DRSA

Since 1988

INNOVATIONS IN ILLUMINATION
- MARINE & RV -

Fall 2014 Vol. 1

ODRSA

Since 1988

INNOVATIONS IN ILLUMINATION
- MARINE & RV -

Innovations in illumination for more than 25 years, DRSA designs, develops, manufactures and imports luminaires, light bulbs and LEDs to illuminate your entire vessel from bow to stern. Our responsive staff has over 100 years of combined marine and lighting expertise. Let us provide your complete lighting solutions.
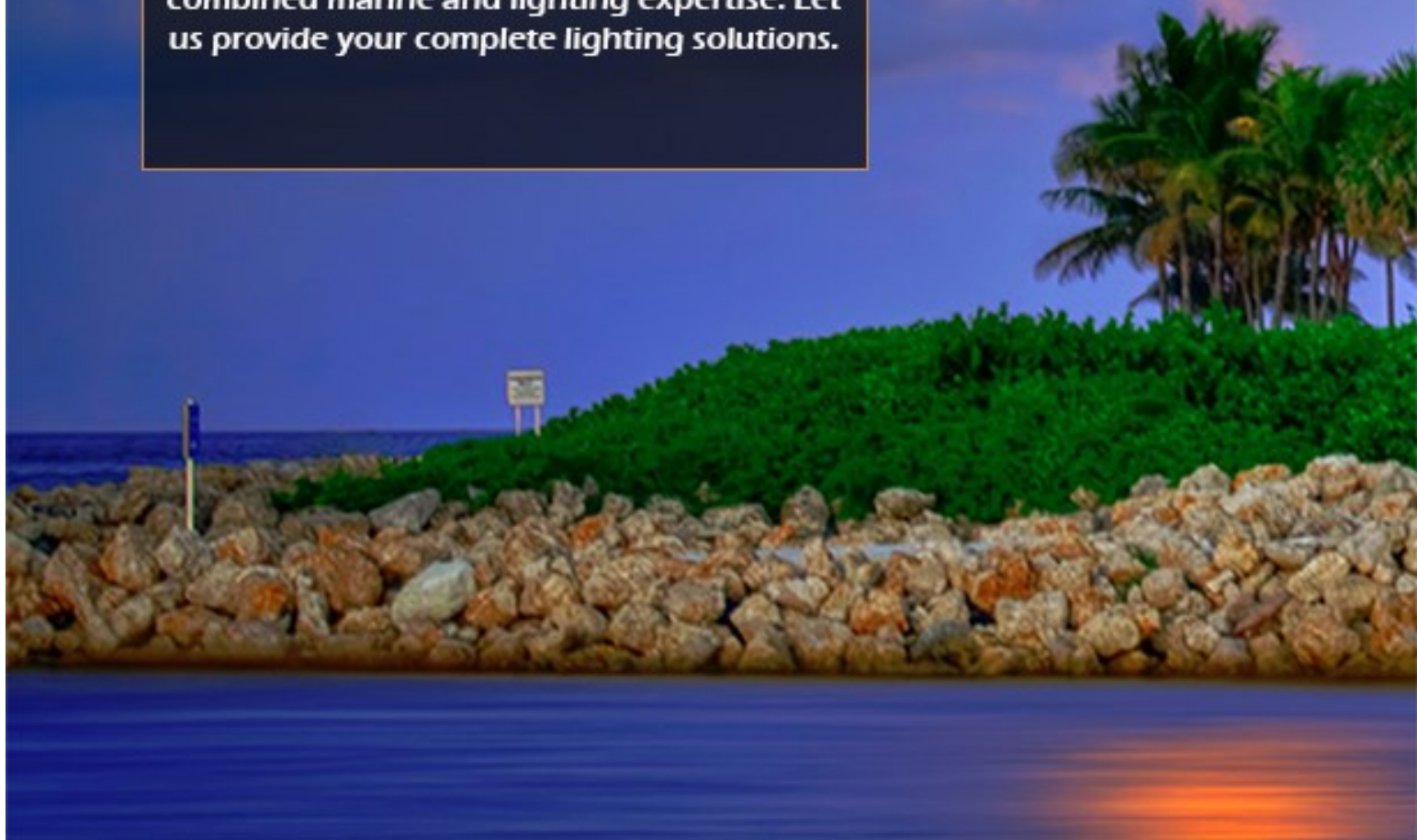
More Reasons Better Solutions

DRSA has supplied only Light Fixtures, Electrical Devices and other associated electrical products for the Marine Industry for more than 25 years. No other products compete for our loyalty, attention and investment.

DRSA provides fixtures fully assembled to your specifications. A variety of finishes, lights, bulbs, colors and covers are available to meet your needs.

There is NO minimum order quantity. We ask only that you give us 90-day projections on your monthly usage report in order for us to have ample inventory for your purchasing and production requirements.

We have streamlined processes to improve communications and keep operation costs down, allowing us to pass savings on to our customers.

We have a strong customer service focused team to make sure you get what you need when you need it. We partner with you to assure your success.
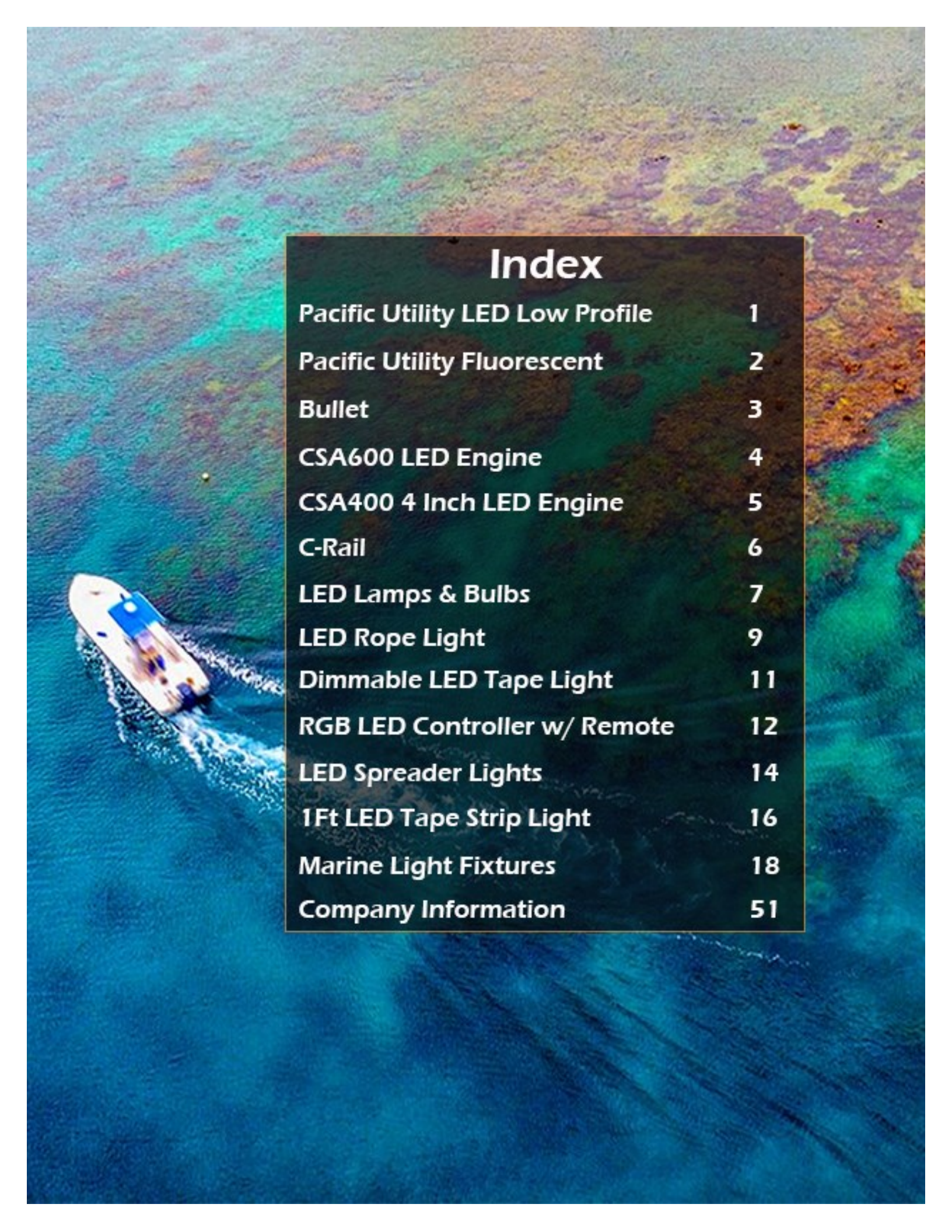
Technical support is provided for Boat Builder, Dealers and end users.

We offer a LIFETIME WARRANTY on all products except for bulbs to you and the owner's of your Yachts.

We carry liability insurance of $3,000,000.00 per incident.

DRSA takes pride in participating in numerous boat shows such as IBEX, Miami Boat Show, Palm Beach Boat Show and Ft. Lauderdale International Boat Show.

DRSA provides only the highest quality fixtures and electrical products engineered for the marine environment. Our reputation for quality, support and service is unquestioned.

Index

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Innovations In Illumination
- Marine & RV -

CSA American Made

Pacific Utility LED Low Profile

Item#	Description	List Price
005.203500.LPO	12/24V DC Daylight White, 1850 Lumen, 5000K, 14W	$180.00
005.203407.LPO	12/24V DC Cool White, 1850 Lumen, 6500K, 14W	$180.00
005.203500.LP2	100-240V AC & 12VDC Daylight White, 1850 Lumen, 5000K, 14W	$260.00
005.203524.LP2	100-240V AC & 24VDC Daylight White, 1850 Lumen, 5000K, 14W	$260.00
005.203407.LP2	100-240V AC & 12VDC Cool White, 1850 Lumen, 6500K, 14W	$260.00
005.203424.LP2	100-240V AC & 24VDC Cool White, 1850 Lumen, 6500K, 14W	$260.00

Quantity Discounts	
1 to 5	List
6 to 15	2.5%
16 to 50	5%
50+	7.5%

D: 12" / 305mm

E: 5-1/2" / 140mm

F: 2" / 51mm
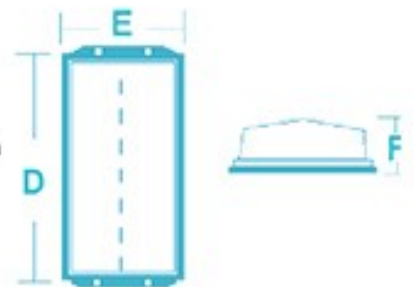
Dual Voltage Wiring Diagram
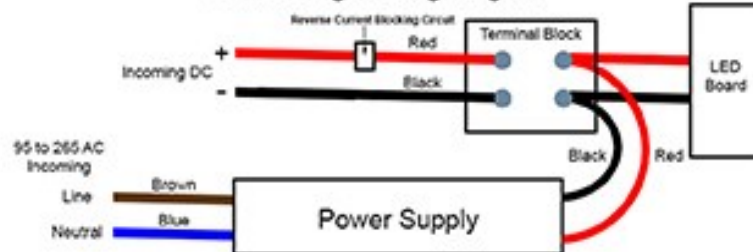
Reverse Current Blocking Circuit
Red
Terminal Block
LED Board
Incoming DC +
Black
−
95 to 265 AC Incoming
Line   Brown
Neutral   Blue
Power Supply
Black   Red

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Pacific Utility / Engine Room Light

