

# Commercial and Military

**Serviceable** - modular lights with replaceable parts.

**Reliable** - only light on the market that monitors the LED intensity.

**Robust** - machined hard-coated aluminum LED module and heat sink base.

**Proper** - thermal management, constant current drivers, switching power supplies.



The Emily Golding Tugboat and the M80 Stiletto use Signal Mate Navigation Lights.



## Signal Mate also offers:

Recreational and  
ABYC A-16 certified LED navigation lights.

Patented synchronized horn and anchor  
light signaling controller.

[www.SignalMate.com](http://www.SignalMate.com)



BE SAFE | BE SEEN

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Designed, sourced, made in the USA

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## COMMERCIAL LED NAVIGATION LIGHTS

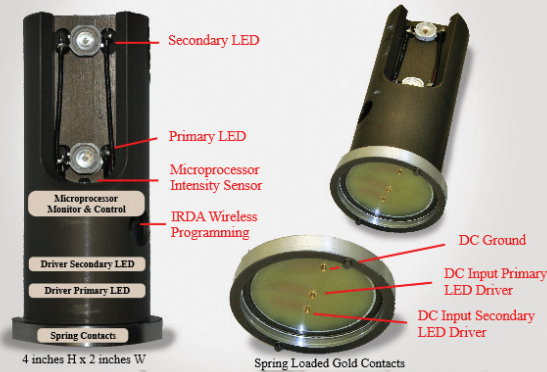
- » UL 1104 Certified
- » 72 COLREGS
- » USCG Approved
- » IMO MSC 253 (83) 4.3 Compliant Models
- » Tested to IP67

**Inspected Vessels 20 M and Over**  
**Blue Water Vessels 50 M and Over**

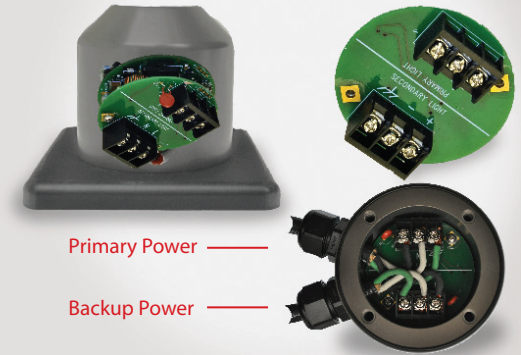
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UL 1104 Certified



LED Module



Power Connector Module

## LED NAVIGATION LIGHTS

### Modular Design

- Replaceable LED module and power supply
- Easy field repairs with less down time
- No need to replace the whole light
- Economical spare parts
- Upgradable to monitoring and double head



The M80 Stiletto uses Signal Mate Navigation Lights.

## REPLACEABLE LED MODULE

Basic (no monitoring) or Monitoring

**Monitoring - Smart with microprocessor in the light** to continuously monitor LED (candelas) intensity. If not nautical mile compliant, notify operator.

Counts hours of use to indicate approaching end of life to schedule replacement of LED module.

Single head – Basic or monitoring.

Double head (2 in 1 fixture) - Basic or monitoring. Two drivers, two sets of LEDs, back-up (redundant) light for inspected vessels.

Autonomous Double head - Always ensures a working back-up by alternating heads (twice the life) at startup. Monitoring LED intensity to meet 72 COLREGs. If not compliant, automatically switches heads. One input.

- IMO Resolution MSC 253 (83)
- 4.3 Special requirements for LED navigation light.
- 4.3.1 Monitoring LED Intensity.
- 4.3.2 Counting Hours of Use. Specified LED lifespan

Signal Mate does both to be sure.

## REPLACEABLE POWER CONNECTOR PCB

One Power Connector.

One input.

Two Power Connectors.

Two inputs - Primary and Secondary.

- 120 - 240 VAC
- 12 - 32 VDC
- AC with DC back-up. Two inputs.
- Polarity Protection, Surge Suppression
- Common Mode Choke
- RF filtering for EMI
- Wire-ready terminal blocks up to 12 AWG

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