imtra®
MARINE LIGHTING

ADVANCED LED SOLUTIONS

The Trusted Source for Quality Systems

Imtra is the premier systems supplier to boat builders, service yards, and boat owners worldwide. We are proud to provide the finest equipment to recreational marine, commercial marine and non-marine industries. With 65 years of experience, we remain committed to providing our customers with the world's best products and the highest level of service and support. To see our full range of products, please visit www.imtra.com.
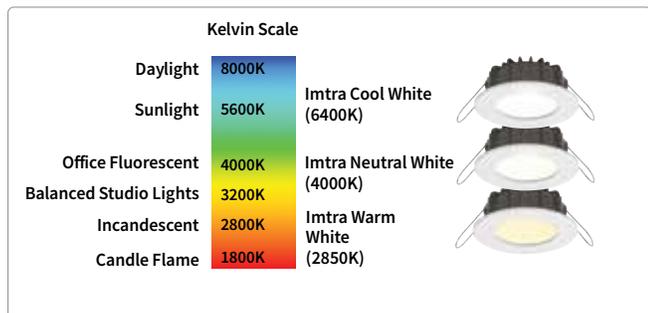
CONTENTS

imtra

CORPORATION

What you should know before choosing your LED lights.

When you are looking to buy an LED light for your boat, it is more like buying a new TV or computer than "just a light". LED fixtures include circuit boards and a host of technologies that enhance performance and ensure that they will maintain that performance for many years. Here's what you need to know before you buy:

Color Choice

LED lights are offered in a wide range of colors. Some fixtures even offer multiple colors from the same fixture. Unlike older technologies such as halogen and incandescent, LEDs can come in a range of different tones of white (as well as colors like red, blue or green).

The shade of white you choose is important as it will have a major effect on how spaces feel - and how objects appear. This is called "color temperature" which is a measurement in degrees Kelvin (K) that indicates the color hue of a specific type of white light source.

Kelvin Scale

Daylight	8000K	
Sunlight	5600K	Imtra Cool White (6400K)
Office Fluorescent	4000K	Imtra Neutral White (4000K)
Balanced Studio Lights	3200K	
Incandescent	2800K	Imtra Warm White (2850K)
Candle Flame	1800K	

Warranty & Reliability

It is important to choose your LED manufacturer as carefully as you choose your fixtures. Make sure that you understand what level of support you can expect in case you have a problem. At Imtra, we proudly stand behind every product we sell. You can find detailed information about our product warranties on page 55.

Cool White lights do a great job of enhancing the appearance of white gelcoat and light woods found in exterior spaces.

Neutral White lights, popular in European interior lighting design, provides slightly brighter illumination than Warm White without the bluish hue associated with Cool White. It is also proven to be an easier light to read by.

Warm White lights can bring out the best in yacht interiors with traditional darker woods and warmer fabric colors.
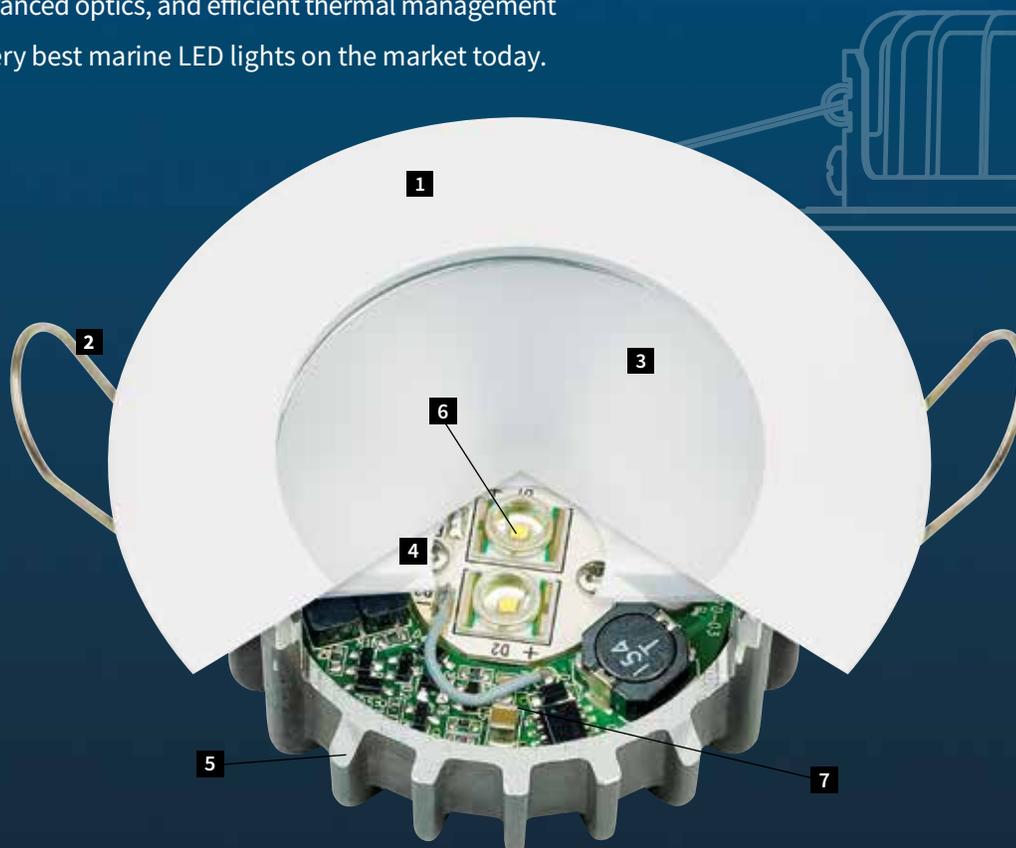
imtra®
MARINE LIGHTING

Imtra is at the forefront in the development of LED products for today's marine market. As the "Anatomy of an Imtra LED" illustration shows, our LEDs combine high performance drive electronics, advanced optics, and efficient thermal management to create the very best marine LED lights on the market today.

Anatomy of an Imtra LED

1 Stainless steel trim ring for lasting quality finish

2 Stainless steel mounting springs for easy installation (screw-mount fixtures available)

3 Frosted glass and molded acrylic lenses for glare-free, blended light output

4 Highly reflective optic for superior optical efficiency and light distribution

5 Anodized, die-cast aluminum heat-sink housing maximizes surface area for optimal thermal management

6 High flux LEDs mounted on aluminum core board to maintain low junction temperature and extend lumen maintenance

7 Integrated driver electronics featuring:
- Constant current control of LEDs
- PWM dimming interface
- Voltage spike/transient suppression
- Conducted and radiated emissions filtering
- Long life, high temperature components
- Corrosion-resistant conformal coating

BLADE / CARVE / SURF

Blade

Key Features & Benefits

- Ultra-flat round stainless steel bezel design (Blade)
- Small diameter, low-profile molded square/square bezel (Carve)
- Designer-inspired molded square bezel (Surf)
- 2-wire power and dimming compatible with Imtra PowerLED PWM Controller
- Bi-color dimming with single momentary switch (requires 3rd wire)
- Integrated current-controlled drive circuitry
- Convenient spring mounting (no screws)

LED Colors

Single Color: Warm, Cool, Neutral

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

Carve

Specifications

	Blade	Carve	Surf
Beam angle (FWHM)		90°	
Power consumption		4.7W	
Luminous flux (lm)*		183	
Lifetime hours (70% light output)		50,000	
Halogen equivalency		25W	
Input voltage		10-40VDC	
Ingress protection (IP)		IP65	

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

Finishes

	Blade	Carve	Surf
Polished stainless steel	●		
Mirror-polished chrome		●	●
Brushed stainless steel	●		
Matte Chrome		●	
Optional custom finish (IP varies)	●		
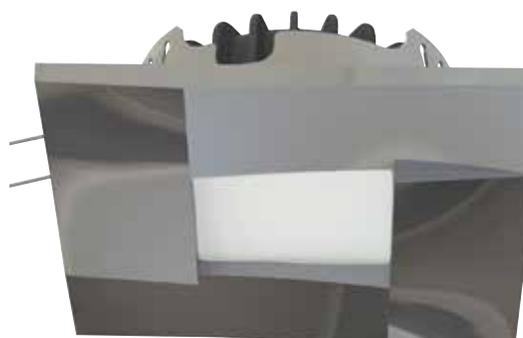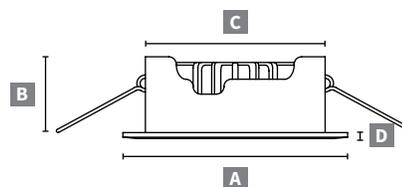
Surf

Dimensions

		Blade		Carve		Surf	
A	Trim Ring Width	ø3.63"	ø92mm	3.14" x 3.14"	80 x 80mm	3.63" x 3.63"	92 x 92mm
B	Recessed Depth	1.09"	28mm	1.05"	27mm	1.05"	27mm
C	Cutout	2.65"	67mm	2.65"	67mm	2.65"	67mm
D	Trim Ring Height	0.07"	1.8mm	0.08"	2mm	0.22"	5.6mm

POOL / RIPPLE / CURRENT

Key Features & Benefits

- Choice of three stainless steel twist-on bezel designs
- 2-wire power and dimming compatible with Imtra PowerLED PWM controller
- Bi-color dimming with single momentary switch (requires 3rd wire)
- Integrated current-controlled drive circuitry
- Secure screw-mounting ideal for weather-exposed locations

LED Colors

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

Pool

Ripple

Specifications

	Pool	Ripple	Current
Beam angle (FWHM)	90°		
Power consumption	4.7W		
Luminous flux (lm)*	183		
Lifetime hours (70% light output)	50,000		
Halogen equivalency	25W		
Input voltage	10-40VDC		
Ingress protection (IP)	IP65		

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

Finishes

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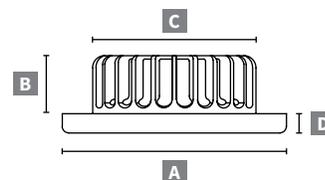
Current