Item#	Description	List Price
005.203500.000	12/24V DC Daylight White, 1850 Lumen, 5000K, 14W	$175.00
005.203500.165	12/24V DC Cool White, 1850 Lumen, 6500K, 14W	$175.00
005.203500.002	100-240VAC & 12V DC Daylight White, 1850L, 5000K, 14W	$255.00
005.203500.065	100-240VAC & 12V DC Cool White, 1850L, 6500K, 14W	$255.00
005.203524.002	100-240VAC & 24VDC Daylight White, 1850L, 5000K, 14W	$255.00
005.203524.065	100-240VAC & 24VDC Cool White, 1850L, 6500K, 14W	$255.00

Quantity Discounts

1 to 5	List
6 to 15	2.5%
16 to 50	5%
50+	7.5%

A: 11 Inches / 280 mm

B: 5 1/16 Inches / 128 mm

C: 3 1/16 Inches / 77 mm
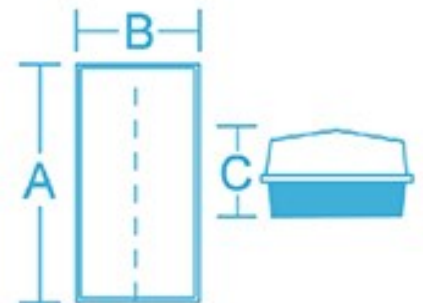
Dual Voltage Wiring Diagram
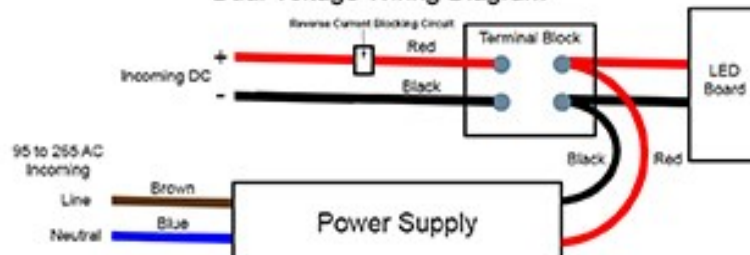
Reverse Current Blocking Circuit

Incoming DC +   Red   Terminal Block   LED Board
Incoming DC −   Black

95 to 265 AC Incoming
Line   Brown
Neutral   Blue   Power Supply

Black   Red

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Bullet

This micro-sized LED fixture comes packed with an astonishing powerful light output comparable to a fixture that is many times larger.

Less Than 10mm wide
Less Than 15mm deep

Save Money w/ LED

- White
- Red
- Blue
- Green
- Multi-Color

Innovations in illumination for more than 25 years, DRSA designs, develops, manufactures and imports luminaires, light bulbs and LEDs to illuminate your entire vessel from bow to stern. Our responsive staff has over 100 years of combined marine and lighting expertise. Let us provide your complete lighting solutions.

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CSA American Made

CSA600 LED Engine

Features

Number of LEDs 15
Integral Driver and Heatsink
Dimmable
Power: 12/24 V DC
Power Consumption: 5.5 Watts
Beam Angle: 120 degrees
Lumens: 600 Daylight White (5000K)
550 Warm White (2700K)
Size: 1.799" (45.7mm) Diameter x 0.715"
(18.16mm) High
Available in Daylight White and Warm White

1.799"
45.700mm

0.715"
18.161mm

Item#	Description	List Price
006.CSA600.010	5.5W 550 Lumen LED Engine, Warm White (2700K), 12/24V DC	$63.00
006.CSA600.020	5.5W 600 Lumen LED Engine, Daylight White (5000K), 12/24V DC	$63.00

1 LED Engine

2 Thermal Pad

3 Heatsink
Black Anodized Aluminum

4 Constant Current Driver

Quantity Discounts	
1 to 5	List
6 to 15	2.5%
16 to 50	5%
50+	7.5%

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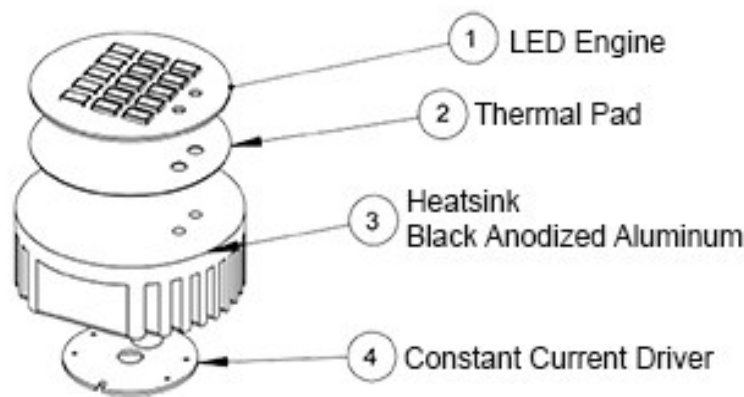
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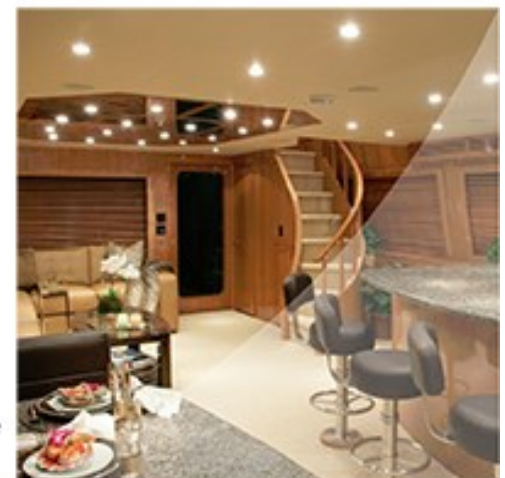
CSA400 4 Inch LED Engine

Number of LEDs 18
Integral Driver and Heatsink
Dimmable
Power: 12/24V DC
Power Consumption: 4.5 Watts
Beam Angle: 90 degrees
Lumens: 520 Daylight White (5000K)
480 Warm White (2700K)
Size: 4" Diameter
Available in Daylight White and Warm White

Perfect LED solution for larger lights. Less heat, lower energy draw,
lower maintenance costs and a beautiful, dimmable light source.

Item#	Description	List Price
006.CSA400.010	4 Inch LED Engine Warm White, 12/24V DC, 480 Lumen, 2700K, 4.5W	$60.00
006.CSA400.020	4 Inch LED Engine Daylight White, 12/24V DC, 520 Lumen, 5000K, 4.5W	$60.00

Quantity Discounts	
1 to 5	List
6 to 15	2.5%
16 to 50	5%
50+	7.5%

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C-Rail LED Light

Features

12VDC / 24VDC Optional
Max Wattage 10w
LED PCB (Printed Circuit Board)
300 Lumens varies with Color
Clear Lens

Colors
    Blue
    Red
    White
    Amber
    Green

Finishes
    Stainless Steel (316)
    SS (316) Powder Coat Black
    SS (316) Powder Coat White

Coming Soon - Aluminum

Available Sizes

Length - 3 3/4"
Rail Sizes - 1" and 1 1/4"

Comging Soon - More Sizes

Installation Instructions

1) Drill hole in railing and de-burr hole.

2) Run Power Wires into railing. Connect to 12VDC power source.

3) Place Lens over PCB to mark screw hole

4) Remove backing from water resistant tape on back of PCB and adhere into place on railing.

5) Drill and tap screw holes.

6) Place lens in housing and install over PCB

7) Install mounting screws.

*   24V Systems Will Require
   24VDC to 12VDC Converter

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LED Lamps & Bulbs

G4 Base, 6 LED, 10-30V AC/DC, 1.3W, 100-120LM, Dimmable, 25mm Dia

Item#	Description	List Price
006.281040.401	Side Pin, Warm White	$16.75
006.281040.402	Side Pin, Cool White	$16.75
006.281040.403	Back Pin, Long Prong, Warm White	$16.75
006.281040.404	Back Pin, Long Prong, Cool White	$16.75
006.281040.501	Side Pin, Blue	$16.75
006.281040.502	Back Pin, Long Prong, Blue	$16.75
006.281040.503	Side Pin, Red	$16.75
006.281040.504	Back Pin, Long Prong, Red	$16.75
006.281040.505	Side Pin, Green	$16.75
006.281040.506	Back Pin, Long Prong, Green	$16.75

also available with leads in place of pins - same price

G4 Base, 12 LED, 10-30V AC/DC, 1.5W, 120-140LM, Dimmable, 30mm Dia

Item#	Description	List Price
006.281040.411	Side Pin, Warm White	$19.95
006.281040.412	Side Pin, Cool White	$19.95
006.281040.413	Back Pin, Long Prong, Warm White	$19.95
006.281040.414	Back Pin, Long Prong, Cool White	$19.95
006.281040.511	Side Pin, Blue	$19.95
006.281040.512	Back Pin, Long Prong, Blue	$19.95
006.281040.513	Side Pin, Red	$19.95
006.281040.514	Back Pin, Long Prong, Red	$19.95
006.281040.515	Side Pin, Green	$19.95
006.281040.516	Back Pin, Long Prong, Green	$19.95

also available with leads in place of pins - same price

G4 Base, Bi-Color, 12 LED, 12V or 24V AC, Dimmable, 30mm Dia

Item#	Description	List Price
006.281040.701	Cool White / Blue - 12V Side Pin	$22.95
006.281040.702	Cool White / Blue - 24V Side Pin	$22.95
006.281040.703	Warm White / Red - 12V Side Pin	$22.95
006.281040.704	Warm White / Red - 24V Side Pin	$22.95
006.281040.705	Cool White / Green - 12V Side Pin	$22.95
006.281040.706	Cool White / Green - 24V Side Pin	$22.95
006.281040.707	Cool White / Blue - 12V Back Pin	$22.95
006.281040.708	Cool White / Blue - 24V Back Pin	$22.95
006.281040.709	Warm White / Red - 12V Back Pin	$22.95
006.281040.710	Warm White / Red - 24V Back Pin	$22.95
006.281040.711	Cool White/ Green 12V Back Pin	$22.95
006.281040.712	Cool White / Green 24V Back Pin	$22.95

also available with leads in place of pins - same price

G6.35 Base, "Tower" Style, 10-30V AC/DC, 1.5W, 120-140LM, Dimmable

Item#	Description	List Price
006.281040.601	9 LED, Warm White	$16.75
006.281040.602	9 LED, Cool White	$16.75
006.281040.611	13 LED, Warm White	$17.95
006.281040.612	13 LED, Cool White	$17.95

GX5.3 MR16 and GU10, 12V or 24 AC/DC Dimmable

Item#	Description	List Price
	GX5.3 LED MR16 5W Warm White	$24.95
	GX5.3 LED MR16 5W Cool White	$24.95
	GU10 LED 5W Warm White	$29.95
	GU10 LED 5W Cool White	$29.95
	GU10 LED 5W Warm White, Available in 110V-220V AC	$29.95

