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# Condensed Light Compact Spot Light HLV3-14BL

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Stock #21-851 CLEARANCE [CONTACT US](#)

⊖ 1 ⊕ £229<sup>60</sup>

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## Product Downloads

### General

HLV3-14BL **Model Number:**

LED Illuminator **Type of Illumination:**

CCS **Manufacturer:**

Spot Light **Geometry:**

Constant **Illumination Mode:**

## Physical & Mechanical Properties

**Dimensions (mm):**  
14 x 28 x 20 (WxDxH), Tip diameter 8 mm

**Weight (g):**  
18

**Active Area (mm):**  
7

## Optical Properties

**Color:**  
Blue

**Wavelength (nm):**  
465

## Electrical

**Power Consumption (W):**  
0.9

**Maximum Input Current:**  
275mA

## Hardware & Interface Connectivity

**Power Supply:**  
Power Supply & Controller Required and Sold Separately.  
USA: [#73-491](#) & [#21-880](#)  
Europe: [#73-491](#) & [#21-880](#)  
Japan: [#89-513](#) & [#21-880](#)  
Korea: [#33-773](#) & [#21-880](#)  
China: [#73-491](#) & [#21-880](#)

## Regulatory Compliance

**RoHS 2015:**  
[Exempt](#)

**Reach 224:**  
[Contains SVHC\(s\)](#)

**Certificate of Conformance:**  
[View](#)

## Product Details

- Ideal for Alignment and Measurement Applications
- L-Type and Cylindrical Housing Options
- Available with 8mm or 12mm Tip

CCS LED Spot Light Illuminators provide high intensity output and uniform spot lighting in a lightweight and compact housing. Available in two configurations, the L-Type orients the LED at a right angle to save horizontal space in compact applications while the cylindrical type provides a higher output intensity in a longer overall housing. Both housing options are available with red, white, blue, green, and IR outputs. CCS LED Spot Light Illuminators are ideal for alignment of LCD's or circuit boards (PCB's), dimension measurement applications, or as a light source for spot illumination. 8mm diameter tip configurations integrate directly with [TECHSPEC® CompactTL™ Telecentric Lenses](#).

[3D-Printable Mount Files](#)



Spot Light Configuration

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Designed for use with the [Articulating Arm Mounting Systems](#), these 3D-printed mounts allow easy positioning of lights in brightfield or darkfield setups. The design is based on mounting illumination to 1/4-20" breadboards or into 80/20 extrusion systems, but can be adapted based on user needs. Mounts are available for ring, bar, line, and inline spot lights.



[Application Note](#)

[Illumination Mounts for Machine Vision Applications](#)

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[Video](#)

[Assembly of 3D Printed Mounts for Common Illumination Geometries](#)

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