Dimensions

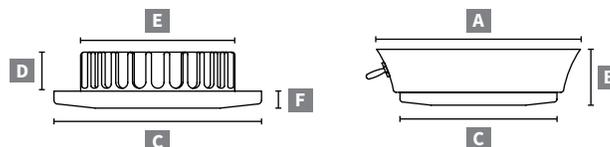|		Pool		Ripple		Current	
A	Trim Ring Diameter	3.43"	87mm	3.80"	96mm	3.71"	94mm
B	Recessed Depth	1.05"	27mm	1.05"	27mm	1.05"	27mm
C	Cutout	2.40"	61mm	2.40"	61mm	2.40"	61mm
D	Trim Ring Height	0.29"	7.4mm	0.29"	7.4mm	0.26"	6.6mm

TIDE / GIBRALTAR

Key Features & Benefits

- Small diameter twist-on round stainless steel bezel design (Tide)
- Contemporary design featuring stainless steel bezel (Gibraltar)
- Flush or surface mount models (Tide)
- 2-wire power and dimming compatible with Imtra PowerLED PWM Controller (Tide)
- Built-in switch for on/off or bi-color switching (Gibraltar)
- Bi-color dimming with single momentary switch (requires a 3rd wire)
- Integrated current-controlled drive circuitry
- Full electrical protections including spike/transients (Gibraltar)

LED Colors

Single Color: Warm, Cool, Neutral (Tide)
Single Color: Warm, Cool, (Gibraltar)
Bi-Color: Red/Warm, Blue/Cool (Tide & Gibraltar)

Tide

Tide w/Round Base

Tide w/Base & Switch

Specifications

	Tide	Tide w/Base & switch	Tide w/Round Base	Gibraltar
Beam angle (FWHM)		95°		93°
Power consumption		3.2W		4.7W
Luminous flux (lm)*		112		232
Lifetime hours (70% light output)		50,000		
Halogen equivalency		10W		30W
Input voltage		10-30VDC		
Ingress protection (IP)	IP65	IP40		IP55

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

Finishes

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

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	
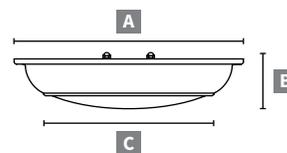
Dimensions

		Gibraltar	
A	Base Diameter	6.53"	166mm
B	Bezel Height	1.42"	36mm
C	Trim Ring	4.28"	109mm

TRI-COLOR SERIES

Key Features & Benefits

- Select between Red, Blue and High Brightness White
- Just 2 wires control power and color selection
- Single on/off switch operation
- 10-40VDC input voltage range

LED Colors

Tri-Color: Red/Blue/Cool, Red/Blue/Warm

5 YEAR WARRANTY

Blade Tri-Color

Tri-Color Series:
Blade, Surf, Carve, Pool,
Ripple, Current

Surf Tri-Color

Specifications

Beam angle (FWHM)	90°
Power consumption	5W
Luminous flux (lm)*	183
Lifetime hours (70% light output)	50,000
Halogen equivalency	25W
Input voltage	10-40VDC
Ingress protection (IP)	IP65

* Luminous flux figures are for Warm White only. Cool White figures are available on our website (when Cool White is an option).

Carve Tri-Color

Finishes

	Surf	Blade	Carve	Pool	Ripple	Current
Polished stainless steel		●		●	●	●
Mirror-polished chrome	●		●			
Brushed stainless steel		●		●		
White				●		
PVD Gold				●		
Matte Chrome			●			
Custom finish (IP varies)		●		●	●	●

CE   RoHS COMPLIANT
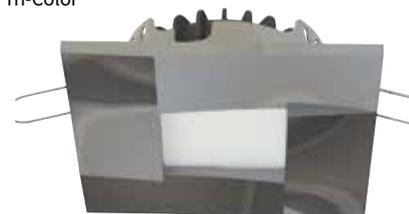
Pool Tri-Color

Ripple Tri-Color

Current Tri-Color

Dimensions

For dimensions, please visit www.imtra.com

A - S E R I E S

Key Features & Benefits

- Choice of two low-profile trim ring diameters
- 2-wire power and dimming compatible with Imtra PowerLED PWM controller
- Bi-color dimming with single momentary switch (requires 3rd wire)
- Convenient spring mounting (no screws)

LED Colors

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

A-155

A-105

Specifications

	A-105	A-155
Beam angle (FWHM)	96º	95º
Power consumption	4.7W	
Luminous flux (lm)*	216	
Lifetime hours (70% light output)	50,000	
Halogen equivalency	25W	
Input voltage	10-40VDC	
Ingress protection (IP)	IP65	

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

Finishes

	A-105	A-155
Polished stainless steel	●	●
White	●	●
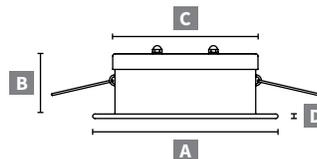
Dimensions

		A-105		A-155	
A	Trim Ring Width	4.13"	105mm	6.10"	155mm
B	Recessed Depth	1.53"	39mm	1.35"	35mm
C	Cutout	3.39"	86mm	5.36"	136mm
D	Trim Ring Height	0.10"	3mm	0.10"	3mm

T-SERIES

T-180

Key Features & Benefits

- Choice of three trim ring diameters
- 2-wire power and dimming compatible with Imtra PowerLED PWM controller
- Bi-color dimming with single momentary switch (requires 3rd wire)
- Secure screw-mounting ideal for weather-exposed locations

LED Colors

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

T-155

Specifications

	T-105	T-155	T-180
Beam angle (FWHM)	88°	87°	86°
Power consumption	4.7W		
Luminous flux (lm)*	189	197	206
Lifetime hours (70% light output)	50,000		
Halogen equivalency	25W		
Input voltage	10-40VDC		
Ingress protection (IP)	IP65		

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

T-105

Finishes

	T-105	T-155	T-180
Polished stainless steel	●	●	●
White	●	●	●
Optional custom finish (IP varies)		●	●
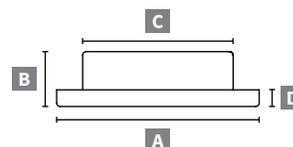
Dimensions

		T-105		T-155		T-180	
A	Trim Ring Width	4.13"	105mm	6.10"	155mm	7.09"	180mm
B	Recessed Depth	1.36"	35mm	1.13"	29mm	1.08"	27mm
C	Cutout	3.03"	77mm	4.18"	106mm	5.10"	130mm
D	Trim Ring Height	0.35"	9mm	0.35"	9mm	0.35"	9mm

ST. MAARTEN

Key Features & Benefits

- Hand-crafted blown glass shade in a variety of colors
- Available with round or rectangular base
- Integrated 1.0A USB charge port
- 355° lateral swivel (90° up/down)
- Accepts G4 halogen or LED bulb

LED Colors

Single Color: Warm (halogen or LED bulb)

5 YEAR WARRANTY

St. Maarten 3 – Rectangular Base

St. Maarten 2 – Round Base

Both models available with built-in USB port!
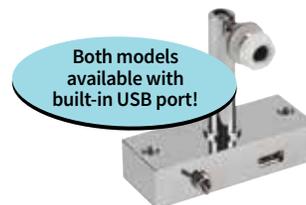
Specifications*

Beam angle (FWHM)	Omni-directional
Power consumption (LED bulb)	1.5W
Lifetime hours (70% light output) (LED bulb)	25,000
Halogen equivalency	10W
Input voltage	10-30VDC
Ingress protection (IP)	IP20

* Specifications are based on use with LED bulb (sold separately)

Finishes

Chromed brass

CE RoHS COMPLIANT

Color Choices

White

Ocean Swirl

Blue-Green Swirl

Mocha Swirl

St. Maarten 2

St. Maarten 3

The unique, hand-crafted blown glass is made by America's oldest operating glass company. Master glassblowers at the Pairpoint Glass Company, now located in nearby Cape Cod, use the same time-tested techniques with some of the original tools that date back to the early 1800s when the company was founded in Boston, MA.

PAIRPOINT
1837
AMERICA'S OLDEST GLASS COMPANY
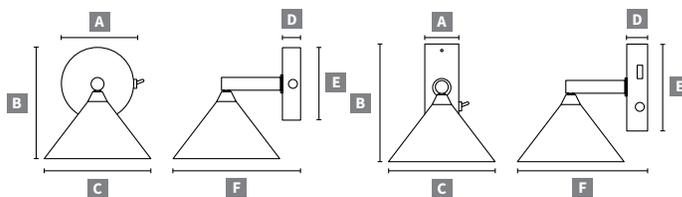
Dimensions

		St. Maarten 2		St. Maarten 3	
A	Base Width	2.81"	71.5mm	1.32"	33.5mm
B	Total Height	3.42"	86.9mm	4.60"	116.7mm
C	Max. Shade Width	4.16"	105.7mm	4.16"	105.7mm
D	Base Depth from Wall	0.71"	18.0mm	0.82"	20.7mm
E	Base Height	2.23"	56.7mm	3.38"	85.9mm
F	Total Extension from Wall	3.94"	100.0mm	4.02"	102.2mm

HOBART / VENICE

Key Features & Benefits

- Contemporary design, solid brass construction
- 180° swiveling head (90° up/down)
- No radiated heat – safe to touch
- Integrated current regulated driver
- Use with B15d incandescent or LED "Tower" bulb (Venice)
- Low profile half shade design (sold separately)
- Integrated switch included (Venice)

LED Colors

Single Color: Warm

Hobart

Venice

Specifications

	Hobart	Venice
Beam angle (FWHM)	34°	Omni
Power consumption	3.0W	
Luminous flux (lm)	92	N/A
Lifetime hours (70% light output)	50,000	
Halogen equivalency	10W	20W
Input voltage	10-30VDC	
Ingress protection (IP)	IP20	

Finishes

	Hobart	Venice
Chromed brass	●	
Polished stainless steel		●
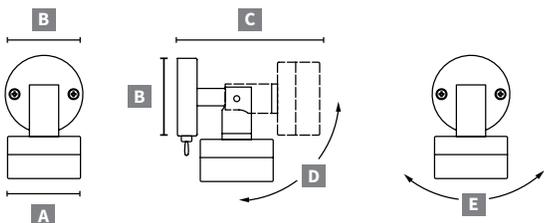
Dimensions — Hobart

A	Shade/Bell Diameter	2.17"	55mm
B	Mounting Base	Ø2.30"	58mm
C	Extension From Wall	4.24"	108mm
D	Vertical Movement	90°	
E	Lateral Movement	180°	
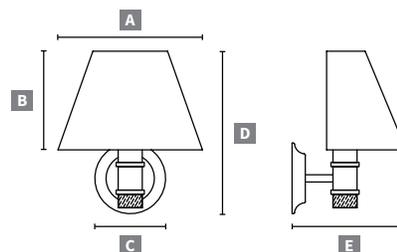
Dimensions — Venice