SV8 Festoon 12V or 24V DC

Item#	Description	List Price
006.135406.200	SV8 LED T10 36MM 12V DC Cool White	$12.00
006.135406.201	SV8 LED T10 36MM 24V DC Cool White	$12.00
006.135406.202	SV8 LED T10 36MM 12V DC Warm White	$12.00
006.135406.203	SV8 LED T10 36MM 24V DC Warm White	$12.00
006.135406.204	SV8 LED T10 36MM 12V DC Blue	$12.00
006.135406.205	SV8 LED T10 36MM 24V DC Blue	$12.00
006.135406.211	SV8 LED T10 36MM 12V DC Red	$12.00
006.135406.212	SV8 LED T10 36MM 24V DC Red	$12.00
006.135406.213	SV8 LED T10 36MM 12V DC Green	$12.00
006.135406.209	SV8 LED T10 36MM 24V DC Green	$12.00
006.133406.003	SV8 LED T10 41MM 12V DC Cool White	$12.00
006.133406.004	SV8 LED T10 41MM 24V DC Cool White	$12.00
006.133406.005	SV8 LED T10 41MM 12V DC Warm White	$12.00
006.133406.006	SV8 LED T10 41MM 24V DC Warm White	$12.00

4 Inch LED Engine 12V or 24V AC/DC

Item#	Description	List Price
006.CSA400.010	Warm White, 480 Lumen, 2700K, 4.5W	$60.00
006.CSA400.020	Daylight White, 520 Lumen, 5000K, 4.5W	$60.00

CSA600 LED Engine 12V or 24V AC/DC

Item#	Description	List Price
006.CSA600.010	5.5W 550 Lumen LED Engine, Warm White (2700K)	$63.00
006.CSA600.020	5.5W 600 Lumen LED Engine, Daylight White (5000K)	$63.00

Quad Color LED for Retrofit

Item#	Description	List Price
006.281040.803	Warm White/Blue/Red/Green, 24V AC/DC, 50mm Dia, back cables	$29.95
006.281040.801	Warm White/Blue/Red/Green, 12V AC/DC, 50mm Dia, back cables	$29.95

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LED Rope Light

10mm (3/8") LED Rope Light 12VDC

Item#	Description	List Price
005.362043.000	Warm White	$5.60/FT
005.361975.000	Cool White	$5.60/FT
005.361977.000	Blue	$5.60/FT
005.361976.000	Red	$5.60/FT

10mm (3/8") LED Rope Light 24VDC

Item#	Description	List Price
005.362090.000	Warm White	$5.60/FT
005.361664.000	Cool White	$5.60/FT
005.361663.000	Blue	$5.60/FT
005.213805.000	Red	$5.60/FT

10mm (3/8") LED Rope Light 120VAC

Item#	Description	List Price
005.362090.110	Warm White	$5.60/FT
005.265911.000	Cool White	$5.60/FT
005.265912.000	Blue	$5.60/FT
005.265913.000	Red	$5.60/FT

10mm (3/8") LED Rope Light 220VAC

Item#	Description	List Price
005.265920.000	Warm White	$5.60/FT
005.265921.000	Cool White	$5.60/FT
005.265922.000	Blue	$5.60/FT
005.265923.000	Red	$5.60/FT

13mm (1/2") LED Rope Light 12VDC

Item#	Description	List Price
005.362170.000	Warm White	$6.00/FT
005.265905.000	Cool White	$6.00/FT
005.361629.000	Blue	$6.00/FT
005.361630.000	Red	$6.00/FT

13mm (1/2") LED Rope Light 24VDC

Item#	Description	List Price
005.362045.000	Warm White	$6.00/FT
005.265906.000	Cool White	$6.00/FT
005.265907.000	Blue	$6.00/FT
005.215751.001	Red	$6.00/FT

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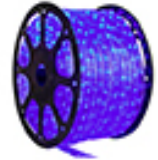Prices subject to change without notice

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LED Rope Light

13mm (1/2") LED Rope Light 120VAC

Item#	Description	List Price
005.265914.000	Warm White	$6.00/FT
005.265910.000	Cool White	$6.00/FT
005.265915.000	Blue	$6.00/FT
005.265916.000	Red	$6.00/FT

13mm (1/2") LED Rope Light 220VAC

Item#	Description	List Price
005.265909.000	Warm White	$6.00/FT
005.265908.000	Cool White	$6.00/FT
005.265917.000	Blue	$6.00/FT
005.265918.000	Red	$6.00/FT

Rope Light Accessories 13mm (1/2")

Item#	Description	List Price
005.217805.000	Power Cord DC Female 18"	$8.00
005.217405.000	Connector Male	$4.00
005.215605.000	Union M/F	$1.25
005.218405.000	End Cap	$.20
005.218605.000	Mounting Clip	$.12
005.265805.000	Mounting Track 4'	$4.80

Rope Light Accessories 10mm (3/8")

Item#	Description	List Price
005.217805.000	Power Cord DC Female 18"	$8.00
005.217405.000	Connector Male	$4.00
005.215605.000	Union M/F	$1.25
005.218405.000	End Cap	$.20
005.218605.000	Mounting Clip	$.12
005.265805.000	Mounting Track 4'	$4.80

Specifications

3/8" or 1/2"	12VDC	24VDC	110/120VAC	220/240VAC
Wattage	2.52 W/FT	2.52 W/FT	3W/FT	5.52W/FT
Max Run	30 FT	60FT	200FT	300FT
Cut Length	4"	8"	24"	36"
LED Spacing	1"	1"	1"	1"

Lumens Info

Warm White	180-216 lm per meter
Cool White	240-264 lm per meter
Blue Red	19-48 lm per meter
Red	48-80 lm per meter

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Dimmable Solid Core LED Tape Lighting

- 12v or 24VDC
- 140 Degree Viewing Angle
- Dimmable
- IP68
- UV Protected
- 16.5 FT (5M) L x 1/2" W x 5/32" H

- 14.4W/Meter
- Large LEDs (SMD 5050)
- 900-1020 Lumens/meter
- LED Spacing 10mm
- Max Run 2 Rolls in Series
- 24v Cut Length 4" - 12V Cut Length 2"

Item#	Description	List Price
005.117200.505	Warm White, 12VDC	$145
005.117100.505	Cool White, 12VDC	$145
005.117200.050	Blue, 12VDC	$145
005.364110.505	Red, 12VDC	$145
005.364111.505	Green, 12VDC	$145
005.117000.505	RGB, 12VDC	$165
005.117224.505	Warm White, 24VDC	$145
005.117100.024	Cool White, 24VDC	$145
005.117100.245	Blue, 24VDC	$145
005.117100.524	Red, 24VDC	$145
005.364111.524	Green, 24VDC	$145
005.117000.245	RGB, 24VDC	$165

DRSA also offers a lower output tape light (4.8W/m) at 360/420 lm/m.

Accessories for 16.5' Rolls

Item#	Description	List Price
007.80050R.000	LED Remote RGB Controller, Black	$57.95
007.800500.000	LED RGB Controller, Touch Panel, Black	$57.95
007.800500.100	LED RGB Controller, Touch Panel, White	$57.95
004.117100.100	LED Tape Light Pliable Mounting Clips	$00.15
004.265205.012	12mm LED Tape Track 4'	$13.95
004.117100.200	LED Tape Light End Caps (Large LEDs)	$00.15

*All cuts and joints must be properly sealed to maintain IP68 Rating

Our LED Tape Light comes with a variety of choices.
You can choose what best suits your needs with many different light colors and voltage options.
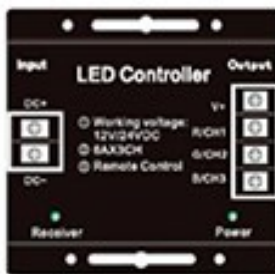
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RGB LED Controller with Remote

- Capacitance and wireless touch technology, no mechanical wear
- 12-24V DC working voltage with input polarity protection
- The latest PWM control technology, delicate light performance, no flicker
- High power dimmer control with max 4A per channel (3 channels)
- Wireless RF control
- Multi Type functions for color, modes, speed and brightness

This sleek design Remote Touch Controller is our new high-end user-friendly controller. Adopting high precision capacitance touch control chip, this wireless controller is easy to use and quickly allows you to change color, mode and brightness.

Controller

- Supply Voltage: DC 12~24V
- Output: 3 Channels
- Connection Mode: Common Anode
- Dimmer Method: PWM
- Static Power: 1W
- Output Current: 4A(each channel)
- Output Power: 12V 216W,24V 432W

Remote

- Frequency: 433MHZ
- Controllable Distance: 20 Meters
- Battery: (3) AAA

* Also Available as Wall Mount Controller

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RGB LED Controller with Remote

Panel and Interface specifications:

Symbol   **Function**

Turn Off/On the LED in any state.

Touch for selecting 18 change modes before and after.

Touch the color on the wheel to get what you want.

Static Modes for Brightness increasing or decreasing.
Dynamic Modes for Speed Accelerating or Decelerating.
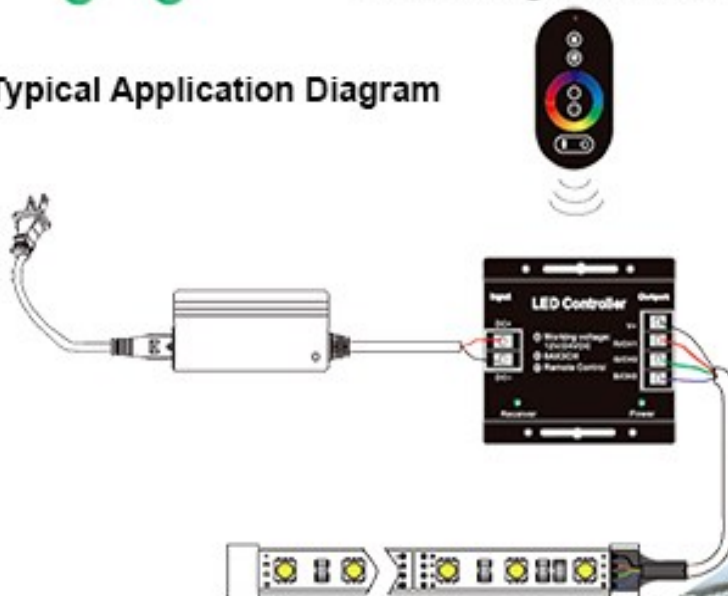
Voltage of power input port: 12/24VDC.

Power output port for connecting LED Lights.

Indicative light to show the power and signal receiver

Typical Application Diagram

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HIGH POWER LED SPREADER LAMPS

Features & Benefits

Multi-chip power LED's deliver cool, efficient daylight-white illumination.

Built for the marine industry to IP-67 standards. Constructed of marine grade aluminum. White, Stainless Steel or custom powder coat finishes.

High and low operation: "low beam" setting

Combinations of all spot or all flood beams are also available.

Built-in constant-current LED drivers with 96% circuit efficiency.

Exterior surfaces are primed with Liquiguard PC for aluminum, then TCIG powdercoated for a durable finish.

Available with polished 316 stainless steel bezel.

