

# 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 <sup>1</sup>	Current	Lens/ LED Colors	Lamp Life	Flash Rate	Replacement Horns	Replacement Lamps
Base Unit with Horn	<b>101BS-N5</b>	120V AC	0.05 A	—	—	—	123A-N5	—
	<b>101BS-E1</b>	12V DC	0.05 A	—	—	—	P-047570-0743	—
	<b>101BS-G1</b>	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	<b>101SINR-E1</b>	12V DC	1.0 A	Red	1,520 hours <sup>2</sup>	—	2374	Industry trade No. 94 <sup>4</sup>
	<b>101SING-E1</b>	12V DC	1.0 A	Green	1,520 hours <sup>2</sup>	—	2374	
	<b>101SINA-E1</b>	12V DC	1.0 A	Amber	1,520 hours <sup>2</sup>	—	2374	
	<b>101SINB-E1</b>	12V DC	1.0 A	Blue	1,520 hours <sup>2</sup>	—	2374	
	<b>101SINM-E1</b>	12V DC	1.0 A	Magenta	1,520 hours <sup>2</sup>	—	2374	
	<b>101SINC-E1</b>	12V DC	1.0 A	Clear	1,520 hours <sup>2</sup>	—	2374	
Steady-on Halogen	<b>101SINHR-G1</b>	24V DC	0.32 A	Red	15,000 hours <sup>2</sup>	—	653	50LMP– 9WH-D or industry trade no. 1692 <sup>3,4</sup>
	<b>101SINHG-G1</b>	24V DC	0.32 A	Green	15,000 hours <sup>2</sup>	—	653	
	<b>101SINHA-G1</b>	24V DC	0.32 A	Amber	15,000 hours <sup>2</sup>	—	653	
	<b>101SINHB-G1</b>	24V DC	0.32 A	Blue	15,000 hours <sup>2</sup>	—	653	
	<b>101SINHM-G1</b>	24V DC	0.32 A	Magenta	15,000 hours <sup>2</sup>	—	653	
	<b>101SINHC-G1</b>	24V DC	0.32 A	Clear	15,000 hours <sup>2</sup>	—	653	