A	Shade/Half Shade Width	7.68"	195mm
B	Shade Height	4.92"	125mm
C	Mounting Base Diameter	3.66"	93mm
D	Full Height	8.19"	209mm
E	Extension From Wall	5.75"	146mm

YUKON / DUXBURY

Key Features & Benefits

- Courtesy lights for small and mid-sized yachts
- Extremely low power consumption
- Solid state circuitry – shock and vibration proof
- Integrated drivers for simplified wiring

LED Colors

Single Color: Warm, Cool, Blue (Yukon)

Single Color: Warm, Cool, Blue (Duxbury)

Yukon

Duxbury

Yukon / Duxbury are compatible with our DMS Series dimmers (pg. 49)

Specifications

	Yukon	Duxbury
Beam angle (FWHM)	120°	Asymm.
Power consumption	1.5W	0.95W
Luminous flux (lm)*	35	9
Lifetime hours (70% light output)	50,000	
Halogen equivalency	>10W	<5W
Input voltage	10-30VDC	
Ingress protection (IP)	IP65	IP66

* Luminous flux figures are for Warm White only. Cool White figures are available on our website (when Cool White is an option)

Finishes

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

Dimensions — Yukon

A	Trim Ring Diameter	1.74"	44mm
B	Recessed Depth	0.76"	19mm
C	Cutout	1.06"	27mm
D	Trim Ring Height	0.16"	4mm
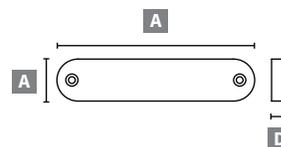
Dimensions — Duxbury

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

Since 1959, the Benedetti family has built BCM lighting into a benchmark of excellence in the production of lighting fixtures. Their in-depth knowledge of market trends and technologies has allowed their range to expand year after year. All this leads to the creation of products that enhance the light and transform it into a successful work of art. Our selection of BCM fixtures include elegant downlights, chart and task lights, and courtesy lights. See the BCM Lite & Bright Catalog for additional sizes, LED color temperatures and finishes.

Ferretti Yachts

ORLANDO

Key Features & Benefits

- Downlights designed for marine applications
- Precision engineered for the latest LED technology
- Lightweight construction
- Available in both spring and screw mounting versions
- Minimal power consumption
- Less radiated heat than traditional light sources

LED Colors

Single Color: 3000k (2700k & 4000k on request)
Bi-Color: White/Red

3 YEAR

Orlando 75

Specifications

	Orlando 75
Beam angle (FWHM)	90°
Luminous flux (lm)*	240
Lifetime hours	50,000
Input voltage	8-32VDC
Ingress protection (IP)	IP66

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

Additional Sizes

Available in four sizes: Orlando 60, Orlando 75, Orlando 85, and Orlando 95. Visit imtra.com for more information.

Finishes

White	●
Stainless Steel	●
Satin Steel	●

CE F ◇

Trim Ring Sizes

Orlando 60	Orlando 75	Orlando 85	Orlando 95
2.36" / 60mm	2.95" / 75mm	3.35" / 85mm	3.74" / 95mm

Visit imtra.com for additional dimensions and information.

MALIBU

Key Features & Benefits

- Downlights designed for marine applications
- Precision engineered for the latest LED technology
- Lightweight construction
- Available in spring mounting only
- Minimal power consumption
- Less radiated heat than traditional light sources

LED Colors

Single Color: 3000k (2700k & 4000k on request)
Bi-Color: White/Red

3 YEAR

Malibu 75

Specifications

	Malibu 75
Beam angle (FWHM)	90°
Luminous flux (lm)*	240
Lifetime hours	50,000
Input voltage	8-32VDC
Ingress protection (IP)	IP66

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

Additional Sizes

Available in four sizes: Malibu 60, Malibu 75, Malibu 85, and Malibu 95. Visit imtra.com for more information.

Finishes

White	●
Stainless Steel	●
Satin Steel	●

CE F ◇

Trim Ring Sizes

Malibu 60	Malibu 75	Malibu 85	Malibu 95
2.36" / 60mm	2.95" / 75mm	3.35" / 85mm	3.74" / 95mm

Visit imtra.com for additional dimensions and information.

PHOENIX / NEWPORT

Key Features & Benefits
- Adjustable downlights designed for marine applications
- Precision engineered for the latest LED technology
- Lightweight construction
- Phoenix is available in both spring and screw mounting
- Newport is available in spring mounting only
- Minimal power consumption
- Less radiated heat than traditional light sources

LED Colors
Single Color: 3000k (2700k & 4000k on request)
Bi-Color: White/Red

3 YEAR

Phoenix 85

Additional Sizes
Available in two sizes: Phoenix 85 and Phoenix 95.
Visit imtra.com for more information.

Specifications

	Phoenix 85	Newport 85
Beam angle (FWHM)	90°	90°
Luminous flux (lm)*	240	
Lifetime hours	50,000	
Input voltage	8-32VDC	
Ingress protection (IP)	IP66	

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

Finishes

White	●
Stainless Steel	●
Satin Steel	●

CE F

Newport 85

Additional Sizes
Available in two sizes: Newport 85 and Newport 95.
Visit imtra.com for more information.

Trim Ring Sizes

Phoenix 85	Newport 85	Phoenix 95	Newport 95
3.35" / 85mm		3.74" / 95mm	

Visit imtra.com for additional dimensions and information.

ALASKA

Key Features & Benefits

- Downlights designed for marine applications
- Precision engineered for the latest LED technology
- Lightweight construction
- White finish only with option for frosted or polished glass
- Minimal power consumption
- Less radiated heat than traditional light sources

LED Colors

Single Color: 3000k (2700k & 4000k on request)
Bi-Color: White/Red

3 YEAR

Alaska 82 with frosted glass finish

Specifications

	Alaska
Beam angle	Wide
Luminous flux (lm)*	320
Lifetime hours	50,000
Input voltage	8-32VDC
Ingress protection (IP)	IP66

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

Finishes

White

CE   F   III

Additional Sizes

Available in two sizes: Alaska 72 and Alaska 82.

Visit imtra.com for more information.

Trim Ring Sizes

Alaska 72	Alaska 82
2.83" x 2.83" / 72mm x 72mm	3.23" x 3.23" / 82mm x 82mm

Visit imtra.com for additional dimensions and information.

READING & TASK LIGHTS

Key Features & Benefits

- Reading lights designed for marine applications
- Precision engineered for the latest LED technology
- Lightweight construction
- Dimmable
- Minimal power consumption
- Less radiated heat than traditional light sources

LED Colors

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

3 YEAR

Specifications

	Catalina	Ventura	Arizona
Beam angle		Wide	25°
Luminous flux (lm)*		140	
Lifetime hours		50,000	
Input voltage		8-32VDC	
Ingress protection (IP)		IP40	

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

Finishes

Polished Chrome

CE   F

Catalina   Ventura

Arizona

Dimensions and Additional Information

Visit imtra.com for more information.

WAVE NEONFLEX & MINI FLEX LED

Key Features & Benefits of Wave Neonflex

- LED Light Strip technology with PU protection
- Weather and UV resistant
- IP68
- High light transmittance
- Smooth surface
- Cold and hot resistance: performance stable in -40°C + 80°C

LED Colors

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

Specifications

- Four styles in two sizes available in top or side emittance
- Standard 3000K, with options for 6000K, 4000K, and 2700K

Key Features & Benefits of Mini Flex LED

- Slim Flex LEDs non-IP rated version is 5mm and IP65 rated version is 7mm wide
- 24VDC
- 10W/Mt
- 240LED per meter
- Can be used with aluminum profiles Mini Blade One A, Mini Blade Two B, & Mini Blade Three C
- 3000k standard (2700k & 4000k on request)

Wave Neonflex Side

Wave Neonflex Small

Wave Neonflex Top

Dimensions and Additional Information
Visit imtra.com for more information.

COURTESY LIGHTS

Key Features & Benefits

- Designed for marine applications
- Precision engineered for the latest LED technology
- Lightweight construction
- Minimal power consumption
- Less radiated heat than traditional light sources

LED Colors

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

3 YEAR

Florida 2L

Florida 1L

Specifications

	Florida 1L/2L	Portland 1L/2L
Power consumption	1.5W	1.5W
Input voltage	8-32VDC	
Ingress protection (IP)	IP66	

Finishes

White	●
Stainless Steel	●
Satin Steel	●

CE F

Portland 2L

Portland 1L

Dimensions and Additional Information

Visit imtra.com for more information.

California 60
(Optional sizes: 75, 85,95)

Columbia

Savannah

Dana

Tampa

Detroit

prebit®

Designed and constructed in Germany, Prebit yacht lights feature the latest in lighting technology and components made from the highest quality materials. Imtra's range of Prebit lights can provide a bright working light for cockpits and chart tables, or a soft, dispersed light for main cabins and berths. Our selection includes glass shade reading lights, brass-coil gooseneck chart lights, decorative wall sconces, and robust stainless steel downlights. All wall-mounted fixtures feature integrated digital dimmers with built-in momentary push-button control.

