

TESTED TO COMPLY WITH BOTH



**ASTM**  
E3022-15  
Standard

**Rolls-Royce**  
RRES 90061  
Requirements

**MEETS**  
EN ISO:3059  
Specifications

**SPECTROLINE**  
NDT

## EDGE™ 13 SERIES

LED UV-A ASTM/RRES Compliant Flood Lamp

EDG-13SBLC

Standard intensity **ASTM E3022-15** and **Rolls-Royce RRES 90061** compliant broad-beam flood lamp for overhead nondestructive testing inspections.

**IP65**  
RATED



**Dust Tight &  
Water Resistant**



**NDT Inspection  
Booths**



**Screening of  
Fluorescent Particles**

**FANLESS**  
Cool running design  
that uses state-of-  
the-art heat sinks

**THERMAL CUT-OFF  
CIRCUITRY**  
Prevents lamp from going  
out of compliance when  
internal temperature exceeds  
specifications

**INTEGRAL  
BLACK LIGHT  
FILTERS**  
Reduce visible  
wavelengths

**LONG-LASTING  
UV-A LENSES**  
Virtually eliminate  
clouding/solarization

**13 UV-A LEDs**  
Provides large area of coverage  
for the largest, most even  
overhead beam available



**CERTIFICATE OF  
CONFORMANCE &  
VALIDATION REPORT**  
included with each lamp

**EASILY MOUNTABLE**  
For overhead inspection or  
in-line applications

**FLEXIBLE ARM**  
For mounting at specific  
angles

**GANGABLE**  
Can be ganged together  
to provide an even wider  
coverage area

## EDGE™ 13 SERIES

MODEL	NOMINAL STEADY-STATE UV-A (365 nm) INTENSITY at 15 in (38 cm) ①	VISIBLE LIGHT MEASUREMENT	UV-A COVERAGE AREA (at minimum 1,200 μW/cm²)
EDG-13SBLC	4,700 μW/cm²	< 1 foot-candle (11 lux)	14.5 x 13 in (37 x 33 cm) Diameter

<b>Light Source:</b>	(13) UV-A (365 nm) LEDs
<b>Lamp Style:</b>	Panel flood lamp
<b>Length: (L x W x H)</b>	11 x 14 x 9 in (28 x 36 x 23 cm)
<b>Weight:</b>	14 lb (6.4 kg)
<b>Power Requirements:</b>	AC power (main AC power cord supplied with the unit) (Available in 100-120V, 230V and 240V versions)

① UV-A intensity reading taken with the Spectroline® AccuMAX™ Series meter, and are factory set to the values shown.

**SPECTROLINE®**  
Validation Report

MODEL NUMBER: EDG-13SBLC  
STANDARD: NIST-1903B-1001

SERIAL NUMBER: [REDACTED]  
PART NUMBER: [REDACTED]

TEST DESCRIPTION	TEST VALUE	TOLERANCE	UNIT	TEST RESULT
Minimum Working Distance	5.00 ft (1.52 m)	NA	ft (m)	Pass
Maximum Working Distance	1.20 ft (0.37 m)	NA	ft (m)	Pass
Flash Wavelength	365.0 ± 0.5 nm	±0.5 nm	nm	Pass
50% Max Fluence at 20 cm	10.0 ± 0.5 mJ/cm²	±0.5 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 30 cm	4.4 ± 0.2 mJ/cm²	±0.2 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 40 cm	2.5 ± 0.1 mJ/cm²	±0.1 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 50 cm	1.6 ± 0.05 mJ/cm²	±0.05 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 60 cm	1.1 ± 0.04 mJ/cm²	±0.04 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 70 cm	0.8 ± 0.03 mJ/cm²	±0.03 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 80 cm	0.6 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 90 cm	0.5 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 100 cm	0.4 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 110 cm	0.3 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 120 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 130 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 140 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 150 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 160 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 170 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 180 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 190 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 200 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 210 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 220 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 230 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 240 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 250 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 260 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 270 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 280 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 290 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 300 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 310 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 320 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 330 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 340 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 350 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 360 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 370 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 380 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 390 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 400 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 410 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 420 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 430 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 440 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 450 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 460 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 470 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 480 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 490 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 500 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 510 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 520 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 530 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 540 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 550 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 560 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 570 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 580 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 590 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 600 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 610 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 620 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 630 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 640 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 650 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 660 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 670 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 680 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 690 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 700 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 710 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 720 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 730 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 740 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 750 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 760 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 770 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 780 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 790 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 800 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 810 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 820 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 830 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 840 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 850 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 860 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 870 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 880 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 890 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 900 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 910 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 920 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 930 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 940 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 950 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 960 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 970 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 980 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 990 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass
50% Max Fluence at 1000 cm	0.2 ± 0.02 mJ/cm²	±0.02 mJ/cm²	mJ/cm²	Pass



For applications requiring extremely large coverage areas, the EDGE™ 13 can be quickly ganged together.

\*Optional accessory: ganged cables with connectors (130156)



**SPECTROLINE®**  
Certificate of Conformance

MODEL NUMBER: EDG-13SBLC  
STANDARD: ASTM E3002, Type A

SERIAL NUMBER: [REDACTED]  
PART NUMBER: [REDACTED]

APPARATUS & MANUFACTURER	MODEL NUMBER
UV-A/Visible Meter (S.I.)	AccuMAX 3000
Fluorometer (S.I.)	SP-1000
Spectrophotometer (S.I.)	SP-1000

LAMP ACCEPTANCE TEST (S.I.)	Requirements	As-Assembled (S.I.) (S.I.)
Minimum Intensity (7.0)	At 15 inches (38 cm)	4700 ± 100 μW/cm²
Intensity Spectrum (7.4.A.6)	Min range 300-400nm	See Figure 1.0 - Pg. 2
Flash Wavelength (7.4.A.6)	365 ± 0.5 nm	Pass
Flame (7.4.A.6)	None	Pass
Lamp Wavelength at Half Maximum (7.4.A.6)	None	Pass
UV-A LED Output Light (200nm) at 15 in (38cm)	< 10 μW/cm²	Pass
Visible Light (200nm) at 15 in (38cm)	< 1.0 foot-candle	Pass



## UV-A Beam Profiles

