

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



VISUAL SIGNALS

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



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Ordering Information		Continued						
Module Type	Cat. No.	Operating Voltage ¹	Current	Lens/ LED Colors	Lamp Life	Flash Rate	Peak Candela	Replacement Lamps
Steady-on Halogen (continued)	101SINHR-N5	120V AC	0.11 A	Red	25,000 hours ²	—	876	50LMP–9WH-D or industry trade no. 1692 ^{4,5}
	101SINHG-N5	120V AC	0.11 A	Green	25,000 hours ²	—	876	
	101SINHA-N5	120V AC	0.11 A	Amber	25,000 hours ²	—	876	
	101SINHB-N5	120V AC	0.11 A	Blue	25,000 hours ²	—	876	
	101SINHM-N5	120V AC	0.11 A	Magenta	25,000 hours ²	—	876	
	101SINHC-N5	120V AC	0.11 A	Clear	25,000 hours ²	—	876	
Flashing Incandescent	101FINR-E1	12V DC	1.0 A	Red	1,520 hours ²	65 fpm	2374	Industry trade No. 94 ⁵
	101FING-E1	12V DC	1.0 A	Green	1,520 hours ²		2374	
	101FINA-E1	12V DC	1.0 A	Amber	1,520 hours ²		2374	
	101FINB-E1	12V DC	1.0 A	Blue	1,520 hours ²		2374	
	101FINM-E1	12V DC	1.0 A	Magenta	1,520 hours ²		2374	
	101FINC-E1	12V DC	1.0 A	Clear	1,520 hours ²		2374	
Flashing Halogen	101FINHR-G1	24V DC	0.32 A	Red	15,000 hours ²	65 fpm	653	50LMP–9WH-D or industry trade no. 1692 ^{4,5}
	101FINHG-G1	24V DC	0.32 A	Green	15,000 hours ²		653	
	101FINHA-G1	24V DC	0.32 A	Amber	15,000 hours ²		653	
	101FINHB-G1	24V DC	0.32 A	Blue	15,000 hours ²		653	
	101FINHM-G1	24V DC	0.32 A	Magenta	15,000 hours ²		653	
	101FINHC-G1	24V DC	0.32 A	Clear	15,000 hours ²		653	
	101FINHR-N5	120V AC	0.11 A	Red	25,000 hours ²	65 fpm	876	50LMP–12WH-D or industry trade no. 15T7DC ^{4,5}
	101FINHG-N5	120V AC	0.11 A	Green	25,000 hours ²		876	
	101FINHA-N5	120V AC	0.11 A	Amber	25,000 hours ²		876	
	101FINHB-N5	120V AC	0.11 A	Blue	25,000 hours ²		876	
	101FINHM-N5	120V AC	0.11 A	Magenta	25,000 hours ²		876	
	101FINHC-N5	120V AC	0.11 A	Clear	25,000 hours ²		876	
Strobe	101STR-E1	12V DC	0.5 A	Red	3,000 hours ³	—	300,000	91B-ST
	101STG-E1	12V DC	0.5 A	Green	3,000 hours ³		300,000	
	101STA-E1	12V DC	0.5 A	Amber	3,000 hours ³		300,000	
	101STB-E1	12V DC	0.5 A	Blue	3,000 hours ³		300,000	
	101STM-E1	12V DC	0.5 A	Magenta	3,000 hours ³		300,000	
	101STC-E1	12V DC	0.5 A	Clear	3,000 hours ³		300,000	
	101STR-G1	24V DC	0.3 A	Red	3,000 hours ³	—	300,000	91B-ST
	101STG-G1	24V DC	0.3 A	Green	3,000 hours ³		300,000	
	101STA-G1	24V DC	0.3 A	Amber	3,000 hours ³		300,000	
	101STB-G1	24V DC	0.3 A	Blue	3,000 hours ³		300,000	
	101STM-G1	24V DC	0.3 A	Magenta	3,000 hours ³		300,000	
	101STC-G1	24V DC	0.3 A	Clear	3,000 hours ³		300,000	
	101STR-N5	120V AC	0.12 A	Red	3,000 hours ³	—	300,000	91B-ST
	101STG-N5	120V AC	0.12 A	Green	3,000 hours ³		300,000	
	101STA-N5	120V AC	0.12 A	Amber	3,000 hours ³		300,000	
	101STB-N5	120V AC	0.12 A	Blue	3,000 hours ³		300,000	
	101STM-N5	120V AC	0.12 A	Magenta	3,000 hours ³		300,000	
	101STC-N5	120V AC	0.12 A	Clear	3,000 hours ³		300,000	

¹AC voltage frequency is 50/60 Hz
²Calculated at 65 fpm and 50% duty cycle
³Operating power to 75% efficiency
⁴Incandescent lamp
⁵User 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	101XBMR120A	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	—	—		
	101XBMR24D	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

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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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