Outer Reef Yachts

MUNICH / BREMEN

Key Features & Benefits

- Solid brass construction (Munich)
- Shade styles in solid or swirled glass or all metal (Munich)
- 350° adjustable swiveling head (Bremen)
- Built-in "soft-touch" dimming and control
- Integrated current regulated driver

LED Colors

Single Color: Warm (Munich)

Bi-Color: Warm/Red (Bremen)

3 YEAR WARRANTY

Munich
Shade: White Glass

Shades (L-R): Brown Glass, Titanium Glass, All Metal

Specifications

	Munich	Bremen
Beam angle (FWHM)	65°	90°
Power consumption	4.0W	3.0W
Luminous flux (lm)	192	192 (White) 39 (Red)
Lifetime hours (70% light output)	50,000	
Halogen equivalency	25W	15W
Input voltage	10-30VDC	
Ingress protection (IP)	IP20	

Finishes

	Munich	Bremen
Gold	●	
Chrome	●	●
Matte chrome	●	●

CE RoHS COMPLIANT F

Bi-Color
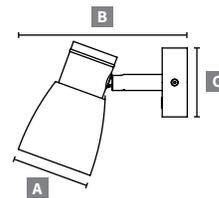
Bremen

Dimensions

		Munich		Bremen	
A	Shade Diameter	2.40"	61mm	3.32"	84mm
B	Extension from Wall	5.60"	142mm	1.65"	42mm
C	Base Diameter	2.16"	55mm	2.95"	75mm

BERLIN / SYLT

Key Features & Benefits

- Solid brass construction
- Hand-crafted glass shades
- Built-in "soft-touch" dimming
- Integrated current regulated driver

LED Colors

Single Color: Warm

3 YEAR WARRANTY

Berlin

Sylt

Specifications

	Berlin	Sylt
Beam angle (FWHM)	Omni-directional	
Power consumption	7.5W	4.0W
Luminous flux (lm)	378	192
Lifetime hours (70% light output)	50,000	
Halogen equivalency	45W	25W
Input voltage	10-30VDC	
Ingress protection (IP)	IP20	

Finishes

	Berlin	Sylt
Gold	●	●
Chrome	●	●
Matte chrome	●	●

CE RoHS COMPLIANT F
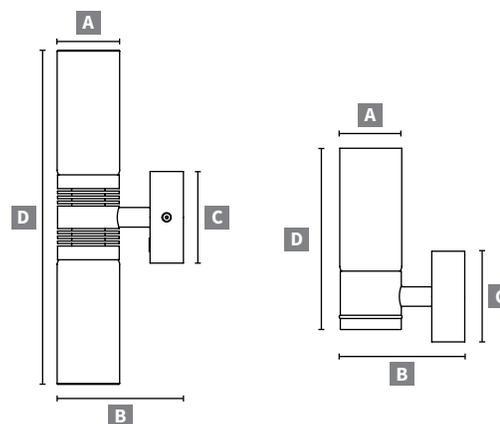
Dimensions

		Berlin		Sylt	
A	Shade Diameter (top)	2.16"	55mm	1.50"	38mm
B	Extension From Wall	2.98"	76mm	3.23"	76mm
C	Base Diameter	2.16"	55mm	2.16"	55mm
D	Fixture Height	7.91"	201mm	4.29"	110mm

KIEL / RUGEN / PROHN

Key Features & Benefits

- Solid brass construction
- Integrated current regulated driver
- Built-in "soft touch" dimming
- Desktop or bulkhead mounting

LED Colors

Single Color: Warm (Kiel, Prohn)
Bi-Color: Warm/Red (Rugen)

3 YEAR WARRANTY

Kiel

Rugen

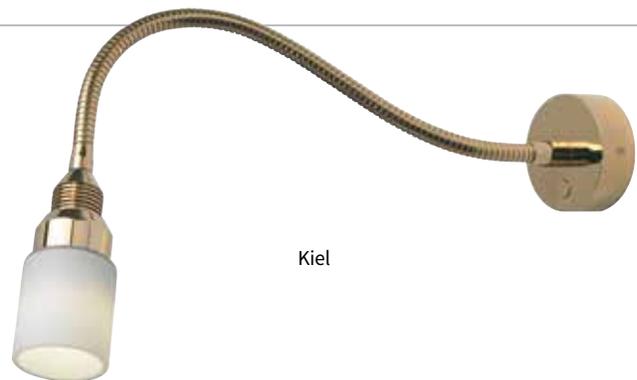Prohn

Specifications

	Kiel	Rugen	Prohn
Beam angle (FWHM)	45°	45°	25°
Power consumption	3.0W	3.0W	3.0W
Luminous flux (lm)	145	170	140
Lifetime hours (70% light output)	50,000	50,000	50,000
Halogen equivalency	15W	20W	15W
Input voltage	10-30VDC	10-30VDC	10-30VDC
Ingress protection (IP)	IP20	IP40	IP20

Finishes

	Kiel	Rugen	Prohn
Gold	●	●	●
Chrome	●	●	●
Matte chrome	●	●	●

CE RoHS COMPLIANT F
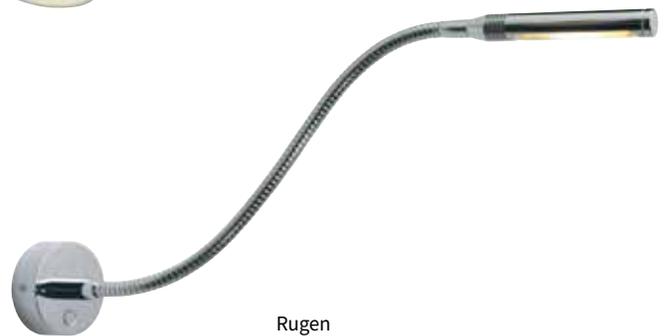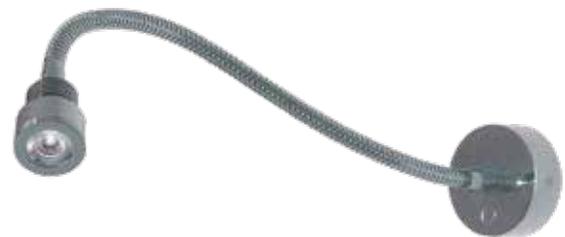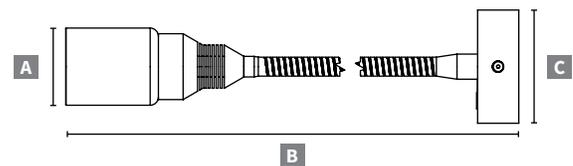
Dimensions

		Kiel		Rugen		Prohn	
A	Shade Diameter (top)	1.47"	37mm	0.6"	15mm	2.20"	56mm
B	Ext. from Wall	16.00"	407mm	16.69"	424mm	14.25"	362mm
C	Base Diameter	2.16"	55mm	2.17"	55mm	1.97"	50mm

ROSTOCK / NOVA / JANA (Wall / Reading Lamps)

Key Features & Benefits

- Solid brass construction
- Integrated constant-current driver
- Built-in "soft touch" dimming
- Switch between wall sconce and flexible reading light

LED Colors

Single Color: Warm

3 YEAR WARRANTY

Rostock-Flex   Nova-Flex   Jana-Flex

Specifications

	Rostock / Nova / Jana
Beam angle (FWHM)	360°/25°
Power consumption	6.0W (Wall) 2.5W (Reading)
Luminous flux (lm)	330 (Wall) 110 (Reading)
Lifetime hours (70% light output)	50,000
Halogen equivalency	35W (Wall) 10W (Reading)
Input voltage	10-30VDC
Ingress protection (IP)	IP20
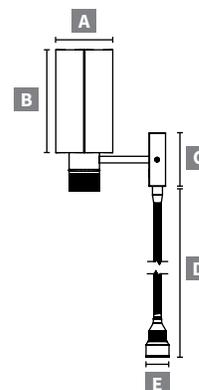
Finishes

	Rostock	Nova	Jana
Gold	●	●	●
Chrome	●	●	●
Matte chrome	●	●	●

Dimensions

		Rostock		Nova		Jana	
A	Shade Width	N/A		ø3.74"	ø95mm	3.74"	95mm
B	Shade Height	4.92"	125mm	5.51"	140mm	5.51"	140mm
C	Base Height	2.56"	65mm	2.56"	65mm	2.56"	65mm
D	Ext. from Base	13.46"	342mm	13.46"	342mm	13.46"	342mm
E	Diameter	1.1"	28mm	1.1"	28mm	1.1"	28mm

CE RoHS COMPLIANT

NOVA / KATI (Table Lamps)

Key Features & Benefits

- Solid brass construction
- Sturdy table mount base
- Integrated constant-current driver
- Built-in "soft-switch" dimming

LED Colors

Single Color: Warm

3 YEAR WARRANTY

Nova

Kati

Specifications

	Nova	Kati
Beam angle (FWHM)	360°	
Power consumption	6.0W	
Luminous flux (lm)	330	
Lifetime hours (70% light output)	50,000	
Halogen equivalency	35W	
Input voltage	10-30VDC	
Ingress protection (IP)	IP20	
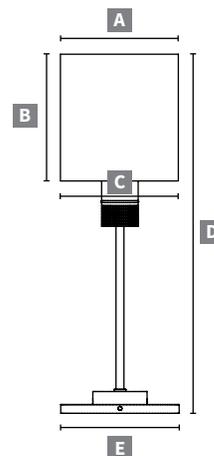
Finishes

	Nova	Kati
Gold	●	●
Chrome	●	●
Matte chrome	●	●

Dimensions

		Nova		Kati	
A	Shade Width	ø4.72"	120mm	ø4.33"	110mm
B	Shade Height	4.72"	120mm	4.72"	120mm
C	Shade Bottom	ø4.72"	120mm	ø5.90"	150mm
D	Total Height	14.00"	355mm	14.00"	355mm
E	Base	ø4.72"	ø120mm	ø4.72"	ø120mm

ROSTOCK / LUBECK / JANA / NOVA (Wall Sconces)

Key Features & Benefits

- Compact, modern design
- Solid brass construction
- Integrated constant-current driver
- Built-in smart switch dimmer

LED Colors

Single Color: Warm

Rostock

Lubeck

Specifications

	Rostock	Lubeck	Jana	Nova
Beam angle (FWHM)	360°			
Power consumption	5.5W		6.0W	
Luminous flux (lm)	330			
Lifetime hours (70% light output)	50,000			
Halogen equivalency	35W			
Input voltage	10-30VDC			
Ingress protection (IP)	IP20			

Jana

Nova

Finishes

	Rostock	Lubeck	Jana	Nova
Gold			●	●
Chrome	●	●	●	●
Matte chrome	●	●	●	●
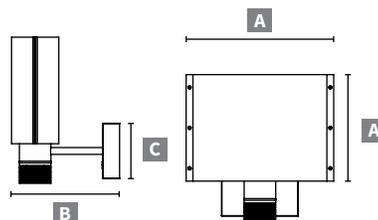
Dimensions — Rostock

A	Shade (w x h)	6.89 x 4.92"	175 x 125mm
B	Extension from Wall	4.92"	125mm
C	Base (w x d x h)	3.55 x 0.82 x 2.57"	90 x 21 x 65mm
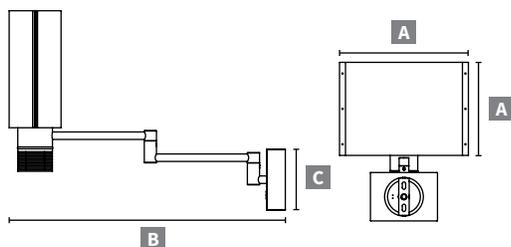
Dimensions — Lubeck

