

SL-CGA 1252W

Class 'A' LED Lantern

The SL-CGA 1252W is a United States Coast Guard approved Class 'A' structure lantern specifically designed to meet the needs of Class 'A' structures in the Gulf of Mexico.

The lantern utilises 72 LEDs as a light source, enhanced by Sealite's LED lens and omnidirectional LED reflector (US Pat. No. 6,667,582. AU Pat. No. 778,918) to gain optimum LED performance.

The SL-CGA 1252W is one of the most advanced LED marine lanterns on the market. Utilizing the latest software and micro circuitry developments, the lantern boasts a huge number of features including flash-memory and the most efficient power conversion available.

The Sealite Advantage

- U.S. Coast Guard Approved
- Low maintenance (LED technology)
- Easy retrofit on existing structures
- Available with proprietary 'synchronisation' software
- IP68 waterproof

The SL-CGB 1251W is a United States Coast Guard approved Class 'B' structure lantern specifically designed to meet the needs of Class 'B' structures.

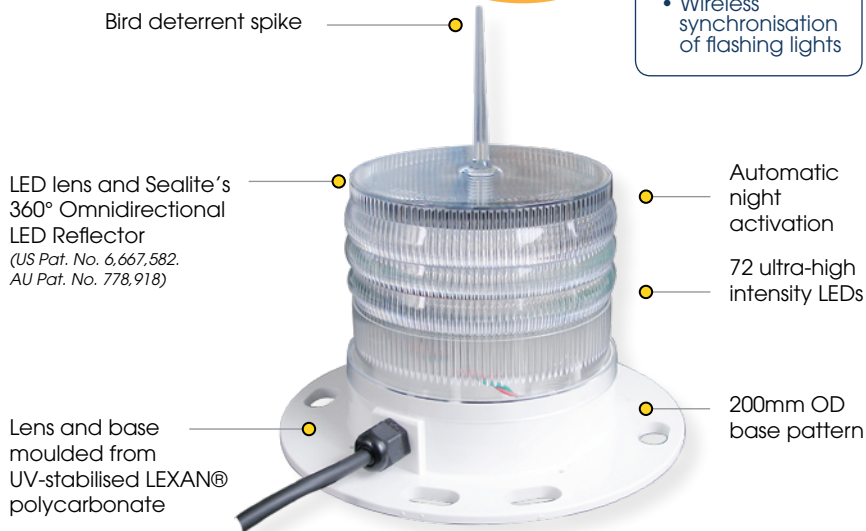
The SL-CGB 1251W boasts a huge number of features including flash-memory and the most efficient power conversion available. The light utilises 36 LEDs as a light source, enhanced by Sealite's LED lens and omnidirectional LED reflector (US Pat. No. 6,667,582. AU Pat. No. 778,918) to gain optimum LED performance.

The unit is supplied with a 1mtr pigtail for 12v power input, and is ideal to fit on existing structures or can be supplied as a complete unit with external solar modules and battery compartment.

New Feature

Now available with internal RF Comm-Synch

- No cabling
- Wireless synchronisation of flashing lights



This lantern is available in a hard-wired (SL-CGA 1252W-S), RF (SL-CGA 1252W-CS) or GPS synchronised (SL-CGA 1252W-GPS) version for multiple lantern installations

