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100mm High Power Ring Light Full Color

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Stock **#21-804** CONTACT US

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A$2,824.00

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Product Downloads

General

Model Number:
HPR2-100FC

Type of Illumination:
LED Illuminator

Note:
For RGB intensity control, use controller #19-970
|Requires #20-175, #20-171 or #19-970 for Power

Manufacturer:
CCS

Geometry:

Ring Light

Illumination Mode:

Constant

Physical & Mechanical Properties

Dimensions (mm):

OD: 116, ID: 66, Height 26.4

Weight (g):

168

Optical Properties

Color:

RGB

Wavelength:

Red: 622nm, Green: 525nm, Blue: 470nm

Electrical

Power Consumption (W):

11

Hardware & Interface Connectivity

Input Voltage (V):

24

Power Supply:

Power Supply Required and Sold Separately:
USA: **#73-491**
Europe: **#73-491**
Japan: **#89-513**
Korea: **#33-773**
China: **#73-491**

Regulatory Compliance

RoHS 2015:

Exempt

Reach 224:

Contains SVHC(s)

Certificate of Conformance:

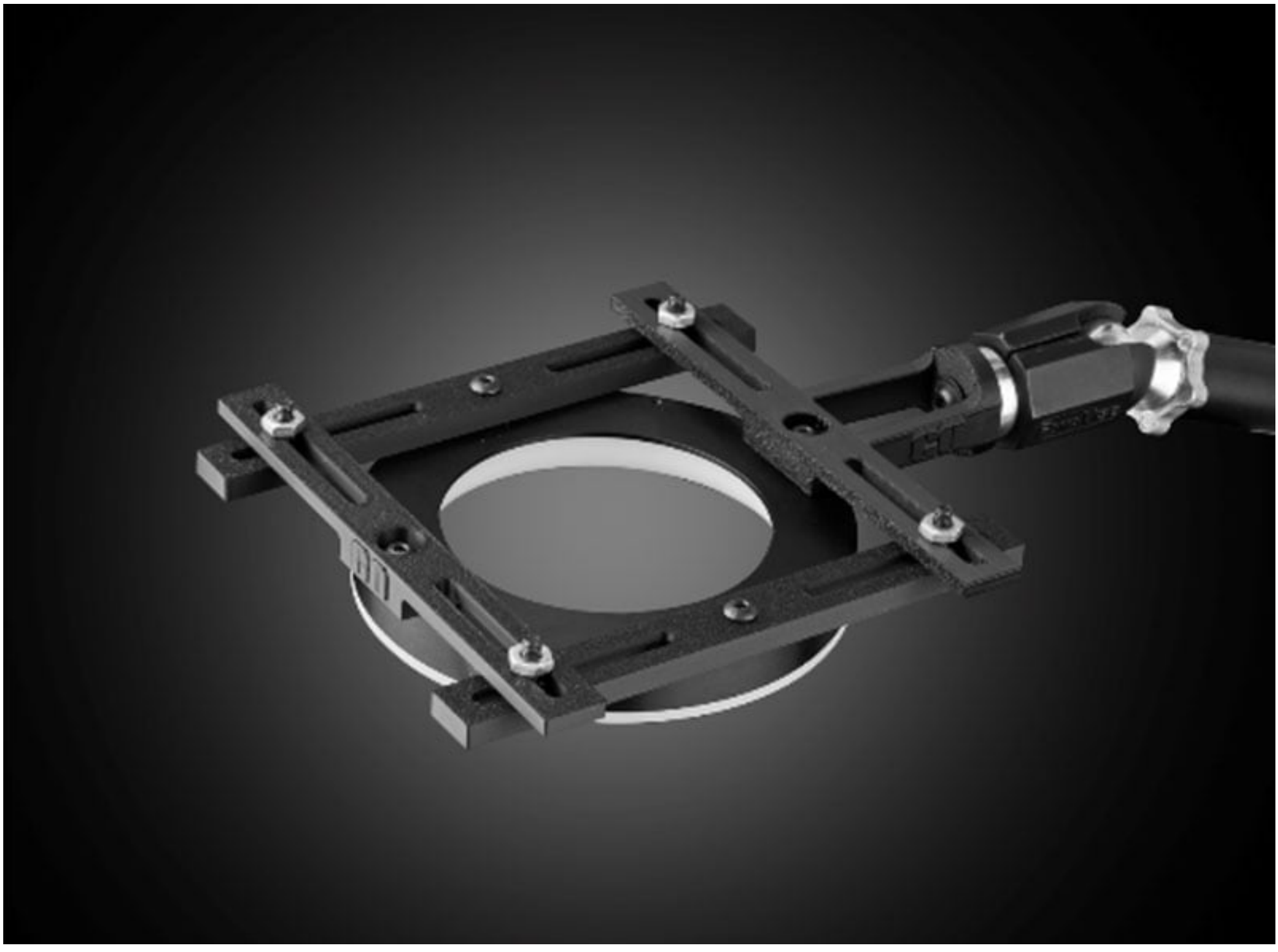
View

Product Details

- Uniform High Intensity Diffuse Light Source
- Switchable Red, Green, Blue, and White Channel Outputs
- Illumination for Text Recognition (OCR) and Color Examination Applications

CCS High Intensity Ring Lights feature a curved diffusion plate which provides uniform high intensity diffuse light. These lights can be used for a wide range of working distances as the unique design ensures little change in the uniform region as distance from the workpiece increases or decreases. The full color models feature independently controllable channels of red, green, and blue LED's while single color red, blue, and white models are also available. CCS High Intensity Ring Lights are ideal for a wide variety of detection applications such as text recognition (OCR) and color examination.

3D-Printable Mount Files



Ring 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 ¼-20" 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
Read

Video

Assembly of 3D Printed Mounts for Common Illumination Geometries
Watch

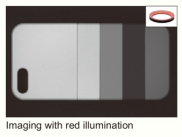
Technical Information

Lineup of full color (RGB) types NEW!

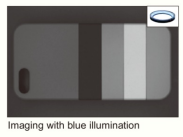
Applications: Examining the exterior by color for multi-colored workpieces, examining the exterior of food products, etc.

● Imaging with the HPR2-200FC (full color)

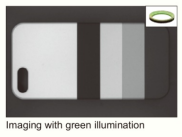
Workpiece: Smartphone case



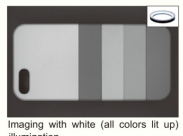
Imaging with red illumination



Imaging with blue illumination



Imaging with green illumination



Imaging with white (all colors lit up) illumination

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