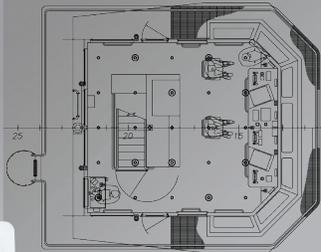


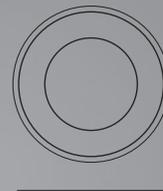
imtra®



COMMERCIAL MARINE LIGHTING



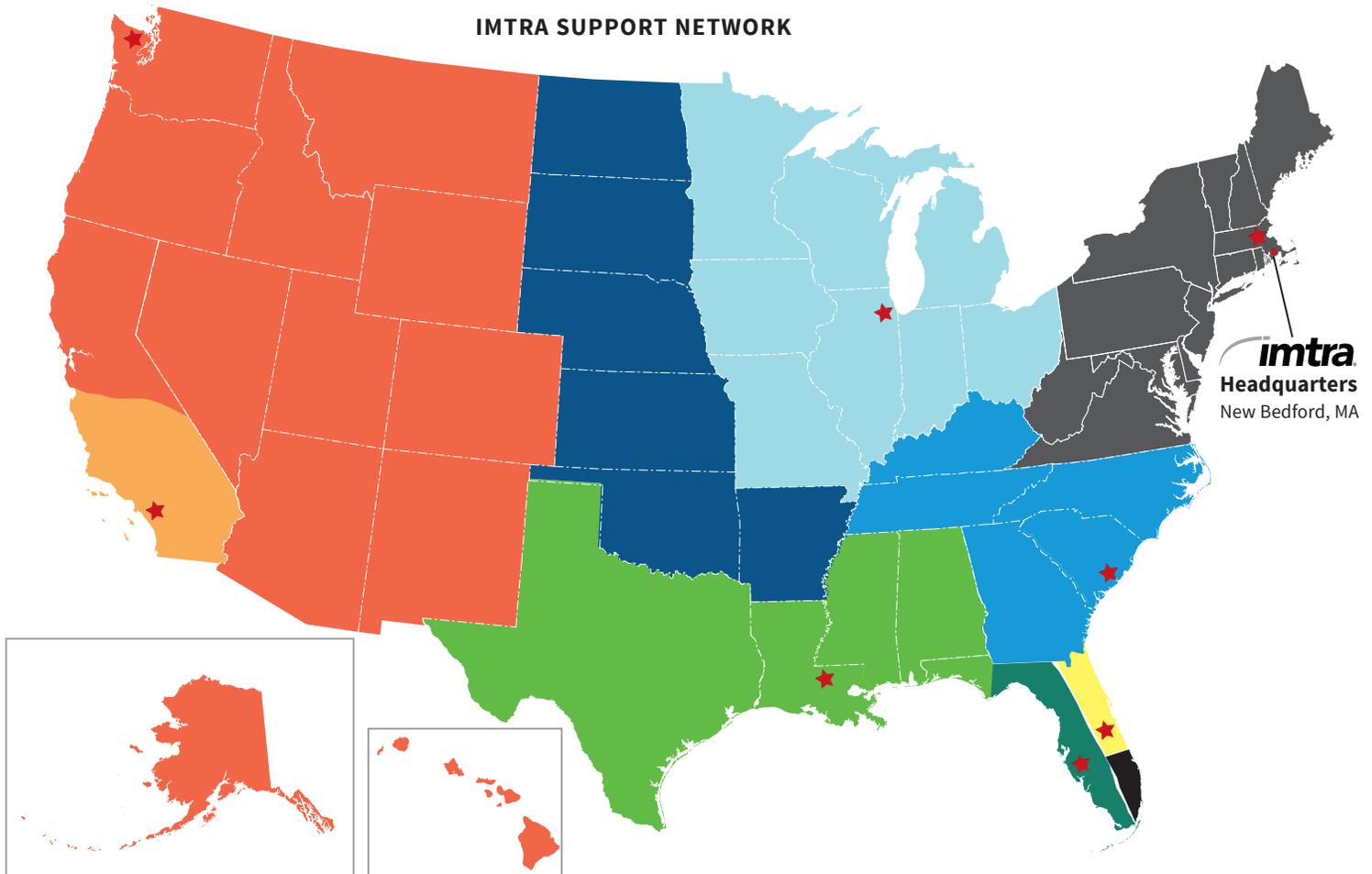
www.imtra.com



About Imtra

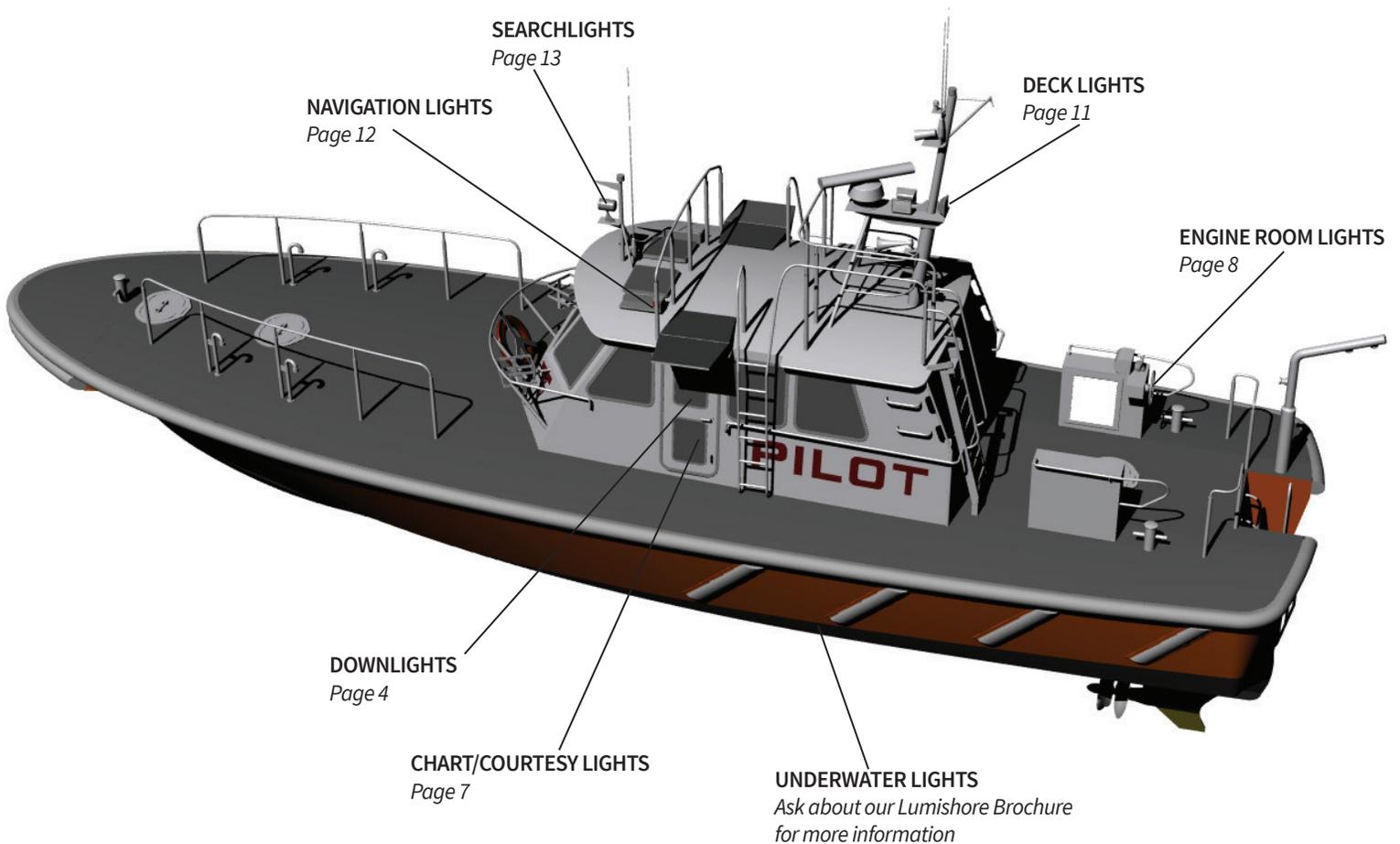
Imtra Corporation is the premier systems supplier for the marine and commercial industries. We search worldwide to find innovative solutions and quality products that can meet today's toughest challenges. We also make sure that our products are in stock and ready to deliver from our headquarters in New Bedford, Massachusetts.