5 year limited warranty

Custom Bezels Available

HP3

1.2 amps at 12V DC, .6 amp at 24V DC
.4 amp at 32V DC
12-36V DC
1800 lumens

HP6

2.5 amps at 12V, 1.2 amps at 24V
.9 amps at 32V DC, 1 amp at 90-264V AC
Power input range - 12-36V DC, AC has external driver
3600 lumens total output
Compare to 120V 300W Halogen

HP12

5 amps at 12V DC, 2.5 amps at 24V DC
1.7 amps at 32V DC, 1 amp at 120V AC
12-36V DC systems, 100-240V AC
7200 lumens total output
Compare to 120V 500W Halogen

Item#	Description	List Price
005.363184.000	Floodlight Spreader 12-36V DC LED 3xCW HP3	$230.00
005.363166.000	Floodlight Spreader 12-36V DC LED 6xCW HP6	$525.00
005.363155.000	Floodlight Spreader 12-36V DC LED 12xCW HP12	$875.00

AMERICAN MADE WITH PRIDE

HP 3 or HP3/B

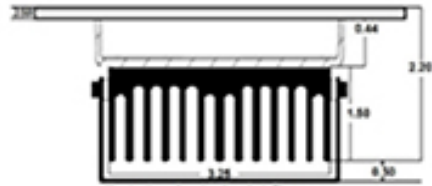Illustration showing bracket. Please see image below for bracket dimensions.
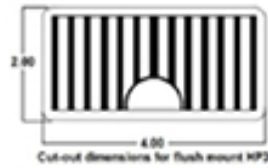
Cut-out dimensions for flush mount HP3
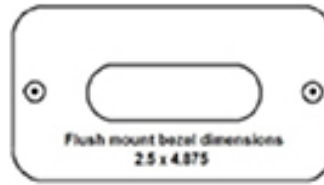
Flush mount bezel dimensions
2.5 x 4.875

Flush mount bezel, available in polished 316 SS

HP3-B face dimensions
2.25 x 4.25

HP6

OVERALL DIMENSIONS:
5-5/8 X 6-1/4"

.2010 FOR #10 SCREW COUNTERSINK FOR FLUSH FLAT HEAD 82 DEG

Cut-out: 3-3/4 x 4-3/4"

HP 12

OVERALL DIMENSIONS: 8.75 X 6.75

.2010 FOR #10 SCREW COUNTERSINK FOR FLUSH FLAT HEAD 82 DEG
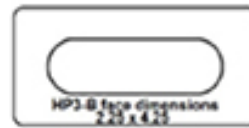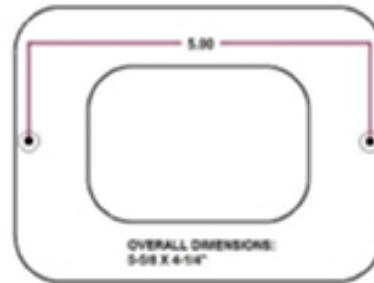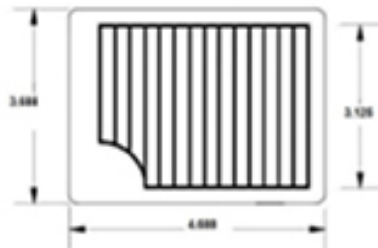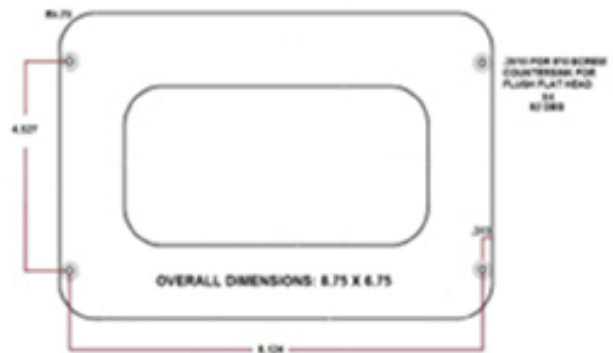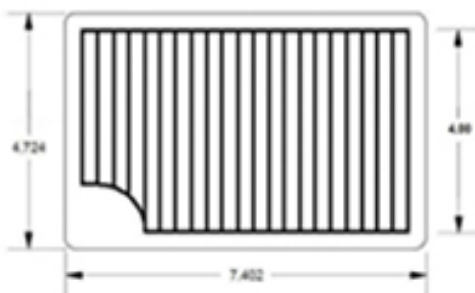
Cut-out: 4-3/4 x 7-1/2"

NOTE: Ventilation is required.
Lamp MUST be installed in an area of sufficient air space to permit cooling from heat sink. Wire chase should be sufficient. If there is less than 2 inches behind the heat sink, ventilation must be added.

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1 Foot LED Tape Light Strips

- 12V or 24V DC
- Dimmable
- IP68 Rated
- UV Protected
- 4.4 Watts
- Large LEDs (SMD 5050)
- 140 Degree Viewing Angle
- Solid Core LED
- 18 LEDs
- 11 Inch Leads

3M Backing

Innovations in illumination for more than 25 years, DRSA designs, develops, manufactures and imports luminaires, light bulbs and LEDs to illuminate your entire vessel from bow to stern. Our responsive staff has over 100 years of combined marine and lighting expertise. Let us provide your complete lighting solutions.

Marine Light Fixtures

DRSA

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Admiralty Head
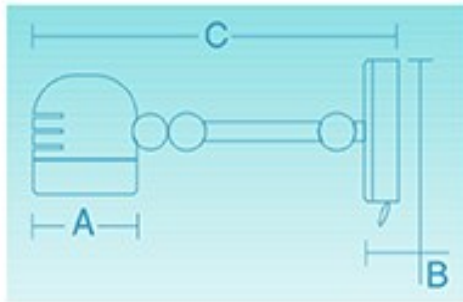
A: 1 3/4 Inches - 44mm

B: 2 5/8 x 13/16 Inches - 64 x 20mm

C: 6 Inches - 153mm

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
G4	LED	10W	Low	Screw	*See Below	Oil Rubbed Bronze
	Halogen					Nickel Satin
	Xenon		AC/DC	Surface		Polished Brass
						Polished Chrome
						Powder Coating

*Bulb Source Options

Socket	Type	Color	Voltage	Dimmable
G4	Halogen	White	12v or 24v	Yes
	Xenon	White	12v or 24v	Yes
	Single Color LED	Cool White, Warm White, Blue, Red, Green	10v-30v	Yes
	Bi-Color LED	Cool White & Blue, Warm White & Red, Cool White & Green		Yes

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Exterior
IP65

Anacortes
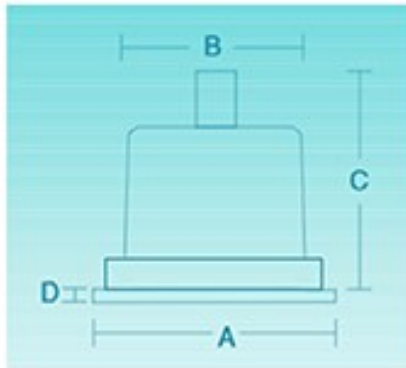
A: 4 3/4 Inches - 120mm

B: 2 3/16 Inches - 55mm

C: 2 1/2 Inches - 63.5mm

D: 1/8 Inches - 2.5mm

IP66 Rated

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
G4	LED	20W (G4)	Low	Clips	*See Below	Stainless Polish
G9	Halogen	25W (G9)		Screws		Powder Coating
	Xenon		AC/DC	Flush		

*Bulb Source Options

Socket	Type	Color	Voltage	Dimmable
G4 & G9	Halogen	White	12v or 24v	Yes
	Xenon	White	12v or 24v	Yes
	Single Color LED	Cool White, Warm White, Blue, Red, Green	10v-30v	Yes
	Bi-Color LED	Cool White & Blue, Warm White & Red, Cool White & Green		Yes
	CSA600 LED Engine	Warm White 5.5W 550 Lumen / Cool White 5.5W 600 Lumen / Multi Color 5.5W 500 Lumen	12v/24v	Yes

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- Marine & RV -

Interior
Exterior
IP55

Antigua
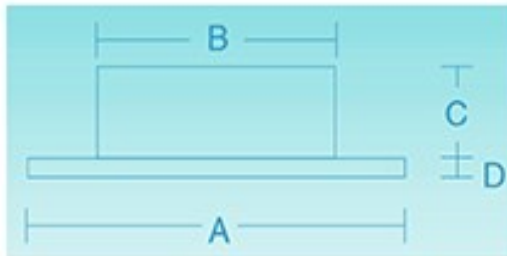
A: 4 Inches - 102mm

B: 2 5/8 Inches - 67mm

C: 1 1/4 Inches - 32mm

D: 3/8 Inches - 10mm

IP55 Rated

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
G4	LED	20W	Low	Screw	*See Below	White
LED Engine	Halogen					Nickel Satin
	Xenon		AC/DC	Flush		Polished Brass
						Polished Chrome
						Powder Coating

*Bulb Source Options

Socket	Type	Color	Voltage	Dimmable
G4	Halogen	White	12v or 24v	Yes
	Xenon	White	12v or 24v	Yes
	Single Color LED	Cool White, Warm White, Blue, Red, Green	10v-30v	Yes
	Bi-Color LED	Cool White & Blue, Warm White & Red, Cool White & Green		Yes
	CSA600	Warm White 5.5W 550 Lumen		
		Cool White 5.5W 600 Lumen		
	LED Engine	Multi Color 5.5W 500 Lumen	12v/24v	Yes

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Interior
Exterior
IP65

Bimini

A: 1 7/16 x 3 1/16 Inches - 36 x 77mm

B: 1 x 2 Inches - 25 x 51mm

C: 1 7/8 Inches - 47mm

D: 5/16 Inches - 8mm

IP65 Rated

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
SV8	LED Board	3W	Low	Screw	*See Below	White
Disc	Incandescent					Nickel Satin
			DC	Flush		Polished Brass
						Polished Chrome
						Powder Coating

*Bulb Source Options

Socket	Type	Color	Voltage	Dimmable
SV8	Incandescent	White	12v or 24v	Yes
LED Board	LED	White, Blue, Red	12v or 24v	Yes
SV8 LED	LED	White, Blue, Red, Green	12v or 24v	Yes

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Boot Key Oval

Available in 2 sizes
Large & Small

Large
A: 5 1/16 Inches / 128 mm

B: 11 1/4 Inches / 286 mm

C: 6 3/8 Inches / 162 mm

Small
A: 4 7/16 Inches / 112 mm

B: 8 3/4 Inches / 223 mm

C: 4 7/16 Inches / 112 mm

IP55 Rated   **Metal**

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
E27	LED (WW, CW)	Small 60W	Low	Screw	*See Below	White
GY6.35	Halogen (White)	Large 100W	High	Surface		
LED Engine	Xenon (White)		AC/DC			
	Incandescent (White)					

*Bulb Source Options

Socket	Type	Color			Voltage	Dimmable
GY6.35	LED	1.8W Tower CW, WW			9v-36v	Yes
	CSA600	Warm White	5.5W	550 Lumen		
		Cool White	5.5W	600 Lumen		
	LED Engine	Multi Color	5.5W	500 Lumen	12v/24v	Yes

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Boot Key Round

Available in 2 sizes Large & Small

Large
A: 9 1/2 Inches / 242 mm

B: 5 1/16 Inches / 128 mm

Small
A: 7 3/4 Inches / 200 mm

B: 4 7/16 Inches / 112 mm

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
E27	LED (WW, CW)	Small 60W	Low	Screw	*See Below	White
GY6.35	Halogen (White)	Large 100W	High	Surface		
LED Engine	Xenon (White)		AC/DC			
	Incandescent (White)					

*Bulb Source Options

Socket	Type	Color			Voltage	Dimmable
GY6.35	LED	1.8W Tower CW, WW			9v-36v	Yes
	CSA600	Warm White	5.5W	550 Lumen		
		Cool White	5.5W	600 Lumen		
	LED Engine	Multi Color	5.5W	500 Lumen	12v/24v	Yes

