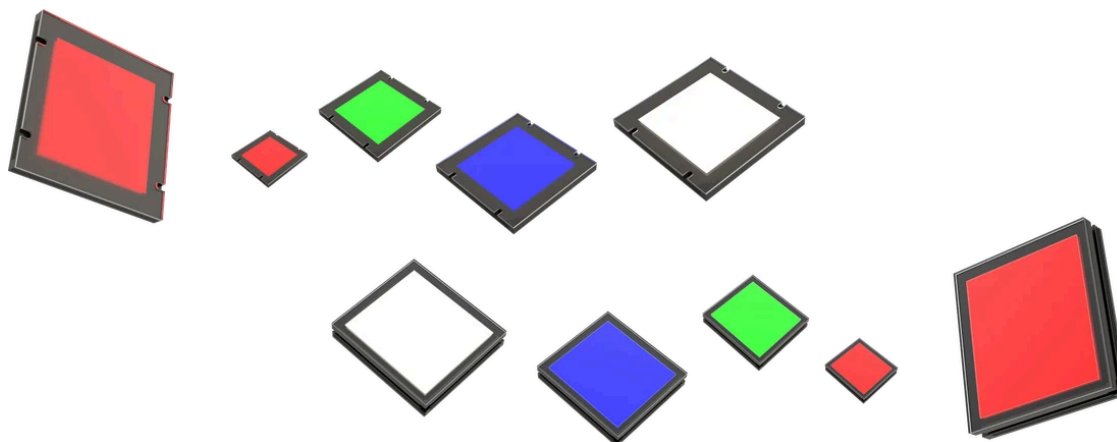


# Collimated Bottom Back Light (BCP series)

LS-BCP series · Backlights · 13 models



Collimated bottom-lit backlight (LED array + diffuser) that sharpens product edges and raises contrast; same footprints as the BC series, 19 mm thick.

## Features

- Flexible design for width, length, and overall dimensions.
- Effectively enhances product edge sharpness and contrast.
- High uniformity.

## Applications

- Metal cylinder contour inspection, glass bottle diameter inspection, ceramic column diameter inspection, screw thread contour inspection.
- Transparent packaging box detection
- Contour defects
- Burrs on gold-plated components
- Coil burr detection

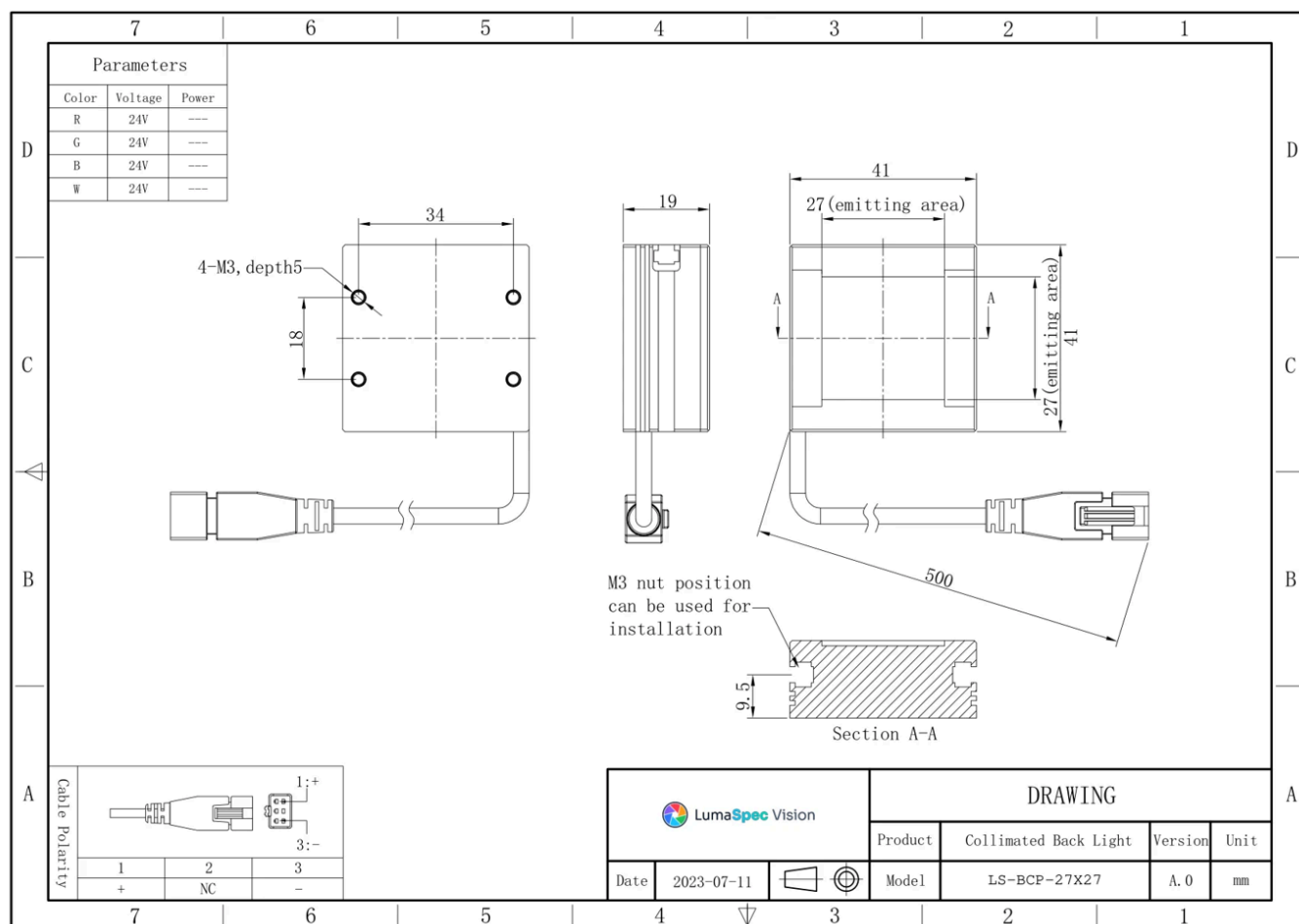
## Common specifications

|                   |                         |
|-------------------|-------------------------|
| Voltage (V)       | 24                      |
| Colours           | Red, Green, Blue, White |
| Thickness (mm)    | 19                      |
| Cable length (mm) | 500                     |