Product selection is only part of our story. Imtra's strength begins with its people, a dedicated team who truly understand our customers' needs. With a knowledgeable in-house service staff, solid engineering capabilities, and a nationwide support network of professionals, Imtra provides an unsurpassed level of service and expertise.



Imtra is Your Source

We are highly selective in our product offering and use our expertise in lighting to ensure the best quality products and the right solutions are available for you. We support our products through all facets of the products life from selection to installation to operation. Imtra makes the sourcing process easy for shipboard lighting solutions and we can help engineer the right components to make it all work. We are the only source you need for lighting.



Ray Hunt Design
Builder Gladding Hearn
Client – Virginia Pilots Association

BLADE • POOL • CURRENT

Key Features & Benefits

- Ultra-flat round stainless steel bezel design (Blade)
- Convenient spring mounting, no screws (Blade)
- 2-wire power and dimming compatible with Imtra PowerLED PWM Controller
- Bi-color dimming with single momentary switch (requires a 3rd wire)
- Integrated current-controlled drive circuitry
- Secure screw-mounting ideal for weather-exposed locations (Pool & Current)

LED Colors

Single Color: Warm, Cool, Neutral

Bi-Color: Red/Warm, Blue/Warm, Red/Cool, Blue/Cool, Red/Neutral, Blue/Neutral

Specifications

	Blade	Pool	Current
Power consumption	4.7W		
Luminous flux (lm)*	183		
Halogen equivalency	25W		
Input voltage	10-40VDC		
Ingress protection (IP)	IP65		
Mounting method	Springs	Screws	

* Luminous flux figures are for Warm White only. For other figures please refer to our website.

Finishes

	Blade	Pool	Current
Polished stainless steel	●	●	●
Brushed stainless steel	●	●	●
White		●	
Optional custom finish (IP varies)	●	●	●



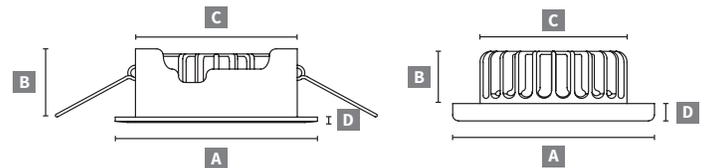
Blade



Pool



Current



Dimensions

	Blade	Pool	Current
A Trim Ring Diameter	3.63" 92mm	3.43" 87mm	3.71" 94mm
B Recessed Depth	1.09" 28mm	1.05" 27mm	1.05" 27mm
C Cutout	2.65" 67mm	2.40" 61mm	2.40" 61mm
D Trim Ring Height	0.07" 1.8mm	0.29" 7.4mm	0.26" 6.6mm



ORLANDO • TIDE SERIES

Key Features & Benefits

- Small diameter twist-on round stainless steel bezel design (Tide Series)
- Flush or surface mount models (Tide Series)
- 2-wire power and dimming compatible with Imtra PowerLED PWM Controller (Tide Series)
- Bi-color dimming with single momentary switch- requires 3rd wire (Tide Series)

Orlando LED Colors

Single Color: 3000k (2700k & 4000k on request)

Bi-Color: White/Red



Tide LED Colors

Single Color: Warm, Cool, Neutral (Tide Series)

Bi-Color: Red/Warm, Blue/Cool (Tide Series)



Specifications

	Orlando85	Orlando 95	Tide	Tide w/Base & switch	Tide w/Round Base
Power consumption	4W	6W	3.2W		
Luminous flux (lm)*	400	560	112		
Halogen equivalency			10W		
Input voltage	8-32VDC		10-30VDC		
Ingress protection (IP)	IP66		IP65	IP40	
Mounting method	Springs/Screws		Screws		

* Luminous flux figures are for Warm White only. For other figures please refer to our website.

