

100mm High Power Ring Light Full Color (Recertified 05-P)

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Stock #21-804-RCD-05P **RECERTIFIED** 1 In Stock

1 C\$1,330^{.00}

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| Qty 1+ | C\$1,330.00 each |
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| Product Downloads | |
|-------------------|-------------------------------|
| | EO Spec Sheet |

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

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

Accessories

Note: Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

| | Title | Compare | Stock Number | Price | Buy |
|-----------------------|----------------------------------------------|---------|--------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| MORE+ | 24V Power Supply with Tinned Leads | | #66-855 | C\$133.00 Request Quote | 6 In Stock <input type="text" value="1"/>  |
| MORE+ | Advanced Digital Controller, 24V, 3 Channels | | #19-970 | C\$1,463.00 Request Quote | CONTACT US <input type="text" value="1"/>  |
| MORE+ | 24V Power Supply with FCB Cable | | #73-491 | C\$190.40 Request Quote | CONTACT US <input type="text" value="1"/>  |