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Interior
Exterior

Challenger

A: 35 mm

B: 6.25 mm

C: 19 mm

D: 19 mm

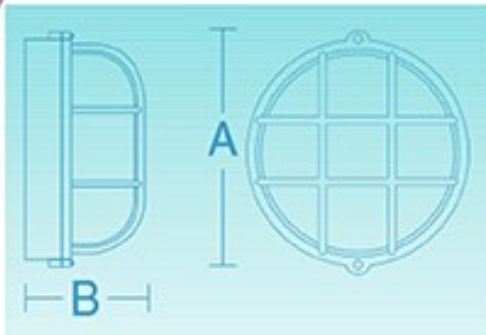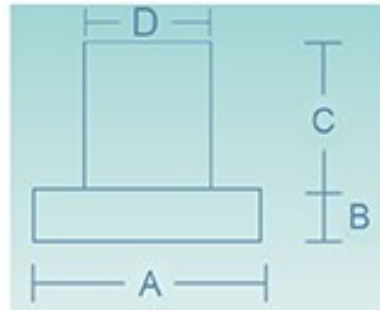| Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
Bullet	LED	1.5W	Low	Screw	WW	Polished Chrome
			9-32v AC/DC	Flush	CW	
					BLUE	
					RED	
					RGB	

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Interior
Exterior
IP65

Corsica
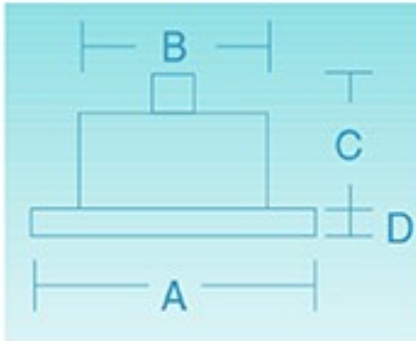
A: 3 15/16 Inches - 100mm

B: 2 3/8 Inches - 61mm

C: 2 5/16 Inches - 58mm

D: 1/2 Inch - 13mm

IP65 Rating

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
G4	LED	20W	Low	Screw	*See Below	White
LED Engine	Halogen					Nickel Satin
	Xenon		AC/DC	Flush		Polished Brass
						Polished Chrome
						Powder Coating

*Bulb Source Options

Socket	Type	Color	Voltage	Dimmable
G4	Halogen	White	12v or 24v	Yes
	Xenon	White	12v or 24v	Yes
	Single Color LED	Cool White, Warm White, Blue, Red, Green	10v-30v	Yes
	Bi-Color LED	Cool White & Blue, Warm White & Red, Cool White & Green		Yes
	CSA600	Warm White 5.5W 550 Lumen		
		Cool White 5.5W 600 Lumen		
	LED Engine	Multi Color 5.5W 500 Lumen	12v/24v	Yes

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Interior
Exterior
IP55

Dome Ledge

A: 6 7/8 Inches - 174mm

B: 2 3/16 Inches - 55mm

IP55 Rated

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
G4	LED	20W	Low	Screw	*See Below	Polished Chrome
LED Engine	Halogen					Powder Coating
	Xenon		AC/DC	Surface		

*Bulb Source Options

Socket	Type	Color	Voltage	Dimmable
G4	Halogen	White	12v or 24v	Yes
B15d	Xenon	White	12v or 24v	Yes
GY6.35 LED Engine	Single Color LED	Cool White, Warm White Blue, Red & Green	10v-30v	Yes
	Bi-Color LED	Cool White & Blue, Warm White & Red, Cool White & Green		Yes
	CSA600 LED Engine	Warm White 5.5W 550 Lumen Cool White 5.5W 600 Lumen Multi Color 5.5W 500 Lumen	12v/24v	Yes
	CSA400 LED Engine Dual Color	Warm White 4.5W 480 Lumen Daylight Wh. 4.5W 520 Lumen Add Blue, Green or Red to CSA400	12v/24v	Yes

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Interior
Exterior
IP55

Dome Point
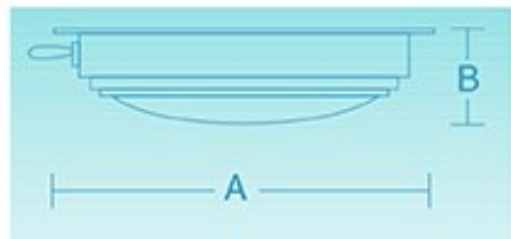
A: 5 1/2 Inches - 140mm

B: 1 9/16 Inches - 40mm

IP55 Rated

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
G4	LED	20W	Low	Screw	*See Below	Polished Chrome
LED Engine	Halogen					Powder Coating
	Xenon		AC/DC	Surface		

* Bulb Source Options

Socket	Type	Color		Voltage	Dimmable
G4	Halogen	White		12v or 24v	Yes
B15d	Xenon	White		12v or 24v	Yes
GY6.35	Single Color	Cool White, Warm White		10v-30v	Yes
LED Engine	LED	Blue, Red & Green			
	Bi-Color	Cool White & Blue, Warm White &			
	LED	Red, Cool White & Green			Yes
	CSA600	Warm White	5.5W	550 Lumen	
		Cool White	5.5W	600 Lumen	
	LED Engine	Multi Color	5.5W	500 Lumen	12v/24v	Yes

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Interior

Emerald
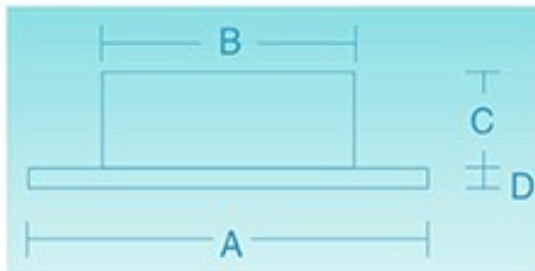
A: 3 1/4 Inches - 83mm

B: 2 Inches - 53mm

C: 5/8 Inches - 17mm

D: 3/8 Inches - 9.5mm

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
G4	LED	10W	Low	Screw	*See Below	Polished Chrome
LED Engine	Halogen			Flush		
	Xenon		AC/DC			

* Bulb Source Options

Socket	Type	Color	Voltage	Dimmable
G4	Halogen	White	12v or 24v	Yes
	Xenon	White	12v or 24v	Yes
	Single Color LED	Cool White, Warm White, Blue, Red, Green	10v-30v	Yes
	Bi-Color LED	Cool White & Blue, Warm White & Red, Cool White & Green		Yes
	CSA600 LED Engine	Warm White 5.5W 550 Lumen Cool White 5.5W 600 Lumen Multi Color 5.5W 500 Lumen	12v/24v	Yes

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Expedition

A: 3 1/8 x 3 1/8 Inches - 80 x 80mm

B: 2 7/16 Inches - 62mm

C: 1 3/4 Inches - 45mm

D: 3/16 Inches - 5mm

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
G4	LED	20W	Low	Spring Clip	*See Below	Stainless Polish
LED Engine	Halogen					Gold Polish
	Xenon		AC/DC	Flush		Nickel Satin
						White
						Gold / Stainless
						Powder Coating

*Bulb Source Options

Socket	Type	Color	Voltage	Dimmable
G4	Halogen	White	12v or 24v	Yes
	Xenon	White	12v or 24v	Yes
	Single Color LED	Cool White, Warm White, Blue, Red, Green	10v-30v	Yes
	Bi-Color LED	Cool White & Blue, Warm White & Red, Cool White & Green		Yes
	CSA600 LED Engine	Warm White 5.5W 550 Lumen / Cool White 5.5W 600 Lumen / Multi Color 5.5W 500 Lumen	12v/24v	Yes

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Explorer

A: 3 1/8 x 3 1/8 Inches - 80 x 80mm

B: 2 7/16 x 2 7/16 Inches - 62 x 62mm

C: 1 3/4 Inches - 45mm

D: 3/16 Inches - 5mm

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
G4	LED	20W	Low	Spring Clip	*See Below	Polished Chrome
LED Engine	Halogen					Powder Coating
	Xenon		AC/DC	Flush		Nickel Satin
						Gold Polish
						White

*Bulb Source Options

Socket	Type	Color	Voltage	Dimmable
G4 & G9	Halogen	White	12v or 24v	Yes
	Xenon	White	12v or 24v	Yes
	Single Color LED	Cool White, Warm White, Blue, Red, Green	10v-30v	Yes
	Bi-Color LED	Cool White & Blue, Warm White & Red, Cool White & Green		Yes
	CSA600	Warm White 5.5W 550 Lumen		
		Cool White 5.5W 600 Lumen		
	LED Engine	Multi Color 5.5W 500 Lumen	12v or 24v	Yes
GX5.3 MR16	LED	Warm White , Cool White	12v or 24v	Yes

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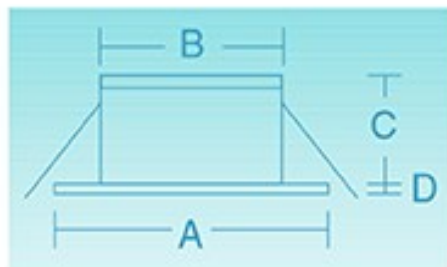FOB Riviera Beach FL
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Interior

Fiji

A: 6 Inches - 151mm

B: 1 3/8 Inches - 35mm

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
G4	LED	20W (G4)	Low	Screw	*See Below	White
G9	Halogen	25W (G9)				
	Xenon		AC/DC	Surface		

*Bulb Source Options

Socket	Type	Color	Voltage	Dimmable
G4 & G9	Halogen	White	12v or 24v	Yes
	Xenon	White	12v or 24v	Yes
	Single Color LED	Cool White, Warm White Blue, Red & Green	10v-30v	Yes
	Bi-Color LED	Cool White & Blue, Warm White Red, Cool White & Green		Yes
	LED Engine	Warm White 5.5W 550 Lumen Cool White 5.5W 600 Lumen Multi Color 5.5W 500 Lumen	12v/24v	Yes

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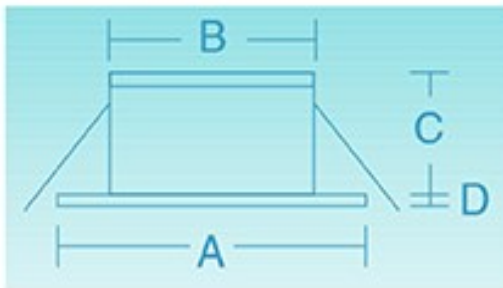Prices subject to change without notice

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Interior

Hilton Head
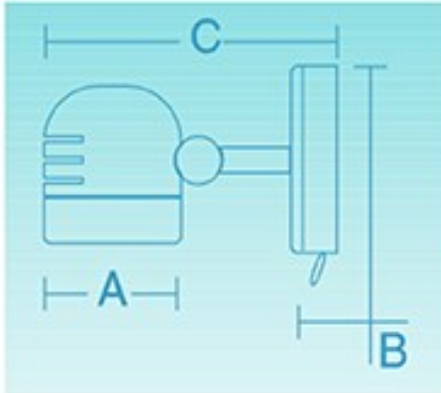
A: 1 3/4 Inches - 45mm

B: 13/16 x 2 1/2 Inches - 20 x 64mm

C: 4 5/16 Inches - 110mm

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
G4	LED	10W	Low	Screw	*See Below	Oil Rubbed Bronze
	Halogen					Nickel Satin
	Xenon		AC/DC	Surface		Polished Brass
						Polished Chrome
						Powder Coating

*Bulb Source Options

Socket	Type	Color	Voltage	Dimmable
G4	Halogen	White	12v or 24v	Yes
	Xenon	White	12v or 24v	Yes
	Single Color LED	Cool White, Warm White, Blue, Red, Green	10v-30v	Yes
	Bi-Color LED	Cool White & Blue, Warm White & Red, Cool White & Green		Yes