Finishes

	Orlando85	Orlando 95	Tide	Tide w/Base & switch	Tide w/Round Base
Polished stainless steel	●	●	●	●	●
White	●	●	●	●	●
Brushed stainless steel			●		
Satin stainless steel	●	●			
Gold PVD			●		
Optional custom finish (IP varies)			●		

Trim Ring Sizes

Orlando 85	Orlando 95
3.35" / 85mm	3.74" / 95mm



Orlando



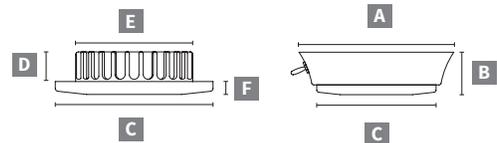
Tide



Tide w/Base & Switch



Tide w/Round Base



Dimensions

	Tide	Tide w/Base & Switch	Tide w/Round Base
A Base Diameter	N/A	3.70" 94mm	2.80" 71mm
B Bezel Height	1.02" 26mm	1.02" 26mm	0.83" 21mm
C Trim Ring Diameter	2.86" 73mm	2.86" 73mm	2.86" 73mm
D Recessed Depth	0.55" 14mm	N/A	N/A
E Cutout	2.13" 54mm	N/A	N/A
F Trim Ring Height	0.24" 6mm	N/A	N/A

T-SERIES / OCEAN

Key Features & Benefits

- Choice of three trim ring diameters (T-Series)
- Bi-color dimming with single momentary switch (T-Series)
- Secure screw-mounting ideal for weather-exposed locations (T-Series)
- Adjustable downlights designed for marine applications (Ocean)
- Precision engineered for the latest LED technology (Ocean)
- Lightweight construction (Ocean)
- Available in 4 diameter sizes (Ocean)
- Less radiated heat than traditional light sources (Ocean)

T-Series LED Colors

Single Color: Warm, Cool, Neutral

Bi-Color: Red/Warm, Blue/Warm, Red/Cool, Blue/Cool, Red/Neutral, Blue/Neutral

Ocean LED Colors

Single Color: 3000K



T-180



Ocean 155

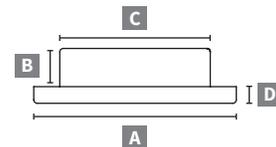
Specifications

	T-180	Ocean 155
Power consumption	4.7W	12W
Luminous flux (lm)*	206	210
Halogen equivalency	25W	
Input voltage	10-40VDC	16-32VDC
Ingress protection (IP)	IP65	IP55
Mounting method	Screws	Screw/Spring

* Luminous flux figures are for Warm White only. For other figures please refer to our website.

Finishes

	T-180	Ocean 155
Polished stainless steel	●	●
Stainless Steel		●
White	●	●
Optional custom finish (IP varies)	●	



Dimensions

	T-180	Ocean 155
A Trim Ring Diameter	7.09" 180mm	6.10" 155mm
B Recessed Depth	1.08" 27mm	1.00" 25mm
C Cutout	5.10" 130mm	5.19" 130mm
D Trim Ring Height	0.35" 9mm	0.21" 5.3mm

DUXBURY / F - 4 / F - 2 6

Key Features & Benefits

- Courtesy lights for small and mid-sized yachts (Duxbury)
- Extremely low power consumption (Duxbury)
- Solid state circuitry – shock and vibration proof (Duxbury)
- Integrated drivers for simplified wiring (Duxbury)
- Flexible umbilical (gooseneck) design chart lights
- TouchLED switch technology
- Bulkhead and table mount options
- Programmable “red” nightlight function (F-4)

LED Colors

Single Color: Warm, Cool, Blue (Duxbury)

Single Color: Cool, Red (F-26)

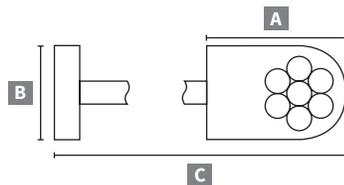
Bi-Color: Cool/ Red (F-4)

Specifications

	Duxbury	F-4	F-26	F-4 Long
Beam angle (FWHM)	Asymm.	44°	29°	44°
Power consumption	0.95W	2.0W	2.0W	2.0W
Luminous flux (lm)	9	85	75	75
Lifetime hours (70% light output)	50,000			
Halogen equivalency	<5W	10W		
Input voltage	10-30VDC			
Ingress protection (IP)	IP66	IP50		

