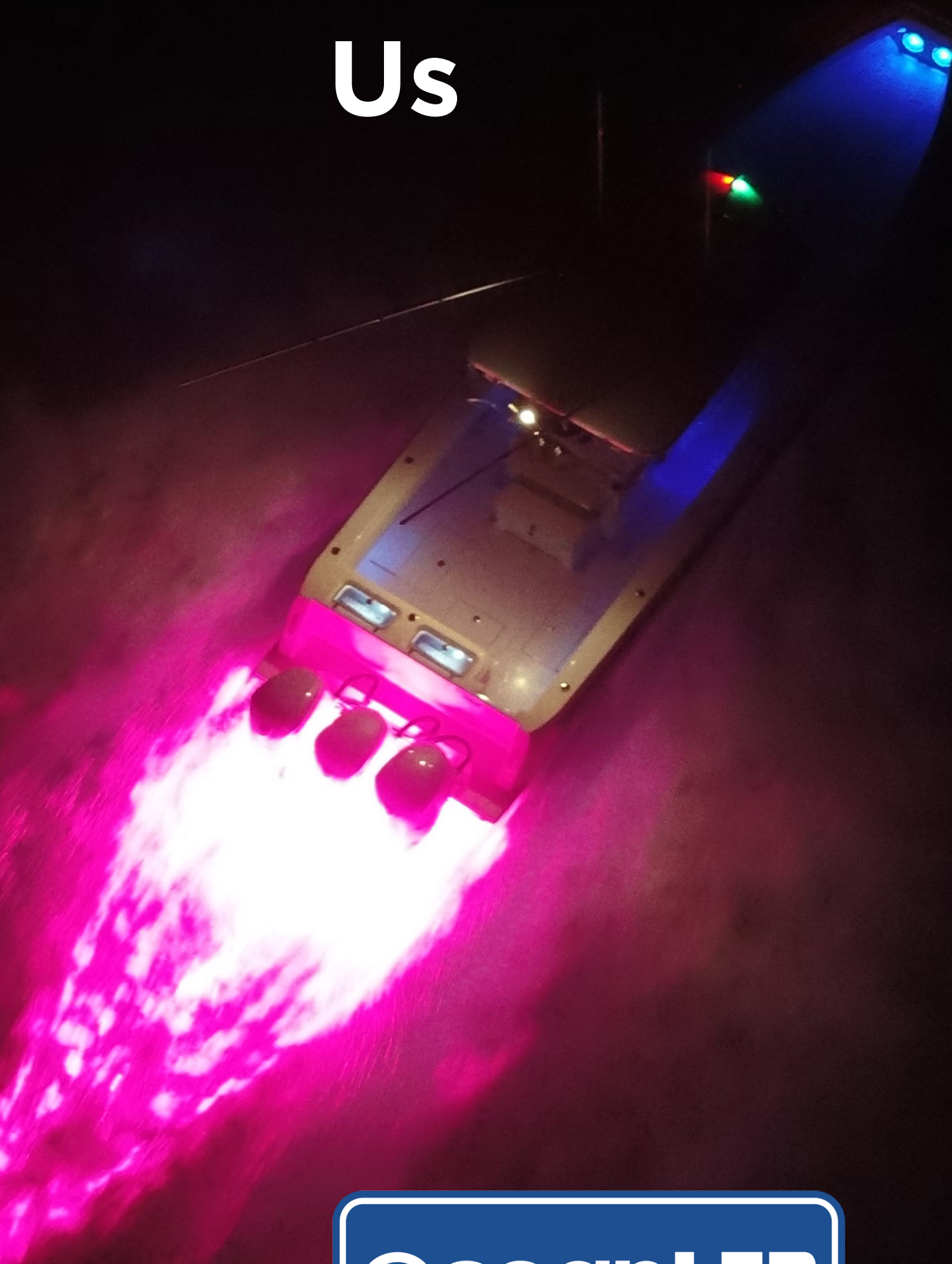
**From smaller vessels to the most modern sailing and motor yachts, we believe that by working in partnership with naval architects, shipyards and project managers, we can add value, working towards the common goal of improving our long-term impact on our planet.**