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### Since 1988
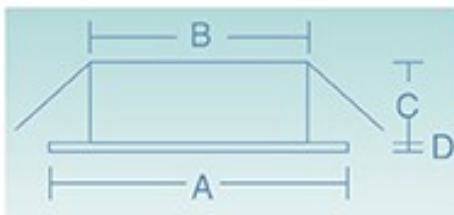Innovations In Illumination
- Marine & RV -

Interior
Exterior
IP55

Jamaica

A: 6 1/8 Inches - 156mm

B: 4 3/4 Inches - 121mm

C: 1 9/16 Inches - 39mm

D: 1/16 Inches - 2mm

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
G4	LED	20W	Low	Spring Clip	*See Below	White
LED Engine	Halogen		High			Nickel Satin
B15d	Xenon		AC/DC	Flush		Polished Brass
GY6.35						Polished Chrome
						Powder Coating

*Bulb Source Options

Socket	Type	Color	Voltage	Dimmable
G4	Halogen	White	12v or 24v	Yes
B15d	Xenon	White	12v or 24v	Yes
GY6.35	Single Color	Cool White, Warm White		
LED Engine	LED	Blue, Red & Green	10v-30v	Yes
	Bi-Color	Cool White & Blue, Warm White &		
	LED	Red, Cool White & Green		Yes
	CSA600	Warm White 5.5W 550 Lumen		
		Cool White 5.5W 600 Lumen		
	LED Engine	Multi Color 5.5W 500 Lumen	12v/24v	Yes
	CSA400	Warm White 4.5W 480 Lumen		
	LED Engine	Daylight Wh. 4.5W 520 Lumen		
	Dual Color	Add Blue, Green or Red to CSA400	12v/24v	Yes

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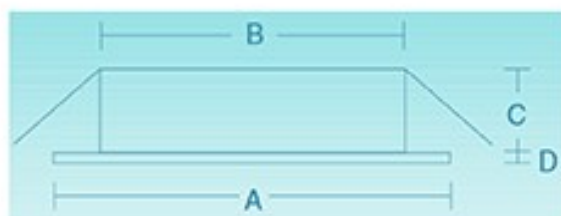Prices subject to change without notice

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- Marine & RV -

Interior
Exterior
IP55

Kingston

A: 4 1/8 Inches - 105mm

B: 3 1/2 Inches - 89mm

C: 1 1/4 Inches - 32mm

D: 1/16 Inches - 2mm

IP55 Rated

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
G4	LED	20W	Low	Spring Clips	*See Below	White
LED Engine	Halogen					Nickel Satin
	Xenon		AC/DC	Flush		Polished Brass
						Polished Chrome
						Powder Coating

*Bulb Source Options

Socket	Type	Color	Voltage	Dimmable
G4	Halogen	White	12v or 24v	Yes
	Xenon	White	12v or 24v	Yes
	Single Color LED	Cool White, Warm White, Blue, Red, Green	10v-30v	Yes
	Bi-Color LED	Cool White & Blue, Warm White & Red, Cool White & Green		Yes
	CSA600	Warm White 5.5W 550 Lumen		
		Cool White 5.5W 600 Lumen		
	LED Engine	Multi Color 5.5W 500 Lumen	12v/24v	Yes

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FOB Riviera Beach FL
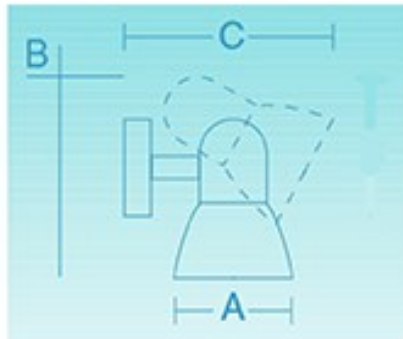Prices subject to change without notice

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- Marine & RV -

Liberty

A: 2 3/16 Inches - 55mm

B: 13/16 x 2 1/2 Inches - 20 x 64mm

C: 4 5/16 Inches - 110mm

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
G4	LED	10W	Low	Screw	*See Below	Polished Brass
	Halogen					Polished Chrome
	Xenon		AC/DC	Surface		Powder Coating

* Bulb Source Options

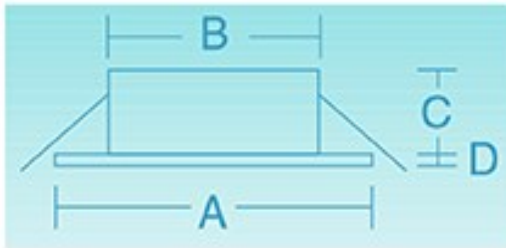| Socket	Type	Color	Voltage	Dimmable
G4	Halogen	White	12v or 24v	Yes
	Xenon	White	12v or 24v	Yes
	Single Color LED	Cool White, Warm White, Blue, Red, Green	10v-30v	Yes
	Bi-Color LED	Cool White & Blue, Warm White & Red, Cool White & Green		Yes

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Interior

Little Beach

A: 2 9/16 Inches - 65mm

B: 2 3/16 Inches - 55mm
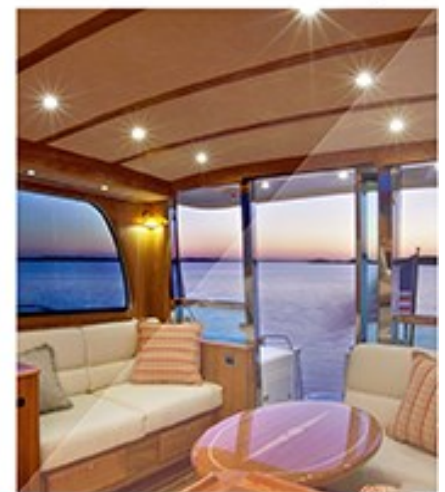
C: 7/8 Inches - 22mm

D: 3/16 Inches - 5mm

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
G4	LED	10W	Low	Screw	*See Below	White
LED Engine	Halogen					Nickel Satin
	Xenon		AC/DC	Flush		Polished Brass
						Polished Chrome
						Powder Coating

*Bulb Source Options

Socket	Type	Color	Voltage	Dimmable
G4	Halogen	White	12v or 24v	Yes
	Xenon	White	12v or 24v	Yes
	Single Color LED	Cool White, Warm White, Blue, Red, Green	10v-30v	Yes
	Bi-Color LED	Cool White & Blue, Warm White & Red, Cool White & Green		Yes
	CSA600	Warm White 5.5W 550 Lumen		
		Cool White 5.5W 600 Lumen		
	LED Engine	Multi Color 5.5W 500 Lumen	12v/24v	Yes

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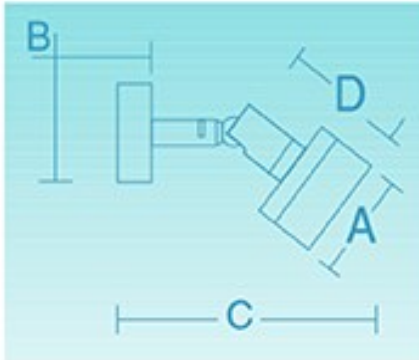
Innovations In Illumination
- Marine & RV -

Interior

Little Inagua

A: 2 1/8 Inches - 54mm

B: 1 3/16 x 2 3/16 Inches - 30 x 56mm

C: 4 1/2 Inches - 115mm

D: 2 3/4 Inches - 70mm

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
G4	LED	10W	Low	Screw	*See Below	White
	Halogen					Nickel Satin
	Xenon		AC/DC	Surface		Polished Brass
						Polished Chrome
						Powder Coating

*Bulb Source Options

Socket	Type	Color	Voltage	Dimmable
G4	Halogen	White	12v or 24v	Yes
	Xenon	White	12v or 24v	Yes
	Single Color LED	Cool White, Warm White, Blue, Red, Green	10v-30v	Yes
	Bi-Color LED	Cool White & Blue, Warm White & Red, Cool White & Green		Yes

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Interior

Marco

A: 2 9/16 Inches - 65mm

B: 2 3/16 Inches - 55mm

C: 1 5/8 Inches - 42mm

D: 3/16 Inches - 5mm

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
G4	LED	10W	Low	Spring Clip	*See Below	White
	Halogen					Nickel Satin
	Xenon		AC/DC	Flush		Polished Brass
						Polished Chrome
						Powder Coating

*Bulb Source Options

Socket	Type	Color	Voltage	Dimmable
G4	Halogen	White	12v or 24v	Yes
	Xenon	White	12v or 24v	Yes
	Single Color LED	Cool White, Warm White, Blue, Red, Green	10v-30v	Yes
	Bi-Color LED	Cool White & Blue, Warm White & Red, Cool White & Green		Yes

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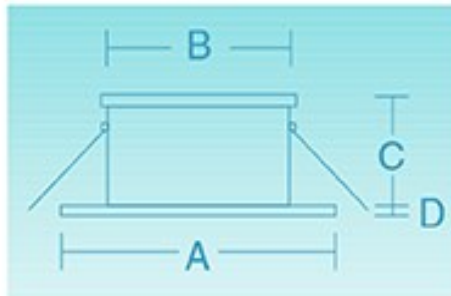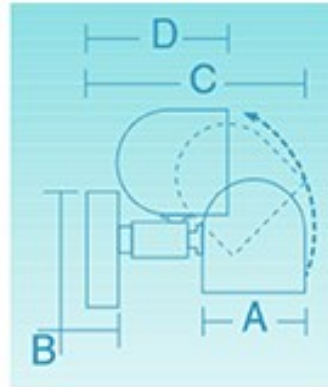Prices subject to change without notice

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Interior

Marianas

A: 1 15/16 Inches - 50mm

B: 13/16 x 2 3/8 Inches - 20 x 60mm

C: 3 1/8 Inches - 80mm

D: 4 1/2 Inches - 115mm

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
GX5.3	LED	10W	Low	Screw		Polished Brass
MR16	Halogen					Polished Chrome
	Xenon	3W Non Dimmable	AC/DC	Surface	Cool White	Powder Coating
		5W Dimmable			Warm White	

*Bulb Source Options

Socket	Type	Color	Voltage	Dimmable
GX5.3	LED MR16	Warm White 5W	10v-30v	Yes
GX5.3	LED MR16	Cool White 3W	10v-30v	No

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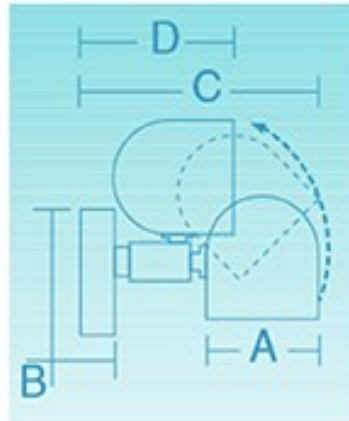Prices subject to change without notice

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Interior

Mission Bay

A: 1 15/16 Inches - 50mm

B: 13/16 x 2 3/8 Inches - 20 x 60mm

C: 4 1/2 Inches - 110mm

D: 2 3/16 Inches - 55mm

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
G4	LED	20W	Low	Screw	*See Below	Nickel Satin
	Halogen					Polished Brass
	Xenon		AC/DC	Surface		Polished Chrome
						Powder Coating

*Bulb Source Options

Socket	Type	Color	Voltage	Dimmable
G4	Halogen	White	12v or 24v	Yes
	Xenon	White	12v or 24v	Yes
	Single Color LED	Cool White, Warm White, Blue, Red, Green	10v-30v	Yes
	Bi-Color LED	Cool White & Blue, Warm White & Red, Cool White & Green		Yes