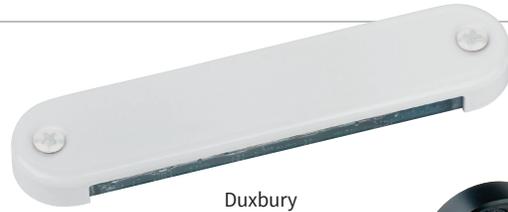
Finishes

Black		●
Polished stainless steel	●	
White	●	
Optional custom finish (IP varies)	●	



Dimensions

	F-4	F-26	F-4 Long
A Shade Dimensions	Ø1.97" 50mm	2.75 x 1.77 x 0.60" 70 x 45 x 15mm	Ø1.97" 50mm
B Base Diameter	1.36" 35mm	1.36" 35mm	1.36" 35mm
C Full Extension	11.81" 300mm	11.81" 300mm	19.69" 500mm



Duxbury

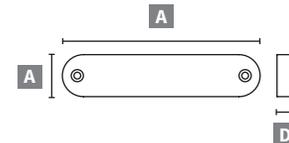


F-4

F-26



Bulkhead Mount



Dimensions

	Duxbury
A Trim Ring (l x w)	3.50 x 0.75" 89 x 19mm
B Recessed Depth	N/A
C Cutout	N/A
D Trim Ring Height	0.30" 8mm

F - 28 • F - 70

Key Features & Benefits

- Ultra slim surface-mount form factors, completely impervious to water intrusion
- Impact-proof, UV stabilized PC construction
- Specially designed waterproof magnetic slide switch (F-70)
- Ignition-Protected (safe with gas engines)

LED Colors

Single Color: Cool, Warm (F-28)

Single Color: Cool (F-70)

Bi-Color: Cool/Blue; Cool/Green; Warm/Blue; Warm/Green;

Warm/Red; Cool/Red (F-28)



Specifications

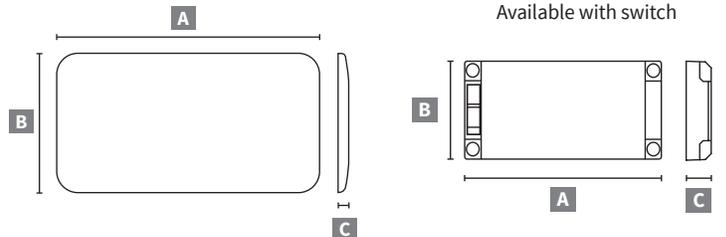
	F-28	F-70
Power consumption	7W	5W
Luminous flux (lm)*	600	400
Halogen equivalency	65W	40W
Input voltage	10-30VDC	
Ingress protection (IP)	IP67	

* Luminous flux figures are for cool white only. Other figures are available on our website.



Finishes

Opaque	●
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Dimensions	F-28		F-70	
A Length	6.70"	170mm	4.72"	120mm
B Width	3.54"	90mm	2.36"	60mm
C Height	0.51"	13mm	0.59"	15mm

F - 4 0

Key Features & Benefits

- Models available with or without switch
- Blended non-glare illumination
- Easily mounts to any surface with just 4 screws provided
- Anodized aluminum housing for excellent thermal management
- Impact-proof, UV stabilized PC lens
- Models available with SS or Aluminum mounting brackets
- Daisy chain capable
- Die-Cast 6061 aluminum housing with Polycarbonate lens
- Zero Maintenance – No more bulbs to change, store, or dispose of

LED Colors

Single Color: Cool, Warm

Specifications

	F-40.1	F-40.2	F-40.3	F-40.4
Power consumption	9W	18W	27W	36W
Luminous flux (lm)*	700	1400	2100	2800
Halogen equivalency	70W	140W	210W	280W
Input voltage	10-30VDC			
Ingress protection (IP)	IP50			

* Luminous flux figures are for cool white only. Other figures are available on our website.