A	Shade (w x h)	6.89 x 4.92"	175 x 125mm
B	Extension From Wall	12.01"	305mm
C	Base (w x d x h)	3.55 x 0.82 x 2.57"	90 x 21 x 65mm
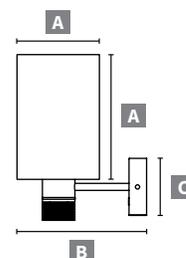
Dimensions

		Jana		Nova	
A	Shade (w x h)	5.51 x 3.74"	140 x 95mm	ø5.51 x 3.74"	140 x 95mm
B	Extension From Wall	12"	305mm	12"	305mm
C	Base (w x d x h)	3.55 x 0.82 x 2.57"	90 x 21 x 65mm	ø2.17. x 0.79"	ø55 x 20mm

BANSIN / NORDEN / SAXONY

Bansin

Key Features & Benefits

- Bansin center eyeball adjustable to 25°
- Norden's built-in dimmer controls both White and Red LED output
- Saxony provides optimal lighting effect via rotating design and built-in dimmer

LED Colors

Single Color: Warm, Red (Bansin)
Bi-Color: Warm/Red, Warm/Blue (Norden)
Single Color: Warm (Saxony)

3 YEAR WARRANTY

Norden (Bi-color)

Saxony

Saxony Small

Specifications

	Bansin	Norden	Saxony	Saxony Small
Beam angle (FWHM)	25°	90°	270°	
Power consumption	3W	3W	6W	3W
Luminous flux (lm)	95	192	485	243
Lifetime hours (70% light output)	50,000			
Halogen equivalency	10W	25W	50W	25W
Input voltage	10-30VDC			
Ingress protection (IP)	IP20	IP20	IP40	IP40

Finishes

	Bansin	Norden	Saxony	Saxony Small
Gold		●	●	●
Chrome	●	●	●	●
Matte chrome		●	●	●

CE RoHS COMPLIANT

Bansin

Norden

Saxony / Saxony Small
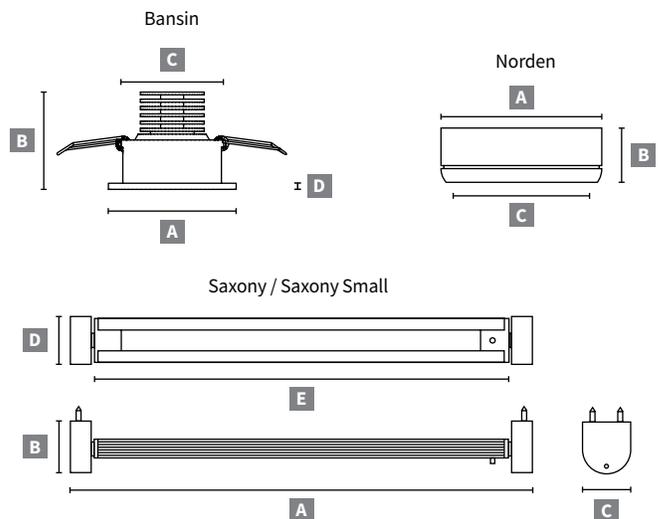
Dimensions

	Bansin		Norden		Saxony		Saxony Small	
A	1.73"	44mm	2.36"	60mm	13.1"	334mm	6.6"	184mm
B	1.32"	33mm	0.79"	20mm	1.48"	37.5mm	1.48"	37.5mm
C	1.5"	38mm	2.36"	60mm	1.38"	35mm	1.38"	35mm
D	0.43"	11mm	N/A		1.38"	35mm	1.38"	35mm

CABIN
DENMARK

Cabin Denmark lamps give your yacht a touch of luxury and distinctive Old World charm. Imtra's selection of Cabin lights includes the Cabin and Ocean reading light and the Ocean Chart lamp. Each model features the authentic Danish craftsmanship and attention to detail that have made Cabin lights a favorite of boat owners and builders for decades.

Sabre Yachts

CABIN DANISH LIGHTS

Key Features & Benefits

- The original Cabin "Frigast" yacht lights
- Stainless steel construction
- May be fitted with high output G4 bi-pin LED bulb

LED Colors

Single Color: Warm, Cool

2 YEAR WARRANTY

Specifications*

	Cabin	Ocean	Ocean Chart
Beam angle (FWHM)	120°		
Power consumption	2.2W		
Luminous flux (lm)	120		
Lifetime hours (70% light output)	25,000		
Halogen equivalency	10W		
Input voltage	10-30VDC		
Ingress protection (IP)	IP20		

* Specifications are based on use with X-Beam Warm White LED bulb

Finishes

	Cabin	Ocean	Ocean Chart
Polished stainless steel		●	●
PVD Gold	●		
Chromed brass	●		

CE RoHS COMPLIANT F

Cabin

Ocean

Cabin Sailboat Spreader Light

Key Features & Benefits

- Models for deck & up light (mast) illumination
- Elliptical optics for efficient deck illumination
- Designed to fit shape of modern spreaders
- Long lasting titanium anodized finish
- Suitable for 12V & 24V systems
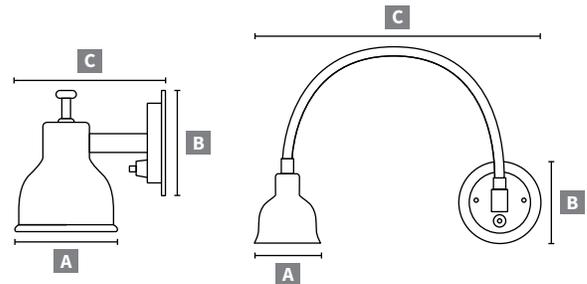
Dimensions- Cabin

A	Shade/Bell Diameter	3.63"	92mm
B	Mounting Base Diameter	3.63"	92mm
C	Extension From Wall	5.13"	130mm

Dimensions- Ocean

		Small		Medium	
A	Shade/Bell Diameter	2.88"	73mm	3.63"	92mm
B	Mounting Base Diameter	3.63"	92mm	3.63"	92mm
C	Extension From Wall	4.38"	111mm	5.00"	127mm

Dimensions- Ocean Chart

		Small		Medium	
A	Shade/Bell Diameter	3.00"	76mm	3.63"	92mm
B	Mounting Base Diameter	3.63"	92mm	3.63"	92mm
C	Extension From Wall	15.75"	400mm	15.75"	400mm

FRENSCH LIGHTING

Frensch Lighting is world-renowned for products that combine German ingenuity and design with high quality materials. Imtra is your source for Frensch lighting fixtures including surface-mount lights, recessed lights and flexible chart lights. They offer efficient, space-saving solutions while providing plenty of power to meet your needs. Frensch low profile surface-mount and recessed lights also feature the unique illuminated touch sensor – switching without any switches!

Nordhavn Yachts

F-4 & F-26 CHART LIGHTS / F-23

Key Features & Benefits

- Flexible umbilical (gooseneck) design chart lights
- TouchLED switch technology
- Bulkhead and table mount options
- Programmable "red" nightlight function (F-4 only)
- F-23 provides a subtle indirect wall-wash effect
- F-23 is compatible with DMS series dimmers

Bulkhead Mount

LED Colors

Single Color: Cool, Red (F-26)

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

Single Color: Warm, Cool, Red, Blue, Green (F-23)

3 YEAR WARRANTY

Specifications

	F-4	F-26	F-4 Long	F-23
Beam angle (FWHM)	44°	29°	44°	Wall Wash
Power consumption	2.0W	2.0W	2.0W	0.5W
Luminous flux (lm)	85	75	75	25
Lifetime hours (70% light output)	50,000			
Halogen equivalency	10W			5W
Input voltage	10-30VDC			
Ingress protection (IP)	IP50			IP67

F-4

F-26

F-23

Finishes

	F-4	F-26	F-4 Long	F-23
Black	●	●	●	●
White	●	●	●	
Chrome	●	●	●	
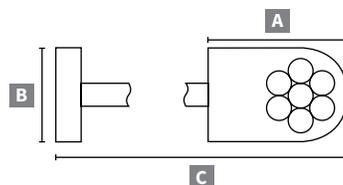
Dimensions

	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

Dimensions

	F-23	
A Length	N/A	
B Width	Ø1.41"	36mm
C Height	0.35"	9mm

F - 2 8

Key Features & Benefits

- Ultra slim surface-mount form factor
- High lumen, non-glare light output
- Single color and bi-color models available
- Rear or side-entry cabling
- Certified ignition protected

LED Colors

Single Color: Cool, Warm

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

3 YEAR WARRANTY

Super low-profile utility light

Surface mount cabling provision

Glare-free precision optic

Screw mounting

Impact-resistant UV-stable
PCB housing, self-extinguishing

F-28

Models available with integrated "touch" sensor switch

Specifications

Beam angle (FWHM)	80°
Power consumption	7W
Luminous flux (lm)*	600
Lifetime hours (70% light output)	50,000
Halogen equivalency	65W
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

CE RoHS COMPLIANT
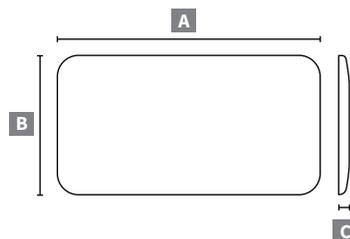
Dimensions

A	Length	6.70"	170mm
B	Width	3.54"	90mm
C	Height	0.51"	13mm

F-70

Key Features & Benefits

- Convenient surface-mount design that is completely impervious to water intrusion
- Impact-proof, UV stabilized PC construction
- Specially designed waterproof magnetic slide switch
- Glare-free high precision optics
- Ignition-protected (certification pending)
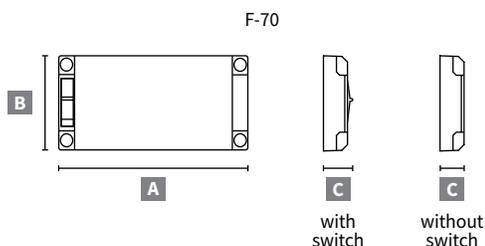
LED Colors