## Models

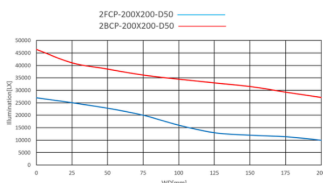
| Model                                              | Power R (W) | Power W/B/G (W) | Emitting area (mm) | Outer size L x W x H (mm) | Construction (setup diagram)   | Mounting                                          | Connector                        |
|----------------------------------------------------|-------------|-----------------|--------------------|---------------------------|--------------------------------|---------------------------------------------------|----------------------------------|
| LS-BCP-27X27<br>colours: Red, Green, Blue, White   | 2.5         | 2.5             | 27x27              | 41x41x19                  | LED / housing / diffuser plate | 4-M3 depth 5 on back; M3 nut slot in side profile | -                                |
| LS-BCP-43X35<br>colours: Red, Green, Blue, White   | 2.5         | 2.5             | 43x35              | 57x49x19                  | LED / housing / diffuser plate | 4-M3 depth 5 on back; M3 nut slot in side profile | -                                |
| LS-BCP-50X50<br>colours: Red, Green, Blue, White   | 4.3         | 6.5             | 50x50              | 64x64x19                  | LED / housing / diffuser plate | 4-M3 depth 5 on back; M3 nut slot in side profile | -                                |
| LS-BCP-63X60<br>colours: Red, Green, Blue, White   | 5.3         | 8               | 63x60              | 77x74x19                  | LED / housing / diffuser plate | 4-M3 depth 5 on back; M3 nut slot in side profile | -                                |
| LS-BCP-83X75<br>colours: Red, Green, Blue, White   | 6.3         | 9.5             | 83x75              | 97x89x19                  | LED / housing / diffuser plate | 4-M3 depth 5 on back; M3 nut slot in side profile | -                                |
| LS-BCP-100X100<br>colours: Red, Green, Blue, White | 6.6         | 10              | 100x100            | 114x114x19                | LED / housing / diffuser plate | 4-M3 depth 5 on back; M3 nut slot in side profile | -                                |
| LS-BCP-200X50<br>colours: Red, Green, Blue, White  | 16.5        | 25              | 200x50             | 214x64x19                 | LED / housing / diffuser plate | 4-M3 depth 5 on back; M3 nut slot in side profile | -                                |
| LS-BCP-120X120<br>colours: Red, Green, Blue, White | -           | -               | 120x120            | 134x134x19                | -                              | 4 x M3, 5 mm deep, on 127 x 80 mm (back)          | 3-pin: 1 +, 2 not connected, 3 - |
| LS-BCP-140X105<br>colours: Red, Green, Blue, White | 9.9         | 15              | 140x105            | 154x119x19                | LED / housing / diffuser plate | 4-M3 depth 5 on back; M3 nut slot in side profile | -                                |
| LS-BCP-160X120<br>colours: Red, Green, Blue, White | 13.2        | 20              | 160x120            | 174x134x19                | LED / housing / diffuser plate | 4-M3 depth 5 on back; M3 nut slot in side profile | -                                |
| LS-BCP-200X150<br>colours: Red, Green, Blue, White | 19.8        | 30              | 200x150            | 214x164x19                | LED / housing / diffuser plate | 4-M3 depth 5 on back; M3 nut slot in side profile | -                                |
| LS-BCP-224X170<br>colours: Red, Green, Blue, White | 16.5        | 25              | 224x170            | 238x184x19                | LED / housing / diffuser plate | 4-M3 depth 5 on back; M3 nut slot in side profile | -                                |
| LS-BCP-211X200<br>colours: Red, Green, Blue, White | 21.8        | 33              | 211x200            | 225x214x19                | LED / housing / diffuser plate | 4-M3 depth 5 on back; M3 nut slot in side profile | -                                |

## Dimensions

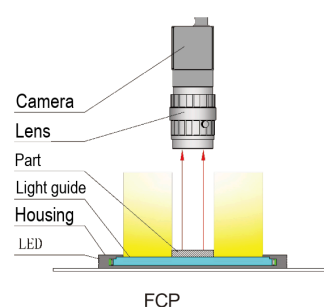
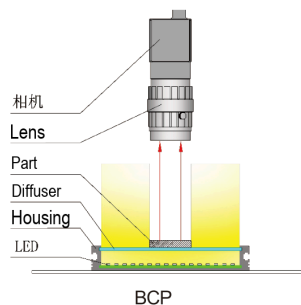
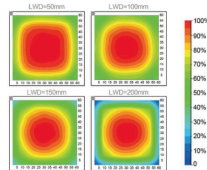


## Performance

### Illumination Property Diagram



### Uniformity (Relative Irradiance)



## Product views

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