Finishes

Anodized Aluminum/Black PCB Caps	●
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Dimensions	F-40.1		F-40.2		F-40.3		F-40.4	
A Length	19.68"	500mm	36.81"	935mm	53.93"	1370mm	71.06"	1805mm
B Width	1.18"	30mm	1.18"	30mm	1.18"	30mm	1.18"	30mm
C Height	0.51"	13mm	0.51"	13mm	0.51"	13mm	0.51"	13mm

LINEAR HIGH OUTPUT FIXTURE

Key Features & Benefits

- 33 lms /watt (1' models), 130lms/watt (2' models), and 135lms/watt (4' models)
- Models available with SS or Aluminum mounting brackets
- Daisy chain capable
- Die-Cast 6061 aluminum housing with Polycarbonate lens
- Zero Maintenance – No more bulbs to change, store, or dispose of

LED Colors

Single Color: Cool (Linear High Output Fixture)



Specifications

	1' HO	2' HO	4' HO
Power consumption	30W	60W	100W
Luminous flux (lm)*	4000	7800	13000
Halogen equivalency	N/A		
Input voltage	120-277V		
Ingress protection (IP)	IP67		

* Luminous flux figures are for cool white only. Other figures are available on our website.

Finishes

Grey Die-Cast 6061 Aluminum	●
White Die-Cast 6061 Aluminum	●



Dimensions	1' HO	2' HO	4' HO
A Length	11.81" 300mm	23.62" 600mm	47.24" 1200mm
B Width	3.54" 90mm	3.54" 90mm	3.54" 90mm
C Height	2.83" 72mm	2.83" 72mm	2.83" 72mm

OFFSHORE & PITMASTER SERIES • JBOX LIGHT

Key Features & Benefits

- Marine grade hydrophobic gloss powder coating
- Impact & UV resistant PCB lens
- Electronic thermal management system
- Vibration dampened & shock proof
- Anodized low copper die-cast aluminum housing
- A variety of beam angles offered
- Supplied with 6' x 16awg duplex boat cable (Offshore Series)
- Integrated, serviceable AC-DC driver (JBox assembly Pitmaster Series)
- Redundant circuit design for ultimate dependability

Ask about our deck layout/simulation design services



5-LED



9-LED



12-LED



20-LED

Specifications

For a complete list of specifications on all decklight models, please go to our website or contact Intra for a separate catalog.

Specifications

	5-LED to 20-LED	20-LED Pitmaster & JBOX
Input voltage	11-65VDC	110-277VAC

Finishes

	Offshore	Pitmaster	JBOX
White Marine Grade Powder Coating	●		
Black Marine Grade Powder Coating	●		
Grey Marine Grade Powder Coating		●	●



JBOX



60-LED



30-LED



Pitmaster Series

NAVIGATION LIGHTS

Key Features & Benefits

- LED lights with high quality components that assure the most robust and durable products in its class
- UV resistant borosilicate glass lens & epoxy potted power supply for maximum protection
- Black, hard anodized seawater resistant aluminum
- 50,000 hour lifetime reduces future maintenance costs
- Product line includes solutions for all vessel lengths and types
- Galvanically isolated back-up LED module built in to fixture (DHR60 and DHR80 models)

Specifications	40 LED	60 LED	80 LED
Power Supply	24VDC		
Lifetime hours	50,000		
Visibility	2 NM - 3 NM	2 NM - 5 NM	3 NM - 6 NM
Operation Temperature	-25 to +55°C		
Ingress protection (IP)	IP66		
Vessel length	<164' (50m)		>164' (50m)
LED Module	One	Two (Main & Spare)	

Finishes

Black Anodized Aluminum		●
White Anodized Aluminum	●	



Robert Allan



DHR40



DHR60



DHR80

SEARCHLIGHTS

DHR 150 / DHR 180

- Compact searchlight suitable for low-height vessels
- Ball joint cabin control used for operation from the wheelhouse
- Clear white beam

Materials

Brushed stainless steel 316 housing

Chrome plated brass handle (DHR 180)

All other materials corrosion resistant and non-magnetic



DHR 150



DHR 180

DHR 230RCB Series

- Family of LED searchlights with compact design
- Perfect for tugs, workboats and inland vessels
- Silver plated mirror provides optimal beam
- Operated by a control panel, usually mounted in the wheelhouse

Materials

Brushed stainless steel 316L housing

All other materials corrosion resistant and non-magnetic



DHR 230



PAN2019NF

NEW Control Panel for DHR230

DHR 420RCB (halogen)

- Seawater resistant aluminium with a powder coated finish
- 316L stainless steel brackets
- Parabolic silverplated glass mirror
- Remote controlled focus
- Protective vent in drum

Materials

Chromated seawater resistant aluminum housing with a UV-resistant RAL9016 powdercoat finish.