Single Color: Cool

3 YEAR WARRANTY

F-70

Specifications

Beam angle (FWHM)	60°
Power consumption	5W
Luminous flux (lm)	400
Lifetime hours (70% light output)	50,000
Halogen equivalency	40W
Input voltage	10-30VDC
Ingress protection (IP)	IP67

Finishes

Opaque

F-70

B

A

C
with switch

C
without switch

Dimensions

A	Length	4.72"	120mm
B	Height	2.36"	60mm
C	Width with switch	0.67"	17mm
D	Width without switch	0.59"	15mm

RESOLUX 805 SERIES

Key Features & Benefits

- Attractive low profile surface-mount design
- Environmentally friendly solution replacing legacy fluorescent fixtures
- Optional integrated switch
- Wide beam angle and excellent color rendering

LED Colors

Single Color: Warm, Cool

3 YEAR WARRANTY

805

805 Long Light

Specifications

	805	805 Long Light
Beam angle (FWHM)	100°	
Power consumption	8W	16W
Luminous flux (lm)*	500	1,000
Lifetime hours (70% light output)	50,000	
Halogen equivalency	50W	100W
Input voltage	10-30VDC	
Ingress protection (IP)	IP65**	

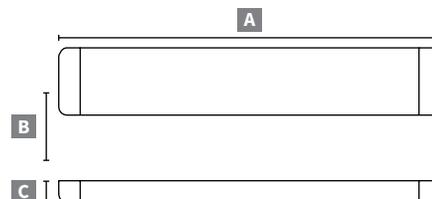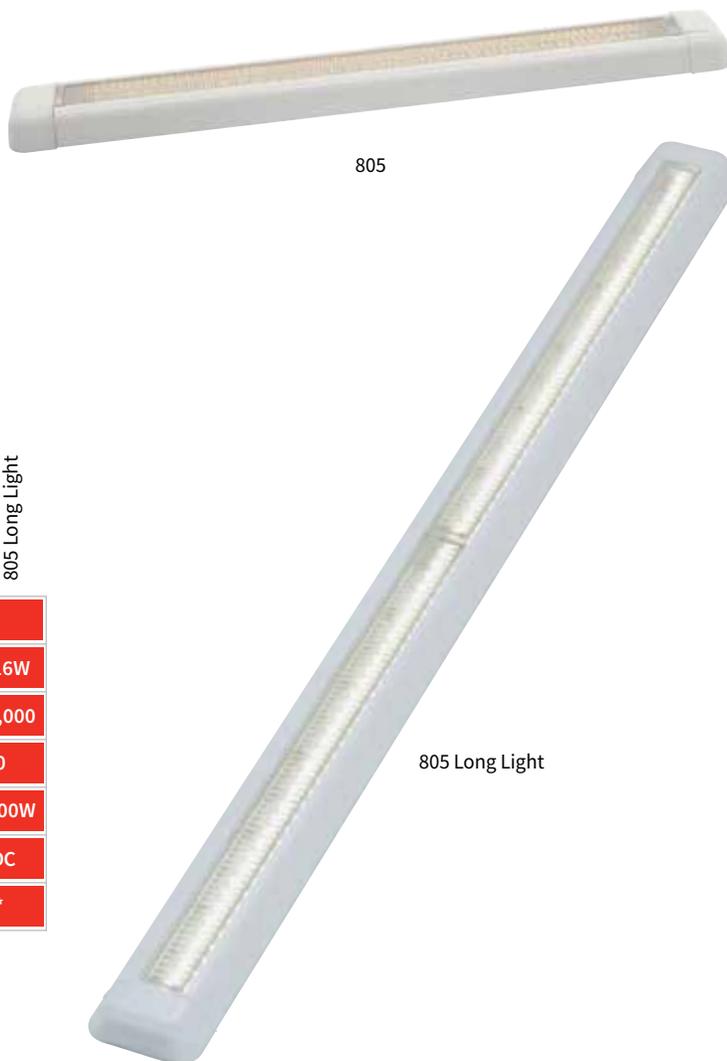* Luminous flux figures are for cool white only. Other figures are available on our website.

** Switched versions are IP40

Finishes

White

CE · RoHS COMPLIANT · F

Resolux 805 Series is compatible with our DMS Series dimmers (pg. 49)

Dimensions

		805		805 Long Light	
A	Length	13.80"	351mm	26.80"	655mm
B	Width	1.93"	49mm	1.93"	49mm
C	Height	0.63"	16mm	0.63"	16mm

RESOLUX 871 / 872 / 873

Key Features & Benefits

- Surface mount with 270° rotation
- Integrated 10-30VDC drive electronics
- Integrated push-button dimming
- Illuminated dimmer switch is easily located in the dark
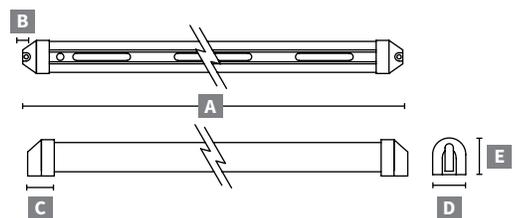- No radiated heat – safe to touch

LED Colors

Single Color: Warm

3 YEAR WARRANTY

871

872

873

Specifications

	871	872	873
Beam angle (FWHM)	58°		
Power consumption	3W	6W	9W
Luminous flux (lm)	200	400	600
Lifetime hours (70% light output)	50,000		
Halogen equivalency	20W	40W	60W
Input voltage	10-30VDC		
Ingress protection (IP)	IP40		

Finishes

White

CE RoHS COMPLIANT

Dimensions

		871		872		873	
A	Length	9.41"	239mm	16.9"	429mm	24."	619mm
B	Hole Spacing	0.14"	3.43mm	0.14"	3.43mm	0.14"	3.43mm
C	Width	0.98"	25mm	0.98"	25mm	0.98"	25mm
D	End Cap Width	1.22"	3.10mm	1.22"	31.10mm	1.22"	31.10mm
E	Height	1.35"	34.30mm	1.35"	34.30mm	1.35"	34.30mm

F-30

Key Features & Benefits

- LED replacement for Resolux 700 Series fluorescent
- A+ Energy Efficiency Rating (EU-Directive 87412012)
- Dimming compatibility with most halogen PWM digital dimmers
- Rear or surface-mount cabling
- Wide beam illumination
- UV stable PC lens will not yellow over time
- Maintenance free: no bulbs to change or store

LED Colors

Single Color: Warm, Cool

3 YEAR WARRANTY

F-30

Specifications

	F-30.1	F-30.2	F-30.3	F-30.4
Beam angle (FWHM)	108°			
Power consumption	8W	16W	24W	32W
Luminous flux (lm)*	600	1300	1800	2600
Lifetime hours (70% light output)	50,000			
Halogen equivalency	65W	130W	195W	260W
Input voltage	12VDC or 24VDC			
Ingress protection (IP)	IP40			

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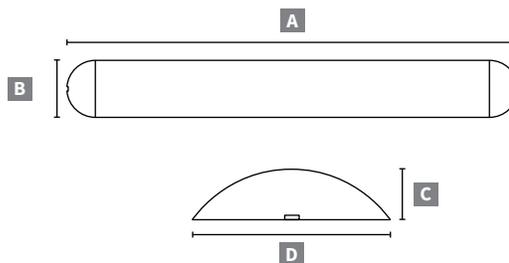
Finishes

White

CE   RoHS COMPLIANT

F-30 Series is compatible with our DMS Series dimmers (pg. 49)

Dimensions

		F-30.1		F-30.2		F-30.3		F-30.4	
A	Length	15.12"	384mm	26.53"	674mm	37.95"	964mm	49.37"	1254mm
B	Width	3.35"	85mm	3.35"	85mm	3.35"	85mm	3.35"	85mm
C	Height	0.87"	22mm	0.87"	22mm	0.87"	22mm	0.87"	22mm

F - 4 0

Key Features & Benefits

- Super thin low-profile design
- Easily mounts to any surface with just 4 screws (provided)
- Completely blended, neon-like illumination
- Models available with or without switch
- Anodized aluminum housing for excellent thermal management

LED Colors

Single Color: Warm, Cool

3 YEAR WARRANTY

F-40

Specifications

	F-40.1	F-40.2	F-40.3	F-40.4
Beam angle (FWHM)	105°			
Power consumption	9W	18W	27W	36W
Luminous flux (lm)*	700	1400	2100	2800
Lifetime hours (70% light output)	50,000			
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

CE RoHS COMPLIANT

A

B

C
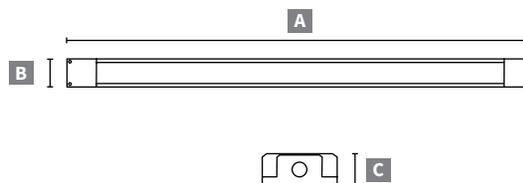
Dimensions	F-40.1		F-40.2		F-40.3		F-40.4	
A Length	19.68"	500mm	36.81"	935mm	53.93"	1370mm	71.06"	1805mm
B Width	1.18"	30mm	1.18"	30mm	1.18"	30mm	1.18"	30mm
C Height	0.51"	13mm	0.51"	13mm	0.51"	13mm	0.51"	13mm

LEDs have revolutionized the way we illuminate our living environments on board. Nowhere else is the brightness and reliability of LEDs more appreciated than in work areas such as engine rooms and utility spaces. LEDs are impervious to shock and vibration, and since they require no warm-up period, full brightness is realized immediately, even when it's cold! All our utility lights, including those using traditional light sources, are specific for marine use, impervious to moisture, corrosion and soot.