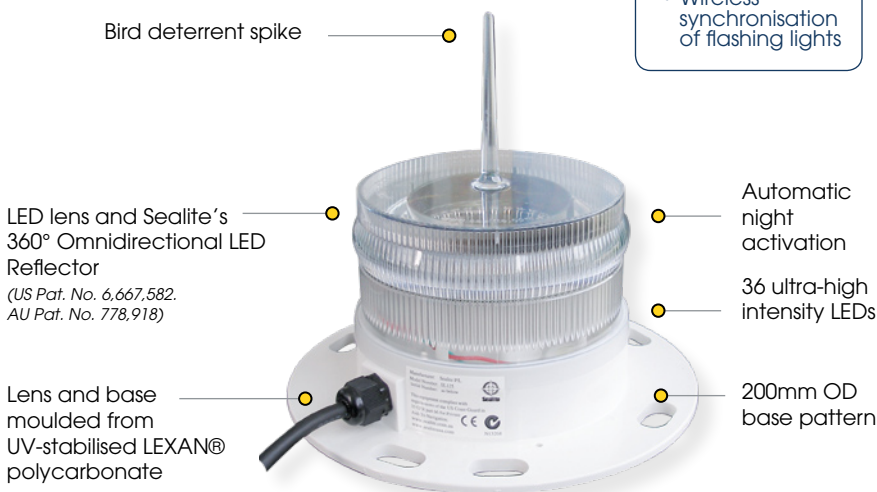
SL-CGB 1251W

Class 'B' LED Lantern

New Feature

Now available with internal RF Comm-Synch

- No cabling
- Wireless synchronisation of flashing lights



This lantern is available in a hard-wired (SL-CGB 1251W-S), RF (SL-CGB 1251W-CS) or GPS synchronised (SL-CGB 1251W-GPS) version for multiple lantern installations



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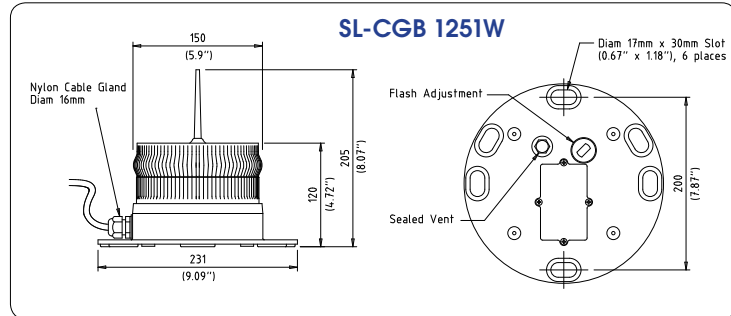
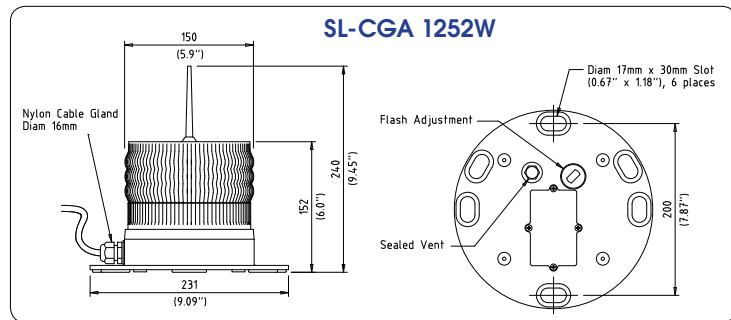
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SL-CGA 1252W / SL-CGB 1251W

Class 'A' and 'B' LED Lanterns



RF Comm-Synch
Class A & B Lanterns



SPECIFICATIONS •

SL-CGA 1252W

SL-CGB 1251W

USCG Approval

Class A

Class B

Light Characteristics

Light Source
Available Colours
Effective Intensity (cd)
Visible Range (nm)
Horizontal Output (degrees)
Vertical Divergence (degrees)
Reflector Type

72 ultra-high intensity LEDs
White
148 Candela (@ QF 0.3sec ON)
>5
360
9
Omnidirectional 360° LED Reflector
(US Pat. No. 6,667,582. AU Pat. No. 778,918)
Up to 256 IALA recommended (user adjustable)
Adjustable in 25% increments
>100,000
Optional via Hard-Wire, RF or GPS

36 ultra-high intensity LEDs
White
79 Candela (@ QF 0.3sec ON)
>3
360
9
Omnidirectional 360° LED Reflector
(US Pat. No. 6,667,582. AU Pat. No. 778,918)
Up to 256 IALA recommended (user adjustable)
Adjustable in 25% increments
>100,000
Optional via Hard-Wire, RF or GPS