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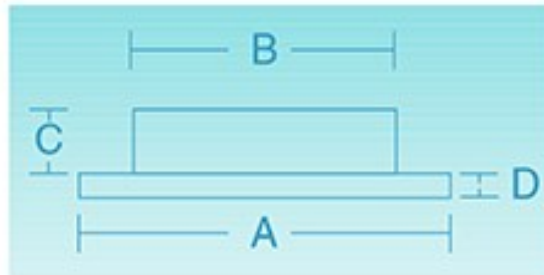Innovations In Illumination
- Marine & RV -

Interior
Exterior
IP55

Montserrat

A: 3 1/4 Inches - 83mm

B: 2 1/8 Inches - 54mm

C: 7/8 Inches - 23mm

D: 3/8 Inches - 10mm

IP55 Rated

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
G4	LED	20W	Low	Screw	*See Below	White
LED Engine	Halogen					Nickel Satin
	Xenon		AC/DC	Flush		Polished Brass
						Polished Chrome
						Powder Coating

*Bulb Source Options

Socket	Type	Color	Voltage	Dimmable
G4	Halogen	White	12v or 24v	Yes
	Xenon	White	12v or 24v	Yes
	Single Color LED	Cool White, Warm White, Blue, Red, Green	10v-30v	Yes
	Bi-Color LED	Cool White & Blue, Warm White & Red, Cool White & Green		Yes
	CSA600 LED Engine	Warm White 5.5W 550 Lumen / Cool White 5.5W 600 Lumen / Multi Color 5.5W 500 Lumen	12v/24v	Yes

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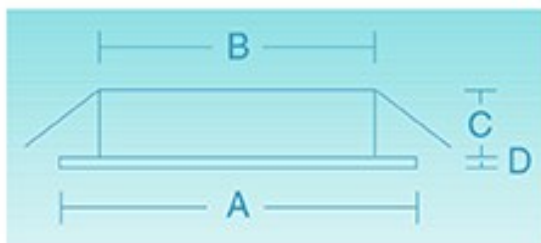
Innovations In Illumination
- Marine & RV -

Interior
Exterior
IP55

Negril

A: 3 1/2 Inches - 89mm

B: 3 1/16 Inches - 77mm

C: 1 1/4 Inches - 32mm

D: 1/16 Inches - 2mm

IP55 Rated

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
G4	LED	20W	Low	Spring Clip	*See Below	White
LED Engine	Halogen					Nickel Satin
	Xenon		AC/DC	Flush		Polished Brass
						Polished Chrome
						Powder Coating

* Bulb Source Options

Socket	Type	Color	Voltage	Dimmable
G4	Halogen	White	12v or 24v	Yes
	Xenon	White	12v or 24v	Yes
	Single Color LED	Cool White, Warm White, Blue, Red, Green	10v-30v	Yes
	Bi-Color LED	Cool White & Blue, Warm White & Red, Cool White & Green		Yes
	CSA600	Warm White 5.5W 550 Lumen		
		Cool White 5.5W 600 Lumen		
	LED Engine	Multi Color 5.5W 500 Lumen	12v/24v	Yes

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Interior

North Beach
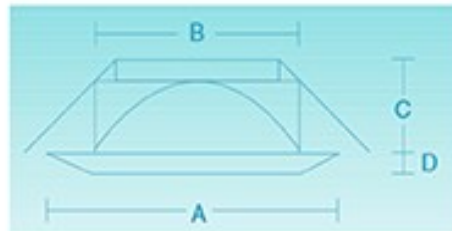
A: 3 1/8 Inches - 80mm

B: 2 3/4 Inches - 70mm

C: 1 Inches - 25mm

D: 3/16 Inches - 5mm

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
G4	LED	20W	Low	Spring Clip	*See Below	White
LED Engine	Halogen					Nickel Satin
	Xenon		AC/DC	Flush		Polished Brass
						Polished Chrome
						Powder Coating

*Bulb Source Options

Socket	Type	Color	Voltage	Dimmable
G4	Halogen	White	12v or 24v	Yes
	Xenon	White	12v or 24v	Yes
	Single Color LED	Cool White, Warm White, Blue, Red, Green	10v-30v	Yes
	Bi-Color LED	Cool White & Blue, Warm White & Red, Cool White & Green		Yes
	CSA600 LED Engine	Warm White 5.5W 550 Lumen Cool White 5.5W 600 Lumen Multi Color 5.5W 500 Lumen	12v/24v	Yes

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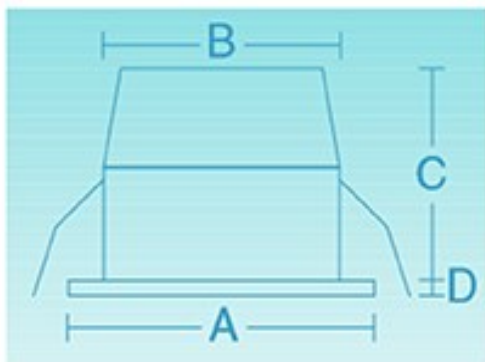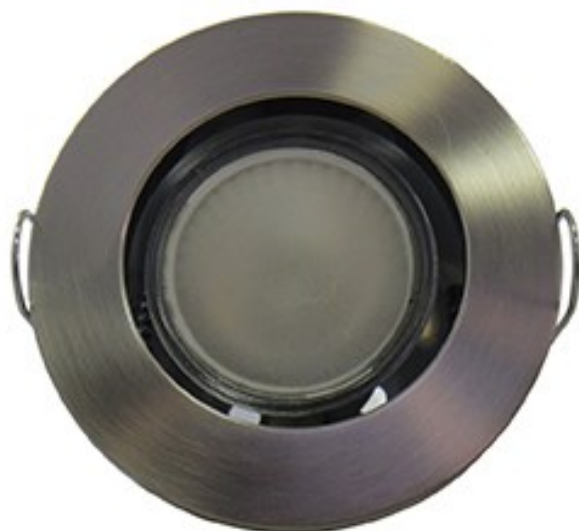Prices subject to change without notice

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Interior

Pearl

A: 3 9/16 Inches - 90mm

B: 2 11/16 Inches - 68mm

C: 3 1/8 Inches - 80mm

D: 3/16 Inches - 5mm

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
GU10	LED	35W	Low	Spring Clip	*See Below	White
LED Engine	Halogen		High			Nickel Satin
	Xenon		AC/DC	Flush		Black Nickel
						Powder Coating
						Stainless Polish
						Gold Polish

*Bulb Source Options

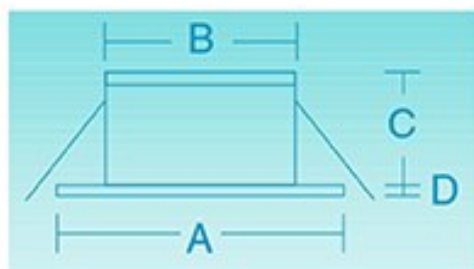| Socket	Type	Color			Voltage	Dimmable
GU10	LED	Warm White 5W			10v-30v	Yes
GU10	LED	Cool White 5W			10v-30v	Yes
GU10	LED	Warm White 5W			110vac	Yes
CSA600		Warm White	5.5W	550 Lumen		
		Cool White	5.5W	600 Lumen		
LED Engine	LED	Multi Color	5.5W	500 Lumen	12v/24v	Yes

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Interior

Pioneer

A: 3 1/8 x 3 1/8 Inches - 80 x 80mm

B: 2 7/16 x 2 7/16 Inches - 62 x 62mm

C: 1 3/4 Inches - 45mm

D: 3/16 Inches - 5mm

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
G4	LED	10W	Low	Spring Clip	*See Below	Polished Chrome
LED Engine	Halogen			Flush		
	Xenon		AC/DC			

*Bulb Source Options

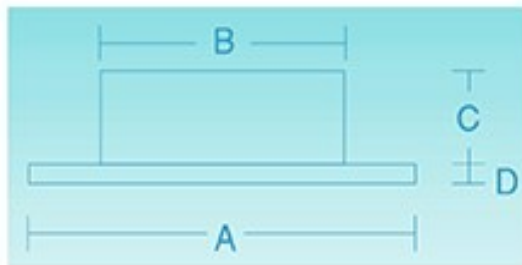| Socket	Type	Color	Voltage	Dimmable
G4	Halogen	White	12v or 24v	Yes
	Xenon	White	12v or 24v	Yes
	Single Color LED	Cool White, Warm White, Blue, Red, Green	10v-30v	Yes
	Bi-Color LED	Cool White & Blue, Warm White & Red, Cool White & Green		Yes
	CSA600	Warm White 5.5W 550 Lumen		
		Cool White 5.5W 600 Lumen		
	LED Engine	Multi Color 5.5W 500 Lumen	12v/24v	Yes

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Interior

Ruby

A: 4 Inches - 101mm

B: 2 1/2 Inches - 64.6mm

C: 1 Inch - 26mm

D: 3/8 Inch - 9.5mm

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
G4	LED	10W	Low	Screw	*See Below	Polished Chrome
LED Engine	Halogen			Flush		
	Xenon		AC/DC			

*Bulb Source Options

Socket	Type	Color			Voltage	Dimmable
G4	Halogen	White			12v or 24v	Yes
	Xenon	White			12v or 24v	Yes
	Single Color LED	Cool White, Warm White, Blue, Red, Green			10v-30v	Yes
	Bi-Color LED	Cool White & Blue, Warm White & Red, Cool White & Green				Yes
	CSA600	Warm White	5.5W	550 Lumen		
		Cool White	5.5W	600 Lumen		
	LED Engine	Multi Color	5.5W	500 Lumen	12v/24v	Yes

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Interior

San Pedro
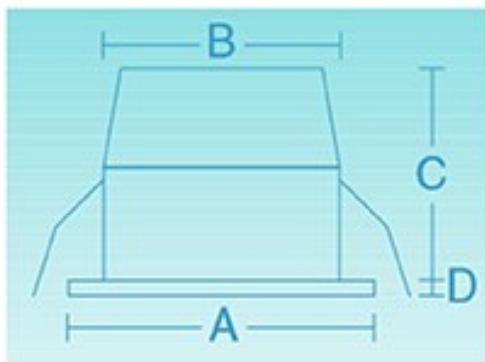
A: 3 9/16 Inches - 90mm

B: 2 7/8 Inches - 73mm

C: 2 15/16 Inches - 75mm

D: 3/16 Inches - 5mm

Swivel
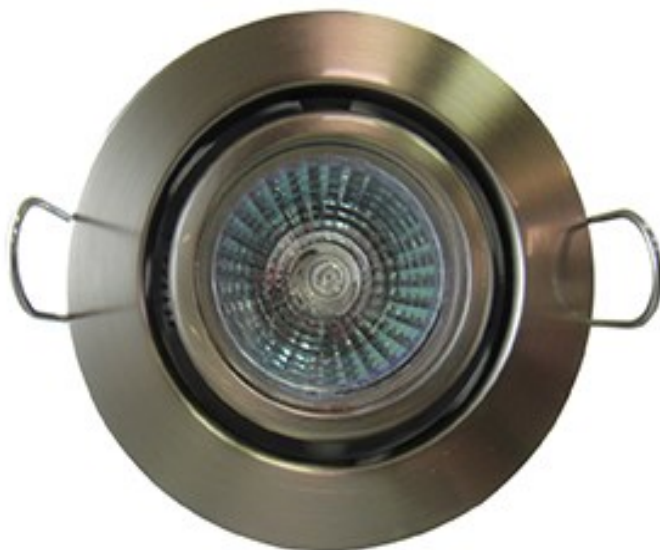
Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
GX5.3	LED	35W	Low	Spring Clip	*See Below	White
LED Engine	Halogen		High			Black Nickel
	Xenon		AC/DC	Flush		Polished Gold
						Polished Chrome
						Powder Coating