All American Marine

HO LINEAR LIGHTS

Key Features & Benefits

• Engineered to resist rust, corrosion, moisture, dust & impact
• Ideal for new builds and refit projects
• High quality LEDs and driver ensure high reliability and durability
• Available with Stainless Steel or Aluminum mounting brackets
• Shock and vibration proof
• Zero maintenance – no more bulbs to change, store or dispose of

LED Colors

Single Color: 5000K, Cool

5 YEAR WARRANTY

4' Fixture   2' Fixture   1' Fixture
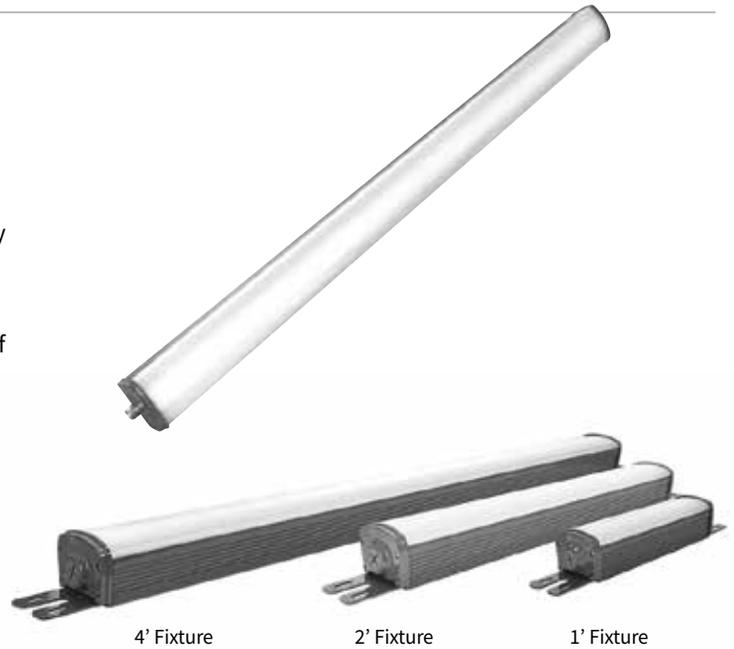
Specifications

	1-ft.	2-ft.	4-ft.
Beam angle	180°		
Power consumption	30W	60W	100W
Luminous flux (lm)*	4000	7800	13000
Lifetime hours	50,000		
Input voltage	120-277V		
Ingress protection (IP)	IP67		

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

Finishes

	1-ft.	2-ft.	4-ft.
Grey	●	●	●
White	●	●	●

CE   RoHS COMPLIANT   UL   Hg MERCURY FREE

Dimensions

For dimensions, please visit www.imtra.com

IML DECK LIGHTS

Key Features & Benefits

- Replaces power-hungry 55W & 100W halogens
- A++ Energy Efficiency Rating (EU-Directive 87412012)
- Low copper ADS 12 Die-Cast Aluminum Housing
- Durable Electrostatic Applied Epoxy Coating
- Extra-long marine-grade sheathed copper stranded cable
- IP67 Waterproof Rating

LED Colors

Single Color: Cool

1 YEAR WARRANTY

ILDL-10-04

ILSL-1806F

Specifications

	ILDL-10-04	ILSL-1806F	ILSL-1806FB
Beam angle (FWHM)	60°		
Power consumption	10W	16W	
Luminous flux (lm)	700	1050	
Lifetime hours (70% light output)	30,000		
Halogen equivalency	55W	100W	
Input voltage	10-30VDC		
Ingress protection (IP)	IP67		

ILSL-1806FB

Finishes

	ILDL-10-04	ILSL-1806F	ILSL-1806FB
White	●	●	
Black			●

CE RoHS F (symbols)

Dimensions

For dimensions, please visit www.imtra.com

CURVED & STRAIGHT BAR LIGHTS

Key Features & Benefits

- Low copper die-cast aluminum housing with electro deposition
- Interpon 810 Marine grade gloss powder coating
- Impact & UV resistant lens
- Electronic thermal management system
- 304 stainless steel brackets & hardware with isolation washers

LED Colors

Single Color: 5000k, Cool

3 YEAR WARRANTY

Specifications

	Curved Bar Light	Straight Bar Light
Beam angle	10°	25°
Power consumption	75W	135W
Lifetime hours	50,000	
Input voltage	10-32VDC	
Ingress protection (IP)	IP68	

Finishes

Black or White

CE   RoHS COMPLIANT

Powered by

Vision Global Lighting Systems

Dimensions

For dimensions, please visit www.imtra.com

TAPE LIGHT

Key Features & Benefits

- Choose between low power or HO (high power) models
- HO & RGB models are UV resistant for interior or exterior use
- Low power models available in 4, 8, and 16' lengths
- HO models available in 8 & 16' lengths
- RGB model is available in 16' reels only (RGBW controller sold separately)
- All models are supplied with 3M high-bond self-adhesive tape for ease of installation

LED Colors

Single Color: Cool, Warm, Blue, RGB

1 YEAR WARRANTY

Specifications

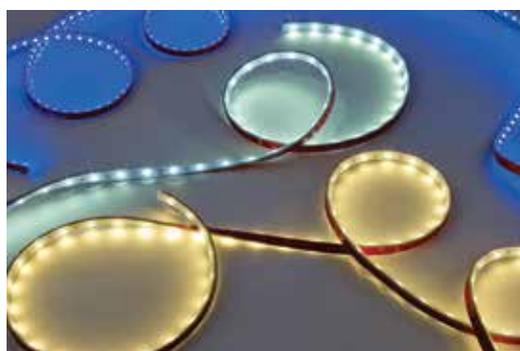|	Standard (Interior)	HO (Interior/Exterior)	RGB Tape Light
Beam angle (FWHM)	120°		
Power consumption	1.25W/ft (4.1W/mt)	2.2W/ft (7.2W/mt)	
Luminous flux (lm)*	128 lms/ft (420lms/mt)	200 lms/ft (655 lms/mt)	
Lifetime hours (70% light output)	N/A		
Halogen equivalency	N/A		
Input voltage	12V + 24V		
Ingress protection (IP)	IP65	IP66	

* Luminous flux figures are for Warm White only. Cool White figures are available on our website (when Cool White is an option)

CE · RoHS COMPLIANT · F · ⬦

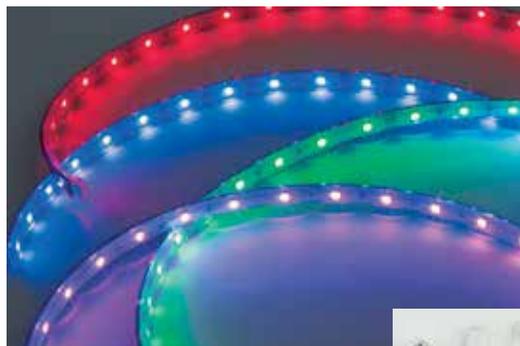**Compatible with our DMS Series dimmers (pg. 49)**

Standard (Interior)

HO (Interior/Exterior)

RGB Tape Light

LED Remote Controller (sold separately)

Dimensions

For dimensions, please visit www.imtra.com

LED ROPE LIGHT

Key Features & Benefits

- Flexible PVC tubing easily bends around tight corners
- Economical and easy to install
- 1" LED spacing provides consistent light coverage
- Typically used under cabinets, behind valances or under toe kicks

LED Colors*

Single Color: Warm, Cool, Red, Blue, Green

*Other colors available upon request

1 YEAR WARRANTY

LED Rope Light

Specifications (LED Rope Light)

	12V (WW,CW,B,G)	12V (Red)	24V (WW,CW,B,G)	24V (Red)	120V (WW,CW,R,B)
Beam angle (FWHM)	Omni-directional				
Power consumption	.87W/ft	.65W/ft	.87W/ft	.58W/ft	.73W/ft
Luminous flux (lm)**	80lm/ft				
Lifetime hours (70% light output)	10,000				
Halogen equivalency	5W/ft				
Input voltage	12VDC	12VDC	24VDC	24VDC	120VAC
Ingress protection (IP)	IP65				

Neon LED Rope Light

Specifications (Neon LED Rope Light)

	12V (WW,CW,BL)	24V (WW,CW,BL)	120V (WW,CW,R,B)
Beam angle (FWHM)	160°		
Power consumption	2.44W/ft		
Luminous flux (lm)**	85lm/ft		
Lifetime hours (70% light output)	10,000		
Halogen equivalency	10W/ft		
Input voltage	12VDC	24VDC	120VAC
Ingress protection (IP)	IP66		

** Luminous flux figures are for Warm White only. Cool White figures are available on our website (when Cool White is an option).

CE   ETL Intertek
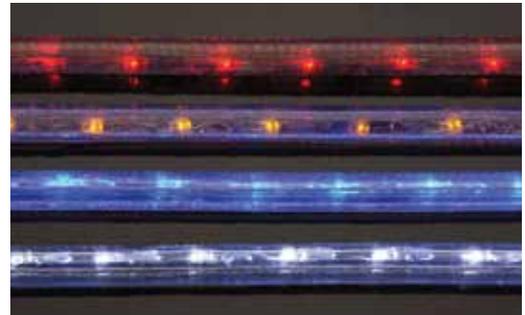
Dimensions

For dimensions, please visit www.imtra.com

SINGLE & DUAL CHANNEL POWERLED PWM DIMMERS

Single Channel Model

- Purpose designed for use with Imtra 2-wire and 3-wire single and bi-color PowerLEDs
- Operates a single circuit (7A max capacity)
- Permits control of single and bi-color lights on a single circuit
- May be used with single throw or double throw momentary switches
- Supports unlimited number of N/O switches connected in parallel

Dual Channel Model

- Purpose designed for use with Imtra 2-wire single and 3-wire bi-color PowerLEDs
- Operate 2 channels independently or in "paired" mode for controlling both channels in unison (14A total capacity)
- Dims bi-color PowerLEDs with a single momentary switch
- May be used with single throw or double throw momentary switches
- Supports unlimited number of N/O switches connected in parallel

IML Single Channel Dimmer

2 YEAR WARRANTY

MADE IN U.S.A.

Specifications

	ILIM80140 (Single Channel)	ILIM80130 (Dual Channel)
Input voltage	10-40VDC	
Power capacity	7A	7A/Channel (14A total)
Control interface	N.O. Contacts	
Control inputs	Momentary switches, 0-10V and 4-20mA Analog	

CE RoHS COMPLIANT F

See our website for dimmer compatibility chart.

