

We create

Photonic solutions

Clearstone Technologies

JL3 Series

JL3-400H-100

LED Characteristics

Instant Turn On
High Reliability
Safe Low Voltage
Ozone Free
No Mercury
No Infrared Heating



Features and Options

- Available Wavelengths: 365, 385, 395-410, 455 nm, and mixed wavelength options
- Modular design allows various LED wavelength and active area configuration
- The JL3 standard series is designed for use with [CF2000Rev2.0/3.0](#) Controller Power Supplies for turn key operation including variable power, timed exposures, PLC & USB interfaces.
- Compatible with [Lens Array](#) Technology from Clearstone for light beam control.

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JL3 Series



JL3-365G-6
With extended
window



JL series
with lens array



JL3-enclosure
Removable fan-filter
Mounting on four sides

Part Number	λ (nm)	LEDs (#)	Active Area (cm ²)	Light Power ⁱ (W)	Irradiance ⁱ (mW/cm ²)
JL3-365E-18	365	18	5 (dia)	4.5	225
JL3-365E-42	365	42	5x7.5	10.5	276
JL3-365G-6	365	6	1x6	6	1000
JL3-385E-18	385	18	5 (dia)	5.9	297
JL3-385E-42	385	42	5x7.5	13	297
JL3-365E+395E-45 ⁱⁱ	365+395	24+21	(2.5x7.5)+(2.5x7.5)	6.0+10.3	279+550
JL3-395E-21	395	21	2.5x7.5	10.3	550
JL3-395E-42	395	42	5x7.5	20.6	550
JL3-400F-90	400	90	5x4	16	700
JL3-400H-100	400	100	1.9x1.9	14.5	4000
JL3-455F-90	455	90	5x4	16	700

ⁱ Minimum Power and Irradiance, Typical performance is 25-50% higher.

ⁱⁱ Other dual wavelength options can be built on request, for instance 365 nm and 385 nm in a JL3-365E+385E-42. Please contact Clearstone for details.

Product Details

Air cooled built in fan, removable air filter

Dimensions: 111x70x118mm³, (4.37x2.76x4.65in³) L x W x H, Weight: 950gm (2 lb 2 oz)

Dimensions with lens = 111x70x128mm³, (4.37x2.8x5.04in³) L x W x H

Mounting on four sides (M6 and M4 threads), Cable: 2 m (6 ft) integrated with LED head