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



# StackLight™ 101 Series

Ordering Information		Continued								
ModuleType	Cat. No.	Operating Voltage <sup>1</sup>	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 <sup>2</sup>	—	876	50LMP– 12WH-D or industry trade 15T7DC <sup>4,5</sup>		
	101SINHG-N5	120V AC	0.11 A	Green	25,000 hours <sup>2</sup>	—	876			
	101SINHA-N5	120V AC	0.11 A	Amber	25,000 hours <sup>2</sup>	—	876			
	101SINHB-N5	120V AC	0.11 A	Blue	25,000 hours <sup>2</sup>	—	876			
	101SINHM-N5	120V AC	0.11 A	Magenta	25,000 hours <sup>2</sup>	—	876			
	101SINHC-N5	120V AC	0.11 A	Clear	25,000 hours <sup>2</sup>	—	876			
Flashing Incandescent	101FINR-E1	12V DC	1.0 A	Red	1,520 hours <sup>2</sup>	65 fpm	2374	Industry trade No. 94 <sup>5</sup>		
	101FING-E1	12V DC	1.0 A	Green	1,520 hours <sup>2</sup>		2374			
	101FINA-E1	12V DC	1.0 A	Amber	1,520 hours <sup>2</sup>		2374			
	101FINB-E1	12V DC	1.0 A	Blue	1,520 hours <sup>2</sup>		2374			
	101FINM-E1	12V DC	1.0 A	Magenta	1,520 hours <sup>2</sup>		2374			
	101FINC-E1	12V DC	1.0 A	Clear	1,520 hours <sup>2</sup>		2374			
Flashing Halogen	101FINHR-G1	24V DC	0.32 A	Red	15,000 hours <sup>2</sup>	65 fpm	653	50LMP– 9WH-D or industry trade no. 1692 <sup>4,5</sup>		
	101FINHG-G1	24V DC	0.32 A	Green	15,000 hours <sup>2</sup>		653			
	101FINHA-G1	24V DC	0.32 A	Amber	15,000 hours <sup>2</sup>		653			
	101FINHB-G1	24V DC	0.32 A	Blue	15,000 hours <sup>2</sup>		653			
	101FINHM-G1	24V DC	0.32 A	Magenta	15,000 hours <sup>2</sup>		653			
	101FINHC-G1	24V DC	0.32 A	Clear	15,000 hours <sup>2</sup>		653			
	101FINHR-N5	120V AC	0.11 A	Red	25,000 hours <sup>2</sup>	65 fpm	876	50LMP– 12WH-D or industry trade no. 15T7DC <sup>4,5</sup>		
	101FINHG-N5	120V AC	0.11 A	Green	25,000 hours <sup>2</sup>		876			
	101FINHA-N5	120V AC	0.11 A	Amber	25,000 hours <sup>2</sup>		876			
	101FINHB-N5	120V AC	0.11 A	Blue	25,000 hours <sup>2</sup>		876			
	101FINHM-N5	120V AC	0.11 A	Magenta	25,000 hours <sup>2</sup>		876			
	101FINHC-N5	120V AC	0.11 A	Clear	25,000 hours <sup>2</sup>		876			
	101STR-E1	12V DC	0.5 A	Red	3,000 hours <sup>3</sup>		65 fpm		300,000	91B-ST
	101STG-E1	12V DC	0.5 A	Green	3,000 hours <sup>3</sup>				300,000	
101STA-E1	12V DC	0.5 A	Amber	3,000 hours <sup>3</sup>	300,000					
101STB-E1	12V DC	0.5 A	Blue	3,000 hours <sup>3</sup>	300,000					
101STM-E1	12V DC	0.5 A	Magenta	3,000 hours <sup>3</sup>	300,000					
101STC-E1	12V DC	0.5 A	Clear	3,000 hours <sup>3</sup>	300,000					
Strobe	101STR-G1	24V DC	0.3 A	Red	3,000 hours <sup>3</sup>	65 fpm	300,000	91B-ST		
	101STG-G1	24V DC	0.3 A	Green	3,000 hours <sup>3</sup>		300,000			
	101STA-G1	24V DC	0.3 A	Amber	3,000 hours <sup>3</sup>		300,000			
	101STB-G1	24V DC	0.3 A	Blue	3,000 hours <sup>3</sup>		300,000			
	101STM-G1	24V DC	0.3 A	Magenta	3,000 hours <sup>3</sup>		300,000			
	101STC-G1	24V DC	0.3 A	Clear	3,000 hours <sup>3</sup>		300,000			
	101STR-N5	120V AC	0.12 A	Red	3,000 hours <sup>3</sup>	65 fpm	300,000	91B-ST		
	101STG-N5	120V AC	0.12 A	Green	3,000 hours <sup>3</sup>		300,000			
	101STA-N5	120V AC	0.12 A	Amber	3,000 hours <sup>3</sup>		300,000			
	101STB-N5	120V AC	0.12 A	Blue	3,000 hours <sup>3</sup>		300,000			
	101STM-N5	120V AC	0.12 A	Magenta	3,000 hours <sup>3</sup>		300,000			
	101STC-N5	120V AC	0.12 A	Clear	3,000 hours <sup>3</sup>		300,000			

<sup>1</sup>AC voltage frequency is 50/60 Hz  
<sup>2</sup>Calculated at 65 fpm and 50% duty cycle  
<sup>3</sup>Operating power to 75% efficiency  
<sup>4</sup>Incandescent lamp  
<sup>5</sup>User supplied



Ordering Information		Continued						
Module Type	Cat. No.	Operating Voltage <sup>1</sup>	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) <sup>2</sup>	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) <sup>2</sup>	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			—	—

<sup>1</sup>AC voltage frequency is 50/60 Hz

<sup>2</sup>LED Manufacturer's Median Projected LED Life for LUXEON Rebel LEDs (L70 at 85°C and T<sub>junction</sub> 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 <sup>1</sup>	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

\*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