IML Dual Channel Dimmer

4-20mA Analog   Wall Switches   0-10V Analog

Voltage Supply
(+) 10-40VDC
(-) Return

imtra
PowerLED Dimming Control Module

1-Channel 7A   Bi-Color Dimming   Single Color Dimming   2-Channel 2 x 7A
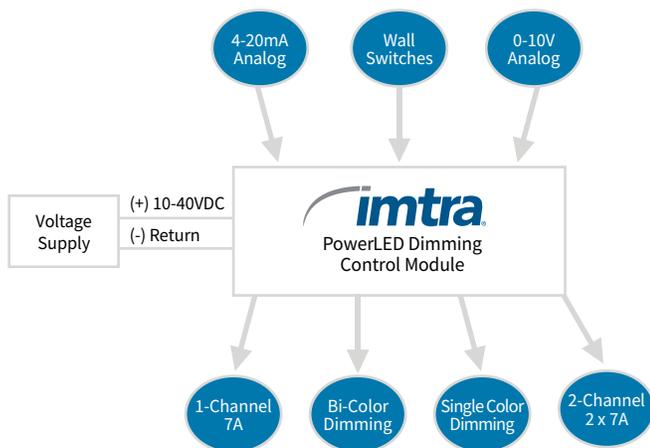
Dimensions

For dimensions, please visit www.imtra.com

INTERVOLT & DMS DIMMERS

Intervolt SLD Switchmode Dimmers

- PWM dimming for halogen and many 2-wire LED products
- Supports unlimited number of N/O momentary switches
- Master/Slave function for unlimited power stacking
- Duodim model operated 2 channels independently or in combined channel mode
- Compatible with Imtra Sigma and AcXent LED fixtures

DMS 500/850 Series Digital Dimmers

- High frequency PWM delivers flicker-free lighting at all levels
- Smoothly dims most LED bulbs as well as flexible or rigid LED strips
- Compatible with Imtra, Sigma, AcXent and most 2-wire LEDs
- Can be controlled with a variety of input devices including momentary switches
- Accepts 0-10V (source) input signal from centralized control systems
- Simple synchronization of multiple units for controlling larger loads

Intervolt SLD Dimmer

DMS-500

DMS-850

2 YEAR WARRANTY

Specifications

Specifications	SLD2040DC	SLD2040DD	SLD2550DC	DMS-500	DMS-850
Input voltage	9-33VDC			6-30VDC	
Power capacity	16.7A	21A		5A	8.5A
Power stacking	Yes	No	Yes	Yes	
Standby current	>10mA			<1.0mA	
Complete Off	Yes			Yes	
Control interface	N/O push-button			N/O push-button or Potentiometer	
Ingress protection (IP)	IP40			IP20	

Finishes

Finishes	SLD2040DC	SLD2040DD	SLD2550DC	DMS-500	DMS-850
Blue anodized aluminum	●	●	●		
Blue ABS/C end caps	●	●	●		
White polycarbonate				●	●

CE RoHS COMPLIANT

Dimensions

For dimensions, please visit www.imtra.com

CONVERTERS

Key Features & Benefits

- AC/DC converters for LEDs and sensitive electronics
- Provides stable voltage regulation and protection against damaging spikes
- Overload, over-current, under/over voltage, thermal, and RFI protections
- Visit www.imtra.com for a complete list of models and specifications

2 YEAR WARRANTY

Several models to choose from

AC/DC LED Converter

24V to 12VDC Converter

Specifications	Meanwell LPV 20W Voltage Regulated LED Converters	Meanwell CLG 60W Voltage Regulated LED Converters	Meanwell CLG 100W Voltage Regulated LED Converters	Meanwell 150W Voltage Regulated LED Converters	Meanwell HLG 320W Voltage Regulated LED Converters	Meanwell HLG 600W Voltage Regulated LED Converters	USB Voltage Converter (converts USB media to 5V charging outlet)	Intervolt SVC 7A DC-DC Converter	Imtra 3A DC-DC Converter	Lutron Hi-Lume A Constant Voltage Driver (for AcXent)	Meanwell PWM Dimmable Power Supply (for AcXent)
Input voltage	90-264VAC				90-305VAC	90-305VAC	8-40VDC	9-33VDC	8-40VDC	110-130VAC	90-305VAC
Frequency range	47-63Hz						N/A	N/A	N/A	50-60Hz	47-63Hz
Output voltage	12V or 24VDC						5.0VDC	13.7VDC	12VDC	24VDC	24VDC
Power capacity	20W	60W	100W	150W	320W	600W	15W	96W	36W	40W	120W
Ingress protection (IP)	IP67							IP40	IP67	IP20	IP67

LED Converter

CE   RoHS COMPLIANT   [ ]   UL   C

Dimensions

For dimensions, please visit www.imtra.com

INTERVOLT POWER CONDITIONERS

Voltage Transient Protection & LED Lighting

All Imtra manufactured LED light fixtures and most of our distributed products incorporate the use of transient voltage suppression diodes for the purpose of protecting the IC (integrated circuit) against high voltage spikes and transients. Although lasting only milliseconds, transients will damage sensitive electronics and LED lights that do not have adequate voltage suppression as part of their architecture.

This is the case with many non-marine LED products including commodity products such as LED rope light and LED tape light. As a precaution when using these products on boats, we high recommend the use of power conditioners (aka voltage stabilizers).

Imtra offers a range of Intervolt Power Conditioners for protection of sensitive electronics and LED lighting against voltage dips, spikes and transients.

SVS Voltage Stabilizer

SPCi Mini Power Conditioner

SPCi Power Conditioner Gen II

2 YEAR WARRANTY

Specifications

	12V SVS	24V SVS	12VDC SPCi Mini, 7A	24V SPCi Mini, 5A	12VDC SPCi Gen II, 20A	24VDC SPCi Gen II, 20A
Input voltage	11-17V	22-33V	10-16VDC	17-33VDC	10.5-16VDC	20-33VDC
Output voltage	12.5VDC	25VDC	12.5-13.6VDC Adjustable	25.0-27.2VDC Adjustable	12-14.4VDC Adjustable	24-28VDC Adjustable
Power capacity (continuous load)	5.0A	2.5A	7.0A	5.0A	20A	
Galvanic isolation	No		Yes			
Battery charge mode	No				Yes (2 Stage)	
Line/load regulation	Yes					
Transient protection	Yes					
Surge protection	Yes					
Diagnostics	LED				LED/Alarm	
Remote control	No				Yes	
Ingress protection (IP)	IP40					

Finishes

Blue anodized aluminum housing	●	●	●	●	●	●
Blue ABS/C end caps	●	●	●	●	●	●

CE RoHS COMPLIANT C

Dimensions

For dimensions, please visit www.imtra.com

SEARCHLIGHTS & NAVIGATION LIGHTS

Since 1922, Den Haan Rotterdam (DHR) has manufactured high-quality lighting equipment for the maritime industry. DHR searchlights adopt the most advanced LED technology available, utilizing materials that can stand up to the harsh weather conditions at sea.

Rugged and compact, combining style and functionality, DHR searchlights and navigation lights are the perfect solution for recreational and commercial vessels.

Nordhavn Yachts

DHR NAVIGATION LIGHTS & SEARCHLIGHTS

DHR 40 LED

- Compact navigation light for small vessels
- Excellent visibility characteristics at high vertical angles
- Flashing option
- 50,000 hour lifetime with no interference noise
- Available with base, side and pipe mounting

Materials

Black, hard anodized seawater-resistant aluminum

POM base, borosilicate glass lens, Epoxy potted LED driver

3 YEAR WARRANTY

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 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

1 YEAR WARRANTY

DHR 40 LED

DHR 150

DHR 180

DHR 230

Specifications

	DHR 40	DHR 150	DHR 180	DHR 230
Power consumption	3.1-11.4W based on range	10W	TBA	10W
Voltage (VDC)	24	10-32	10-32	10-32
Ingress protection (IP)	IP66	IP56	IP56	IP66
Range at 1 Lux	447m			

Dimensions

For dimensions, please visit www.imtra.com

Throughout this catalog, you will find icons that indicate the type of light featured on the page. For a quick reference guide to the products organized by type of fixture, please use this Product Index.

VIMAR
Modular Switching System

Imtra is the supplier of choice for the marine industry's most popular decorative switching system. Designed and manufactured in Italy, Vimar® switching is available in three distinct collections: Idea, Eikon and Arké. Each series boasts over 200 functions (switches, dimmers, outlets, sockets, etc.) with dozens of cover plate choices in a variety of configurations, colors and materials. For the ultimate in on-board lighting command and control, Vimar's By-me Marine® automated control system is user-friendly, easy to program, and simple to install and maintain.

Download a Vimar catalog at www.imtra.com.

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:

Symbol	Description	Symbol	Description
CE	European Conformity Mark of Approval	FC	Meets or Exceeds FCC Standards
RoHS	Compliant to Restrictions of Hazardous Substances Directive	ABS	ABS Design Assessed
F	Suitable to Inflammable Surfaces	C	C-Tick Safety Mark
Class 3	Class 3		Russian Maritime Register of Shipping Certified
Class 1	Class 1	DNV	Tested & Approved by Det Norske Veritas
ETL	Tested and Approved by ETL to meet U.L. Standards	NSF	Certified to Applicable Public Health & Safety Standards
UL	Tested and Approved by U.L. to meet U.L. Standards	TÜV	Tested & Approved by TUV Labs
TAA	Trade Agreement Act Compliant	USDA	USDA Compliant
ANAB	ANSI-ASQ National Accreditation Board		Designed & Assembled in the U.S.A.

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.

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The Imtra Learning Center

The Imtra Learning Center is a great resource for finding answers to your questions regarding marine equipment. Everything from thruster and windlass selection guides to articles comparing LED and halogen lighting to fins vs. gyro stabilizers and more can be found in the Learning Center. It's always being updated, so be sure to check in regularly! Go to www.imtralearningcenter.com.

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CORPORATION

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508.995.7000 www.imtra.com
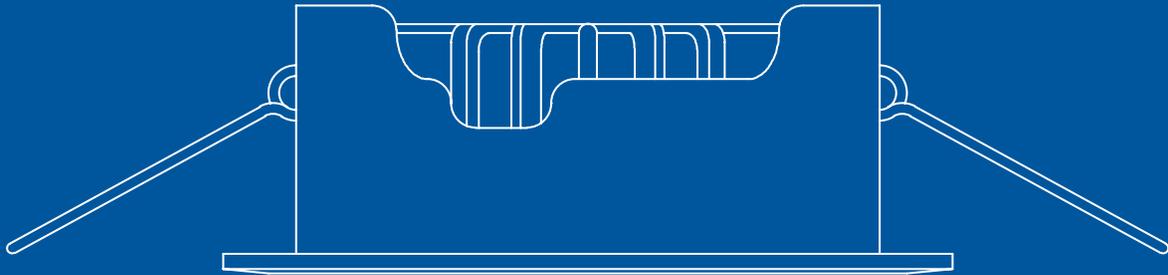
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