

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

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

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



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 μW/cm²)
EDG-13SBLC	4,700 μW/cm²	< 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.



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

*Optional accessory: ganged cables with connectors (130156)



SPECTROLINE® VALIDATION REPORT			
MODEL NUMBER: EDG-13SBLC STANDARD: Radio-Rayee RRES 90061		SERIAL NUMBER: PART NUMBER:	
TEST DESCRIPTION	PARAMETERS	TYPE TEST	NOMINAL UNIT TEST
Minimum Working Distance	5,000 μW/cm²	NA	25 inches NA
	1,200 μW/cm²	NA	100 inches NA
Minimum Working Distance	5,000 μW/cm²	NA	25 inches NA
	1,200 μW/cm²	NA	100 inches NA
Peak Wavelength	365 ± 5 nm	367 ± 2 nm	367 ± 2 nm
	50% Max of 365 nm (FWHM)	33 ± 1 nm	33 ± 1 nm
	50% Max of 365 nm (FWHM)	33 ± 1 nm	33 ± 1 nm
	50% Max of 365 nm (FWHM)	33 ± 1 nm	33 ± 1 nm
Wavelength Shift	365 nm to 370 nm	Acceptable	Acceptable
	365 nm to 370 nm	Acceptable	Acceptable
	365 nm to 370 nm	Acceptable	Acceptable
	365 nm to 370 nm	Acceptable	Acceptable
Visible Light Output	< 100 Lux at Maximum Dist	2.33 Lux	2.33 Lux
	< 100 Lux at Maximum Dist	20.28 Lux at 15 in	20.28 Lux at 15 in
Output Stability	± 2% (Steady State)	NA	5 minutes
	± 2% (Steady State)	NA	5 minutes
Ambient Temperature	50 degrees C	25 degrees C	25 degrees C
	50 degrees C	25 degrees C	25 degrees C
Source Life*	13,200 - 17000 Initial Intensity	13,200 -	NA
	13,200 - 17000 Initial Intensity	13,200 Hours	20,000 Hours

VALIDATION REPORT

SPECTROLINE® CERTIFICATE OF CONFORMANCE		
MODEL NUMBER: EDG-13SBLC STANDARD: ASTM E3022, Type A		SERIAL NUMBER: PART NUMBER:
APPARATUS & MANUFACTURER	MANUFACTURER	MODEL NUMBER
UV-A/Visible Meter (B.I.)	Spectroline Corporation	AccuMax 3600*
Spectroradiometer (B.I.)	StarWalker	LMF 50-25, NHR 3-25
Spectrophotometer (B.I.)	StarWalker	LMF 50-25, NHR 3-25
LAMP ACCEPTANCE TEST (B.I.)	Requirements	All Ambians: FPM (25 C) 2000 hours, All other: 4000 hours
Maximum Intensity (B.I.)	All 35 inches (90 cm)	4700 μW/cm²
Minimum Intensity (B.I.)	Min range 100 μW/cm²	See Figure 1.2, 1.3, 1.4
Peak Wavelength (B.I.)	365 nm ± 5 nm	NA
FWHM (B.I.)	± 5 nm	NA
Longest Wavelength at Half Maximum (B.I.)	< 370 nm	NA
UV-A LED Visible Light (200nm to 380 nm) (B.I.)	< 0.2% (100 nm)	NA
Visible LED Light (380nm to 430 nm) (B.I.)	< 0.2% (100 nm)	NA

CERTIFICATE OF CONFORMANCE

UV-A Beam Profiles