All other materials corrosion resistant and non-magnetic



DHR 300



DHR 420



Specifications

	DHR 150	DHR 180	DHR 230	DHR 420
Power consumption	10W	20W	75W	2000W
Voltage	10-32VDC		115/ 230VAC	230VAC
Ingress protection (IP)	IP56		IP66	
Range at 1 Lux	447m	592m	775m	1225m

REFERENCE & RELIABILITY

Our Commitment to Customer Service

Imtra's focus on service and extensive product knowledge are what set us apart. We have built our business on having the products and replacement parts you need available for prompt delivery. The accessible staff at Imtra headquarters in New Bedford, Massachusetts has the training and experience to discuss your requirements and answer any questions you may have. Imtra's website makes it easier than ever to find a wealth of product information and technical support! Search Imtra's knowledge base for maintenance tips, installation advice, downloadable owner's manuals, and much more.

Warranty & Reliability

At its discretion, Imtra will either replace or repair any product in this catalog within its specified warranty period if found to be defective through faulty material or workmanship provided that no attempt has been made by the customer to tamper with, rectify, dismantle, or alter the product in any way. The warranty periods for most products are specified in the preceding catalog pages and commence upon delivery of the goods. Warranty periods listed in this catalog refer to electronic functionality only. If not defined in the catalog, please locate detailed warranty information on any specific product by downloading that product's installation manual directly off our website. Imtra specifically disclaims any implied warranties, merchantability or fitness for a specific purpose and will not be liable for any direct, indirect, incidental or consequential damages. Imtra's total liability is limited to repair or replacement of the product. The warranty set forth above is inclusive and no other warranty, whether written or oral, is expressed or implied. If it should become necessary to return a fixture for service during or beyond the warranty period, please refer to Imtra's standard Return Policy as detailed on Imtra's website (www.imtra.com) or call Imtra customer service at (508) 995-7000. No returns will be accepted without a Return Authorization (RA) number.

IP Ratings

The IP rating (Ingress Protection Rating) designates the amount of dust or fluid an electronic/electrical enclosure allows to pass through into the product. The rating applies to any enclosure that provides protection of equipment from certain external influences and in any direction, along with protection against direct contact.

IP20 (2) Protected against penetration of solids larger than 12mm and (0) not protected against liquids

IP40 (4) Protected against penetration of solids larger than 1mm and (0) not protected against liquids

IP50 (5) Protected against dust and (0) not protected against liquids

IP55 (5) Resistant to dust penetration and (5) protected against jets of water from every direction

IP65 (6) Completely protected against dust and (5) protected against jets of water from every direction

IP67 (6) Completely protected against dust and (7) protected against immersion (30 minutes, 1m+ depth)

Classification Symbols

Imtra lighting products are designed to meet international standards and classifications. Symbols identifying these classifications are:

	European Conformity Mark of Approval		Russian Maritime Register of Shipping Certified
	Compliant to Restrictions of Hazardous Substances Directive		Tested & Approved by Det Norske Veritas
	Suitable to Inflammable Surfaces		MED96/98/EC Wheelmark
	Class 3		Ignition protected
	Tested and Approved by U.L. to meet U.L. Standards		Designed & Assembled in the U.S.A.



30 Samuel Barnet Boulevard, New Bedford, MA 02745
508.995.7000 www.imtra.com



THE TRUSTED SOURCE FOR QUALITY SYSTEMS



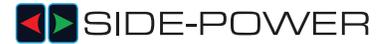
SEATING & CONSOLES

Ergonomic seating and consoles with custom options available.



THRUSTERS

Innovative thrusters & stabilizers for precision control without compromise.



WIPER SYSTEMS

Rugged wiper motors, blades and arms purpose built for the sea.



SEARCHLIGHTS

Marine searchlights with narrow, normal or wide beams for all types of vessels.



SOLAR BLINDS

Anti-glare, UV protection roller shades and solar blinds.



JOYSTICKS & CONTROLS

Award-winning controls with precision mechanics for a wide range of vessels.



NAVIGATION LIGHTS

High quality LED Navigation Lights



LED LIGHTING

Advanced LED lighting solutions including VIMAR switching.



DOORS & HATCHES

A complete range of doors made of steel, aluminum or composite materials.





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www.imtra.com