

TESTED TO COMPLY WITH BOTH



ASTM
E3022-15
Standard

Rolls-Royce
RRES 90061
Requirements

MEETS
EN ISO:3059
Specifications

SPECTROLINE®
NDT

EDGE™ 13 SERIES

Compliant LED UV-A 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**

EASILY MOUNTABLE
For overhead inspection or
in-line applications

FLEXIBLE ARM
For mounting at specific
angles

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

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

**INTEGRAL
UV-A PASS
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

EDGE™ 13 SERIES EDG-365SBLC

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 $\mu\text{W}/\text{cm}^2$)
EDG-13SBLC	4,700 $\mu\text{W}/\text{cm}^2$	< 1 foot-candle (11 lux)	14.5 x 13 in (37 x 33 cm)

Light Source: (13) UV-A (365 nm) LEDs

Lamp Style: Panel flood lamp

Length: (L x W x H) 11 x 14 x 9 in (28 x 36 x 23 cm)

Weight: 14 lb (6.4 kg)

Power Requirements: 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: Auto-Rayon RIES 9001		SERIAL NUMBER: PART NUMBER:	
TEST	PARAMETERS	TEST TYPE: NORMAL	UNIT TEST
SPECIFICATIONS			
	INITIAL	AFTER T ₁	AFTER T ₂
Minimum Working Distance	5,000 $\mu\text{W}/\text{cm}^2$	NA	NA
Maximum Working Distance	5,000 $\mu\text{W}/\text{cm}^2$	NA	NA
Minimum Working Distance	5,000 $\mu\text{W}/\text{cm}^2$	NA	NA
Peak Wavelength	365 $\pm$ 5 nm	367 $\pm$ 2 nm	368 $\pm$ 2 nm
50% Max Wavelength	365 $\pm$ 5 nm	367 $\pm$ 2 nm	368 $\pm$ 2 nm
50% Min Wavelength	365 $\pm$ 5 nm	367 $\pm$ 2 nm	368 $\pm$ 2 nm
50% Max Wavelength	365 $\pm$ 5 nm	367 $\pm$ 2 nm	368 $\pm$ 2 nm
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50% Max Wavelength	365 $\pm$ 5 nm	367 $\pm$ 2 nm	368 $\pm$ 2 nm
50% Min Wavelength	365 $\pm$ 5 nm	367 $\pm$ 2 nm	368 $\pm$ 2 nm
Wavelength Shift	Shifted to 370nm	Acceptable	Acceptable
Visible Light	< 100 Lux at Minimum Dist	2.00 Lux	2.00 Lux
Output Stability	10 $\pm$ 5% variability over 10 minutes	NA	NA
Ambient Temperature	50 degrees C	25 degrees C	50 degrees C
Source Life*	75,000 - 100,000 hours	75,000 - 100,000 hours	75,000 - 100,000 hours
NA - Not Applicable			



VALIDATION REPORT

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 E332, Type A		SERIAL NUMBER: PART NUMBER:	
APPARATUS & MANUFACTURER	MODEL NUMBER		
UV-A/Visible Meter (B.1)	Spectroline Corporation	AccuMAX 5000	
Spectrophotometer (B.2)	StarLine	UVI 35-25, NIS 3-25	
Spectrophotometer (B.3)	StarLine	UVI 35-25, NIS 3-25	
LAMP ACCEPTANCE TEST (B.1)			
Requirements	At Ambient: 750 (25 C)	At Ambient: 750 (25 C)	At Ambient: 750 (25 C)
Maximum Wavelength (B.1)	365 $\pm$ 5 nm	367 $\pm$ 2 nm	368 $\pm$ 2 nm
Minimum Wavelength (B.1)	365 $\pm$ 5 nm	367 $\pm$ 2 nm	368 $\pm$ 2 nm
Peak Wavelength (B.1)	365 $\pm$ 5 nm	367 $\pm$ 2 nm	368 $\pm$ 2 nm
FWHM (B.1)	10 nm	10 nm	10 nm
Longest Wavelength at Half Maximum (B.1)	365 $\pm$ 5 nm	367 $\pm$ 2 nm	368 $\pm$ 2 nm
UV-A-OP Visible Light (B.1) at 15 in (38 cm)	> 4.0 $\mu\text{W}/\text{cm}^2$	4.7 $\mu\text{W}/\text{cm}^2$	4.7 $\mu\text{W}/\text{cm}^2$
Visible Light (B.1) at 15 in (38 cm)	< 100 Lux	2.00 Lux	2.00 Lux



CERTIFICATE OF CONFORMANCE

UV-A Beam Profiles