**OceanLED**

# **A Constant Journey of Development**



**Contact  
Us**



**OceanLED**

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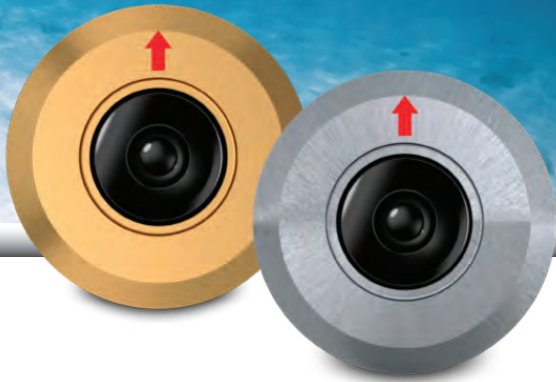
MOUNTING TYPE	SURFACE MOUNT			SURFACE MOUNT			XCHANGEABLE FLUSH MOUNT		THRU HULL / XCHANGEABLE FLUSH MOUNT		
SERIES NAME	<b>X-SERIES</b>			<b>SPORT SERIES</b>			<b>EXPLORE</b>		<b>PRO SERIES HD GEN2</b>		
MODEL	X4 	X8 	X16 	S3116S 	S3124S 	S3166S 	E3 	E6 	2010 HD Gen2 	3010 HD Gen2 	COLOURS HD Gen2 
COLOUR											
FIXTURE LUMENS	 Up to 1,150*	 Up to 2,300*	 Up to 4,500*	 Up to 5,000*	 Up to 3,000*	 Up to 3,500*	 Up to 5,000*	 Up to 11,000*	 Up to 7,000*	 Up to 11,000*	 Up to 7,000*
BEAM SHAPE	 Circular	 Circular	 Circular	 Rectangular	 Rectangular	 Rectangular	 Rectangular	 Rectangular	 Elliptical	 Elliptical	 Elliptical
OPTIC TYPE	 Collimator	 Collimator	 Collimator	 Reflector	 Reflector	 Reflector	 Reflector	 Reflector	 Collimator	 Collimator	 Collimator
TOP BEAM ANGLE	 60°	 60°	 60°	 90°	 90°	 90°	 90°	 90°	 60°	 60°	 60°
SIDE BEAM ANGLE	 60°	 60°	 60°	 20°	 20°	 20°	 20°	 20°	 20°	 20°	 20°
RECOMMENDED BOAT SIZE											
RECOMMENDED SPACING	0.5-1M (2-4')	0.5-1M (2-4')	0.5-1M (2-4')	0.5-1M (2-4')	0.5-1M (2-4')	0.5-1M (2-4')	0.5-1M (2-4')	2.5-3M (8-10')	1.5 - 2.5M (5 - 8')	2.5-3M (8-10')	1.5 - 2.5M (5 - 8')
RECOMMENDED INSTALLATION DEPTH (TO TOP OF FIXTURE)	15-25CM (6-10")	15-25CM (6-10")	15-25CM (6-10")	15-25CM (6-10")	15-25CM (6-10")	15-25CM (6-10")	15-25CM (6-10")	15-25CM (6-10")	15-25CM (6-10")	25-30CM (10-12')	25-30CM (10-12')
AVAILABLE IN 12 / 24V DC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
AVAILABLE IN 110 / 240V AC 50/60 HZ							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
APPROX. LIGHT PENETRATION IN PERFECT WATER	UP TO 13M (45')	UP TO 22M (72')	UP TO 30M (100')	UP TO 31M (102')	UP TO 25M (82')	UP TO 25M (82')	UP TO 25M (82')	UP TO 39M (128')	UP TO 45+M (140')	UP TO 50+M (165')	UP TO 45+M (140')
DMX COMPATIBLE		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
COLOUR SCROLL / ADVANCED MODES		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>

\* FIXTURE LUMENS RATING IS A MEASUREMENT OF TOTAL WHITE LIGHT OUTPUT FROM A COMPLETE (AS SOLD) LIGHT FIXTURE USING LABORATORY STANDARD, CALIBRATED PHOTOMETRIC MEASURING EQUIPMENT.



