

StackLight™ 101 Series

Edwards 101 Series StackLight is a versatile signaling device that may contain up to five light modules and a pulsating horn in a single, integrated stack. The 85dB pulsating horn can be operated as a sixth independent signal or in conjunction with any one of the five light modules available.

The lens modules are available with LED, Incandescent or Strobe light sources. Options for steady-on, flashing or multi-mode are available. Ideal for heavy-duty use in locations where visibility over longer distances is required.

Features and Specifications

- LED, Incandescent, Halogen and Strobe light source
- Steady-on, flashing or multi-mode (flashing or steady-on)
- Base unit includes a pulsating horn, 95dB at 1 meter/85dB at 10 feet
- Option for panel or conduit mounting
- Can be mounted for use in indoor or outdoor applications (lens facing up for outdoor use).
- Designed for 4" octagonal box mounting



Ordering Information

| Description | Cat. No. | Operating Voltage ¹ | Current | Lens/ LED Colors | Lamp Life | Flash Rate | Replacement Horns | Replacement Lamps |
|---------------------|-----------------|--------------------------------|---------|------------------|-----------|------------|-------------------|-------------------|
| Base Unit with Horn | 101BS-N5 | 120V AC | 0.05 A | — | — | — | 123A-N5 | — |
| | 101BS-E1 | 12V DC | 0.05 A | — | — | — | P-047570-0743 | — |
| | 101BS-G1 | 24V DC | 0.05 A | — | — | — | P-047570-0743 | — |

| Module Type | Cat. No. | Operating Voltage | Current | Lens/ LED Colors | Lamp Life | Flash Rate | Peak Candela | Replacement Lamps |
|---------------------------|--------------------|-------------------|---------|------------------|---------------------------|------------|--------------|---|
| Steady-on Incandescent | 101SINR-E1 | 12V DC | 1.0 A | Red | 1,520 hours ² | — | 2374 | Industry trade No. 94 ⁴ |
| | 101SING-E1 | 12V DC | 1.0 A | Green | 1,520 hours ² | — | 2374 | |
| | 101SINA-E1 | 12V DC | 1.0 A | Amber | 1,520 hours ² | — | 2374 | |
| | 101SINB-E1 | 12V DC | 1.0 A | Blue | 1,520 hours ² | — | 2374 | |
| | 101SINM-E1 | 12V DC | 1.0 A | Magenta | 1,520 hours ² | — | 2374 | |
| | 101SINC-E1 | 12V DC | 1.0 A | Clear | 1,520 hours ² | — | 2374 | |
| Steady-on Halogen | 101SINHR-G1 | 24V DC | 0.32 A | Red | 15,000 hours ² | — | 653 | 50LMP– 9WH-D or industry trade no. 1692 ^{3,4} |
| | 101SINHG-G1 | 24V DC | 0.32 A | Green | 15,000 hours ² | — | 653 | |
| | 101SINHA-G1 | 24V DC | 0.32 A | Amber | 15,000 hours ² | — | 653 | |
| | 101SINHB-G1 | 24V DC | 0.32 A | Blue | 15,000 hours ² | — | 653 | |
| | 101SINHM-G1 | 24V DC | 0.32 A | Magenta | 15,000 hours ² | — | 653 | |
| | 101SINHC-G1 | 24V DC | 0.32 A | Clear | 15,000 hours ² | — | 653 | |

¹AC voltage frequency is 50/60 Hz
²Calculated at 65 fpm and 50% duty cycle
³Incandescent lamp
⁴User supplied