Available Flash Characteristics
Intensity Adjustments
LED Life Expectancy (hours)
Synchronisation

Electrical Characteristics

Current Draw (mA)
Circuit Protection
Nominal Voltage (V)
Temperature Range

640
Integrated
12
-40 to 80°C

320
Integrated
12
-40 to 80°C

Physical Characteristics

Body Material
Lens Material
Lens Diameter (mm/inches)
Lens Design
Mounting
Height (mm/inches)
Width (mm/inches)
Mass (kg/lbs)
Product Life Expectancy

LEXAN® Polycarbonate – UV-stabilised
LEXAN® Polycarbonate – UV-stabilised
150 / 5⁷/₈
External optics with interior flute design
200mm OD base pattern
240 / 9¹/₂
231 / 9¹/₈
1.2 / 2²/₃
Up to 12 years

LEXAN® Polycarbonate – UV-stabilised
LEXAN® Polycarbonate – UV-stabilised
150 / 5⁷/₈
External optics with interior flute design
200mm OD base pattern
205 / 8¹/₈
231 / 9¹/₈
1.1 / 2¹/₂
Up to 12 years

Certifications

CE

EN61000-6-3:2001. EN61000-6-1:2001. EN55022.
EN61000-4-2:1995. EN61000-4-3:2002.
USCG specification HSCG23-05-R-E43013,
including Change 1.
ISO9001:2000
IP68

EN61000-6-3:2001. EN61000-6-1:2001. EN55022.
EN61000-4-2:1995. EN61000-4-3:2002.
USCG specification HSCG23-05-R-E43013,
including Change 1.
ISO9001:2000
IP68

Quality Assurance
Waterproof

Intellectual Property

Patents
Trademarks

US Pat. No. 6,667,582. AU Pat. No. 778,918
SEALITE® is a registered trademark of Sealite
Pty Ltd

US Pat. No. 6,667,582. AU Pat. No. 778,918
SEALITE® is a registered trademark of Sealite Pty
Ltd

Warranty *

Options Available

Full 3 years

- Additional cable
- Remote monitoring capabilities (AIS, GSM cell-phone)
- RF comm-synch (SL-CGA 1252W-CS)

Full 3 years

- Additional cable
- Remote monitoring capabilities (AIS, GSM cell-phone)
- RF comm-synch (SL-CGB 1251W-CS)

• Specifications subject to change or variation without notice

* Subject to standard terms and conditions



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U.S. Department of
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United States
Coast Guard



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16500

MAY 4 2006

Mr. Paul Goodwin
Watermark Navigation Systems, LLC
29 Gilford East Drive
Gilford, NH 03249

Dear Mr. Goodwin:

The letter is in response to your email of January 26, 2006 requesting approval of your Sealite lanterns for use on Class A, B and C structures.

You are authorized to identify the white SL-CGA1252W as being "U. S. Coast Guard Approved" for Class "A" structures, the SL-CGB1251W as being approved for class "B" structures and the SL-CGC60W as being approved for class "C" structures when operated under the jurisdiction of the 8th Coast Guard District. This approval is based on test data provided in your reports from Light Lab International as well as the discussion below:

The white SL-CGA1252W lantern operating with a Quick flash rhythm (0.3 seconds ON) will provide a minimum effective intensity of 148 candela satisfying the requirements of 125 candela for class "A" structures. The white SL-CGB1251W operating with a Quick flash rhythm (0.3 seconds ON) will provide a minimum effective intensity of 79 candela satisfying the requirements of 25 candela for class "B" structures. The white SL-CGC60W lantern operating with a Quick flash rhythm (0.3 seconds ON) will provide a minimum effective intensity of 10 candela satisfying the requirements of 1 candela for use on class "C" structures.

Sincerely,

J.J. ARENSTAM
Commander, U. S. Coast Guard
By direction



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