# EYES HD Ocean Camera

HD GEN2 EYES SERIES



NEVER MISS A MOMENT

## UNDERWATER VIEW IN HIGH DEFINITION

EYES HD Ocean Camera can be mounted anywhere, add it to your CCTV system or mount it on your cockpit for a view of your winning catch. Install on fiberglass, GRP, wooden hulls, or aluminum/steel hulls.

- Available with a SS or Bronze Bezel
- Full 1080P HD
- HD-SDI Output
- Simple to Install

### TECHNICAL

Minimum Illumination	0.1 LUX
Minimum-Maximum operating voltage DC	9-14V DC
Current / Amp draw (DC)	12V DC 110mA MAX
Effective Pixels	1984 (H) x 1105 (v)
Video Output	HD-SDI @ 30fps
S/N Ratio	More than 50dB
Minimum Exposure Time	1/60,000sec
Lens	3.7mm

### BOX CONTENTS

- EYES Ocean Camera
- 10m / 30' foot extension cable
- Power in plug-and-play harness
- Locking Kit
- 12v DC Current Regulator
- Installation Guide

### PART ACCESSORIES

001-500339	EYES Delrin Sleeve (for metal hull installs)
011807	10M Extension cable for HD and NTSC
011808	20M Extension cable for HD and NTSC
011809	HDSDI to HDMI Converter



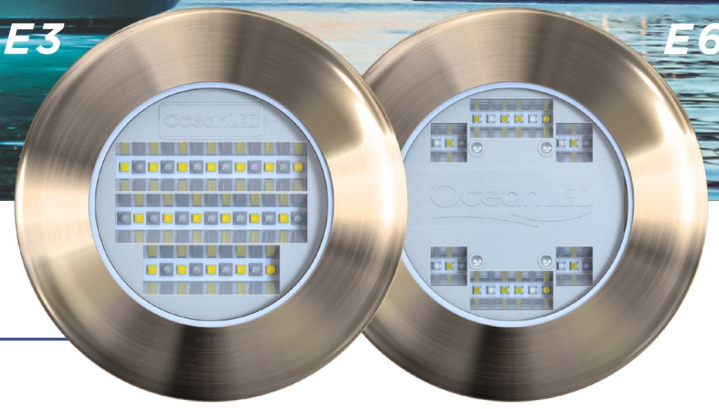
For more information please contact your Sales Representative call (954) 845-0411 or e-mail [reps@haimescolemangrp.com](mailto:reps@haimescolemangrp.com)

LIGHT. *YEARS AHEAD.*  
[www.oceanled.com](http://www.oceanled.com)



E3

E6



# EXPLORE *SERIES*

AVAILABLE:    



Up to 11,000  
Fixture Lumens



90°  
Top Beam



20°  
Side Beam



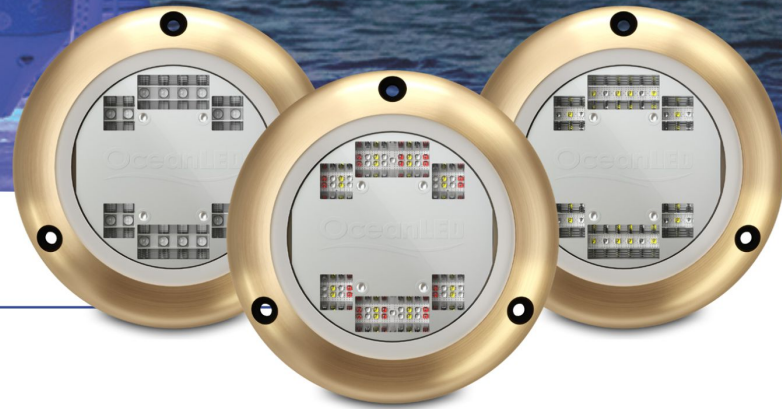
Rectangular  
Beam

# ATTRACT FISH. CATCH FISH YOU'RE WELCOME

LIGHT. YEARS AHEAD.  
[www.oceanled.com](http://www.oceanled.com)



## SPORT *SERIES*



AVAILABLE:    



Up to 5,000  
Fixture Lumens



90°  
Top Beam



20°  
Side Beam



Rectangular  
Beam