| Ordering Information | | Continued | | | | | | |
|-----------------------|--------------|--------------------------------|---------|------------------|--|------------|-------------------|-------------------|
| Module Type | Cat. No. | Operating Voltage ¹ | Current | Lens/ LED Colors | Lamp Life | Flash Rate | Replacement Horns | Replacement Lamps |
| Multi-mode XBR LED | 101XBRMR120A | 120V AC | 0.108 A | Red | 148,000 hours (L70) ² | 65 fpm | — | — |
| | 101XBRMG120A | 120V AC | 0.108 A | Green | | | — | — |
| | 101XBRMA120A | 120V AC | 0.108 A | Amber | | | — | — |
| | 101XBRMB120A | 120V AC | 0.108 A | Blue | | | — | — |
| | 101XBRMW120A | 120V AC | 0.108 A | Clear/White | | | — | — |
| | 101XBRMR24D | 24V DC | 0.215 A | Red | 148,000 hours (L70) ² | 65 fpm | — | — |
| | 101XBRMG24D | 24V DC | 0.215 A | Green | | | — | — |
| | 101XBRMA24D | 24V DC | 0.215 A | Amber | | | — | — |
| | 101XBRMB24D | 24V DC | 0.215 A | Blue | | | — | — |
| | 101XBRMW24D | 24V DC | 0.215 A | Clear/White | | | — | — |

¹AC voltage frequency is 50/60 Hz

²LED Manufacturer's Median Projected LED Life for LUXEON Rebel LEDs (L70 at 85°C and T_{junction} 98°C). Actual LED life will vary inversely with ambient temperature, voltage, driver current, junction temperature and duty-cycle at which the signaling device is operated. Please refer to <http://www.philipslumileds.com/pdfs/WP15.pdf>.

Signal Input Load Characteristics

These devices may be operated by PLCs with output characteristics that match the input load requirements of the signal.

| Cat. No. | Operating Voltage ¹ | Max. Off State Leakage Current (A) | Continuous On Current (A) | Surge (inrush / duration) |
|---------------|--------------------------------|------------------------------------|---------------------------|---------------------------|
| 101BS-N5 | 120V AC | 0.025 | 0.050 | 2 A / 1 millisecond |
| 101BS-G1 | 24V DC | 0.025 | 0.050 | 2 A / 1 millisecond |
| 101SINH*-N5 | 120V AC | 0.025 | 0.110 | 0.5 A / 8 millisecond |
| 101SINH*-G1 | 24V DC | 0.025 | 0.320 | 0.36 A / 1 millisecond |
| 101FINH*-N5 | 120V AC | 0.025 | 0.110 | 1.15 A / 8 millisecond |
| 101FINH*-G1 | 24V DC | 0.025 | 0.320 | 1.2 A / 100 millisecond |
| 101ST*-N5 | 120V AC | 0.005 | 0.120 | 2.1 A / 1 millisecond |
| 101ST*-G1 | 24V DC | 0.0015 | 0.300 | 0.33 A / 1 millisecond |
| 101XBRM**120A | 120V AC | 0.005 | 0.108 | 37.5 A / 164 microseconds |
| 101XBRM**24D | 24V DC | 0.003 | 0.215 | 34.5 A / 52 microseconds |

*Letter in this position designates lens color: A - amber, B - blue, G - green, R - red, C - Clear, or M - magenta

**Letter in this position designates lens/LED color: A - amber, B - blue, G - green, R - red, or W - clear/white

StackLight™ 101 Series

Weights and Dimensions

| Cat. No. | Approx. Net Weight (lb.) | Approx. Shipping Weight (lb.) |
|-------------|--------------------------|-------------------------------|
| 101BS-N5 | 1.40 | 1.74 |
| 101BS-E1 | 1.40 | 1.74 |
| 101BS-G1 | 1.40 | 1.74 |
| 101SIN*-E1 | 0.63 | 0.79 |
| 101SINH*-G1 | 0.63 | 0.79 |
| 101SINH*-N5 | 0.63 | 0.79 |
| 101FIN*-E1 | 0.66 | 0.82 |
| 101FINH*-N5 | 0.66 | 0.82 |
| 101FINH*-G1 | 0.66 | 0.82 |
| 101ST*-N5 | 0.72 | 0.88 |
| 101ST*-E1 | 0.72 | 0.88 |
| 101ST*-G1 | 0.72 | 0.88 |
| 101XBRM** | 0.81 | 0.97 |

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