

Clearstone UV LED Heads

JL2-400F-90 with $>1000 \text{ mW/cm}^2$

LED UV-Visible Light Source JL2 Series



JL2-365E-18 with lens Array



JL2-395E-24

Clearstone Technologies Inc.

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Clearstone

We create photonic solutions

Clearstone JL2 Series LED Head

LED Characteristics:

Instant Turn On, High Reliability, Safe Low voltage, Ozone Free, No Mercury, No infrared Heating.

Features JL2:

Available Wavelengths: 365, 385, 395-410, 455 nm, and mixed wavelength options

Compatible with [Lens Array](#) Technology

Mounting on three sides (1/4-20 and 10-32)

Uses one or two channels of [CF2000 Rev2](#)

Weight: 2 lb 2 oz (950gm)

Dimensions : 4.6x2.8x4.2in³

(117x70x118mm³) L x W x H

Dimensions with lens = 4.6x2.8x5.1in³

(117x70x128mm³) L x W x H

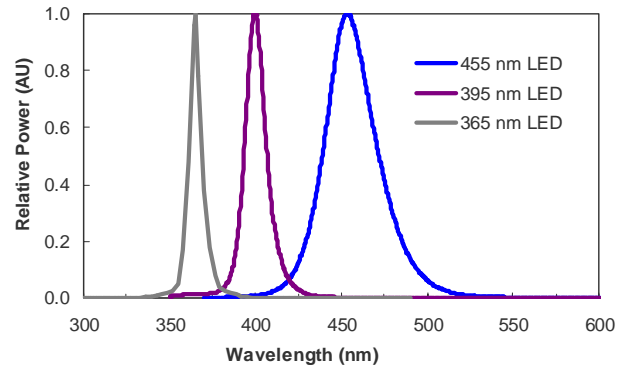
Cable: 6 ft (2m) integrated with LED head

Air cooled with built in fan

ambient air temp < 35C

RoHS compliant 

LED Spectrum



JL2-365E+395E-45 dual wavelength

Part Number	λ (nm)	LEDs (#)	CF2000Rev2 Channels (#)	Active Area	Active Area (cm ²)	Light Power ⁱ (Watts)	Irradiance ⁱ (mW/cm ²)
JL2-455B-18	455	18	1	5 cm dia.	20	6.9	345
JL2-455E-21	455	21	1	2.5cm x 7.5cm	19	8.1	426
JL2-455E-42	455	42	2	5cm x 7.5cm	38	16.1	424
JL2-400F-90	400	90	2	5 cm x 4 cm	20	20	1000
JL2-395B-18	395	18	1	5 cm dia.	20	9.9	495
JL2-395E-21	395	21	1	2.5cm x 7.5cm	19	11.6	550
JL2-395E-42	395	42	2	5cm x 7.5cm	38	23.1	550
JL2-365E+395E-45 ⁱⁱ	365 +395	24 +21	1 +1	2.5cm x 7.5cm +2.5cm x 7.5cm	19 +19	5.3 +6.3	279 +332
JL2-365E-06	365	6	1	2cm x 3 cm	6	1.3	217
JL2-365E-12	365	12	1	5 cm dia. ⁱⁱⁱ	20	2.6	130
JL2-365E-18	365	18	1	5 cm dia.	20	4	200
JL2-365E-21	365	21	1	2.5cm x 7.5cm	19	4.6	242
JL2-365E-42	365	42	2	5cm x 7.5cm	38	9.3	245

ⁱMinimum Power and Irradiance, Typical performance is significantly higher.

ⁱⁱOther dual wavelength options can be built on request. For instance 365 nm and 385 nm in a JL2-365E+385E-42. Please contact Clearstone for details.

ⁱⁱⁱThe 12 LED array has a circular pattern with an unpopulated region in the middle.



JL2-395B-18



JL2-365E-6

Specifications subject to change without notification

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