*Bulb Source Options

Socket	Type	Color			Voltage	Dimmable
GX5.3	LED MR16	Warm White 5W			12v/24v	Yes
GX5.3	LED MR16	Cool White 5W			12v/24v	Yes
CSA600		Warm White	5.5W	550 Lumen		
		Cool White	5.5W	600 Lumen		
LED Engine	LED	Multi Color	5.5W	500 Lumen	12v/24v	Yes

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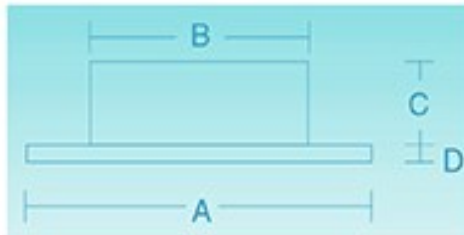Prices subject to change without notice

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Interior

Teo

A: 2 7/8 Inches   73mm

B: 2 /1/8 Inches   54mm

C: 1/2 Inch   13.65mm

D: 3/8 Inch   4.9mm

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
G4	LED	10W	Low	Screw	*See Below	Brushed Chrome
	Halogen					
	Xenon		AC/DC	Flush		

* Bulb Source Options

Socket	Type	Color	Voltage	Dimmable
G4	Halogen	White	12v or 24v	Yes
	Xenon	White	12v or 24v	Yes
	Single Color LED	Cool White, Warm White, Blue, Red, Green	10v-30v	Yes
	Bi-Color LED	Cool White & Blue, Warm White & Red, Cool White & Green		Yes

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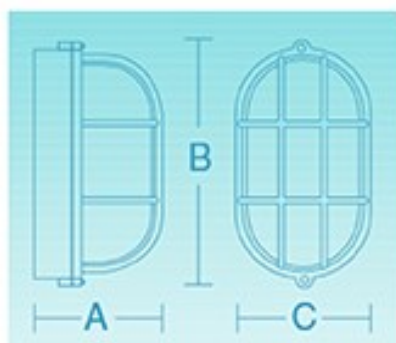Innovations In Illumination
- Marine & RV -

Tybee

A: 4 1/2 Inches / 115 mm

B: 7 11/16 Inches / 195 mm

C: 4 3/4 Inches / 120 mm

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
E27	LED (WW, CW)	40W	Low	Screw	*See Below	White
GY6.35	Halogen (White)		High	Surface		
LED Engine	Xenon (White)		AC/DC			
	Incandescent (White)					

*Bulb Source Options

Socket	Type	Color			Voltage	Dimmable
GY6.35	LED	1.8W Tower CW, WW			12v/24v	Yes
		Warm White	5.5W	550 Lumen		
		Cool White	5.5W	600 Lumen		
	LED Engine	Multi Color	5.5W	500 Lumen	12v/24v	Yes

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Interior

Voyager
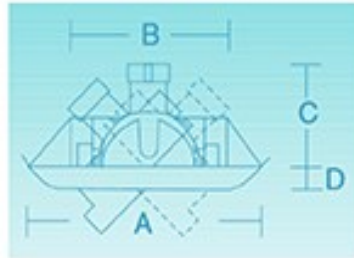
A: 3 1/8 Inches - 80mm

B: 2 1/2 Inches - 64mm

C: 1 3/8 Inches - 35mm

D: 3/8 Inches - 10mm

Swivel

Socket	Bulb Options	Max Wattage	Voltage	Mounting Styles	Bulb Color	Fixture Finish
G4	LED	20W	Low	Spring Clip	*See Below	White
LED Engine	Halogen					Nickel Satin
	Xenon		AC/DC	Flush		Polished Brass
						Polished Chrome
						Powder Coating
						Chrome/Brass Polish
						Brass/Chrome Polish

*Bulb Source Options

Socket	Type	Color	Voltage	Dimmable
G4 & G9	Halogen	White	12v or 24v	Yes
	Xenon	White	12v or 24v	Yes
	Single Color LED	Cool White, Warm White, Blue, Red, Green	10v-30v	Yes
	Bi-Color LED	Cool White & Blue, Warm White & Red, Cool White & Green		Yes
	CSA600	Warm White 5.5W 550 Lumen		
		Cool White 5.5W 600 Lumen		
	LED Engine	Multi Color 5.5W 500 Lumen	12v or 24v	Yes
GX5.3 MR16	LED	Warm White , Cool White	12v or 24v	Yes

DRSA

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Phone: (561) 842-5704 • (800) 844-8593 • Fax: 561-842-5705

Important Customer Information

Office Hours 8:00 a.m. - 5:00 p.m. Monday - Friday – Eastern Standard Time
Phone (561)842-5704 or toll free (800)844-8593
Fax (561)842-5705
Website http://www.drsa.com
E-mail mail@drsa.com

Mailing Address	**Ship To Address**
DRSA	DRSA
P.O. Box 14447	7950 Central Industrial Dr, Ste 106
North Palm Beach, FL 33408-0447	Riviera Beach, FL 33404

Payment Methods Discover – MasterCard – Visa – American Express
C.O.D. – Wire Transfer – Check – Cash (on site)

Account Terms Net 30 for approved business accounts

Invoice Method Upon shipping a customer's order DRSA will email invoice to customer.

Paying Your Bill Please include the invoice number on the check so that payment is posted properly to your account. There is a 1.1/2% monthly charge on all past due accounts.

Special Orders We will gladly accommodate Special Orders for our customers. Special Orders require a 50% non-refundable deposit.

Return Policy All returned goods must be accompanied by an RMA# (issued by DRSA) and the original Invoice number of each returned item. Please mark the RMA# on the outside of each box.
Returns may be subject to a restocking fee.

Shipping Options We presently use UPS, FedEx, and DHL. If no preference is declared by a customer, we use UPS Ground.

Damage Claims Claims for goods are damaged in transit must be reported to DRSA upon receipt of shipment. We will provide instructions at that time. Goods must remain in original packaging and shipping carton for UPS (or other carrier) to process claim.

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Phone: (561) 842-5704 • (800) 844-8593 • Fax: 561-842-5705

History & Overview

In the 1980's there were no dedicated marine lighting manufactures or distributors. Most lights used on "boats" were stock residential lights with bulky, unattractive controls and electrical outlets. DRSA was founded in 1988 to supply the marine industry a clearly superior alternative to these products.

Now, under the leadership of sole owner Cathy Smith, DRSA continues to provide only the highest quality fixtures and electrical products engineered for the marine environment. We offer customized solutions to assure that *your* goals – from design and engineering to operations and logistics – are achieved. We focus on stellar customer service, technical support, research and development.

Our products include a complete array of light fixtures and electrical components including transformers, bulbs, accessories and innovative LED products. DRSA has the ability to custom design, test and manufacture fixtures to meet your exact specifications and décor requirements.

Our warranty policy extends to the end-user. Should any DRSA lighting fixture or electrical component fail during normal use for the life of the product, we will replace the component free of charge (certain exclusions apply).

DRSA can provide you with the most innovative, up-to-date, quality products available anywhere. No other marine lighting or electrical company can deliver the depth of knowledge, selection of products, and design capabilities, along with the personal service of your DRSA Marketing and Support Team.

We invite you to give us the opportunity to demonstrate our capabilities and assist you with all of your marine lighting and electrical needs.

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Warranty Policy

Daniel R. Smith & Associates, Inc. (dba DRSA) will repair or replace at our option, any DRSA or CSA brand product that is defective for the life of that product. Should an exact replacement be unavailable, a product of similar quality and dimensions will be substituted. Certain exclusions apply (see below). In addition, any manufacturer's warranty available will pass to the purchaser.

Exclusions:
1. All disposable, one-time use products including, but not limited to, fuses, bulbs, lamps and certain non-replaceable, disposable lighting fixtures.
2. All special order, non-stock, one-of-a-kind items.
3. Any product that has not been properly maintained.
4. Any product that has been user modified.
5. Any product that has exceeded the rated capacity specified on the fixture such as the use of a 20-watt bulb in a 10-watt rated fixture.
6. Any product that is used in an application for which it is not intended such as the use of an interior fixture in an exterior application.
7. Improperly installed products.
8. Freight costs and any labor costs associated with warranty items.
9. Unpaid for items such as, but not limited to, samples.

DRSA products are provided on an "as is" basis. DRSA assumes no responsibilities or liabilities for the installation of any product or its proper use. Any problems reported to DRSA will be worked upon on a "best effort" basis. DRSA does not warrant that all reported problems will be resolved. DRSA makes no warranty, expressed or implied, with regard to the on-time delivery, installation or use of any product. All implied Warranties, including the warranties of merchantability and fitness for a particular purpose, are hereby excluded. In no event will DRSA be liable for any lost profits, lost savings, or other consequential, special, or indirect damages, even if DRSA has been advised of the possibility of such losses or damages. In any event, DRSA liability arising out of any kind of legal claim, whether in tort, contract, or otherwise in connection with the purchase, installation or use of a product will not exceed the product's unit Price paid by the initial purchaser. Purchaser deems acceptance of this warranty and exclusions by purchasing and accepting products from DRSA.

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Manufacturers Association

Marine Industries Association
OF PALM BEACH COUNTY, INC.

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Care and Maintenance
of Marine Light Fixtures

Every precaution has been taken in the manufacturing of our fixtures. We recommend that you inspect your product for defects prior to installation.

This fixture should be installed and wired in accordance with the National Fire Protection Association and standards set forth by the American Boat and Yacht Council preferably by a professional electrician. All line voltage fixtures must be grounded.

Installation locations must be free of existing cables and obstructions. Proper clearance at the rear of the fixture is essential for effective heat dissipation. Do not install the fixture where it will come in contact with flammable objects. All electrical connections must be secured.

It is essential that the proper voltage, wattage and polarity be observed in order to avoid possible injury or damage.

Bulb contact configuration must be correct. Handle all bulbs with great care. Never touch halogen bulbs with your bare hands. Direct contact with your skin will damage or decrease the life of the bulb.

Switches are a potential ignition source. Do not install a "self switched" fixture in an area requiring ignition protection unless it is clearly marked and identified as ignition protection compliant.

To remove smudges, fingerprints and dust, rub surfaces gently with a clean soft cloth. To eliminate accumulated salt spray, clean with soft cloth and fresh water. Do not use chemical cleaning agents such as window cleaners or polishing sprays on the fixture's finish. They may dissolve the clear-coat finish and tarnishing will commence.

If you are uncertain about a fixture or experience difficulty, please contact our technical department for assistance.

Recommendations Regarding Marine Lights and Electrical Devices

Potential Radio Frequency Interference (RFI) and/or Electromagnetic Interference (EMI) may be encountered when using various electronic devices including, but not limited to, digital switching units (dill 11ners) and fluorescent ballast's. Careful consideration should be given when installing such devices including, but not limited to, radio frequency receivers used for communication or navigation, digital engine controllers, etc.

DRSA assumes no liability with regard to any product exhibiting these characteristics or any corrective action required to eliminate any of the above mentioned characteristics. We recommend that any electrical or electronic product used on boats be installed and/or serviced by a qualified marine electrician familiar with marine power switching electronics following A.B.Y.C., V.L., and S.A.E. standards and specifications.

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