



RGBW Back Light Series

ELECTRICAL:

Input Voltage: 24VDC (28VDC Maximum)

Input Current per 120mmx120mm section:

-470 83.3mA typical ; **-530** 83.3mA typical

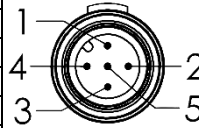
-660 83.3mA typical ; **-WHI** 83.3mA typical

All Colors on 333mA typical

Connector: Quick Connect, 5-pin Euro / Micro

Wiring:

Pin #	Wire Color	Function
1	Brown	24VDC RTN = Red
2	White	24VDC RTN = Green
3	Blue	24VDC RTN = Blue
4	Black	24VDC RTN = White
5	Grey or Grn/Y	+24VDC Common



ENVIRONMENTAL:

Operating Temperature: 0 to 50°C

Relative Humidity: 5 to 85% non-condensing

IP Rating: IP50

MECHANICAL:

Dimensions: <https://spectrumillumination.com/bl-rgbw>

Standard sizes are available from 120mm x 120mm to 240mm x 480mm. Custom sizes are available in 40mm x 60mm increments

ILLUMINATION:

Light Source: LED – 4 Colors

Quantity LED's: 36 per 120mm²

Light Emitting Pattern: See dimension drawing

LED Life: 50,000+ hours

DIFFUSERS:

White, Opaque – Standard

White, Opaque for **Conveyor** – Option /WDC

Clear Cover – Option /CC

Standard Diffuser – Option /SD

Thin Film Diffuser – Option /TFD

Polarizer – Option /P

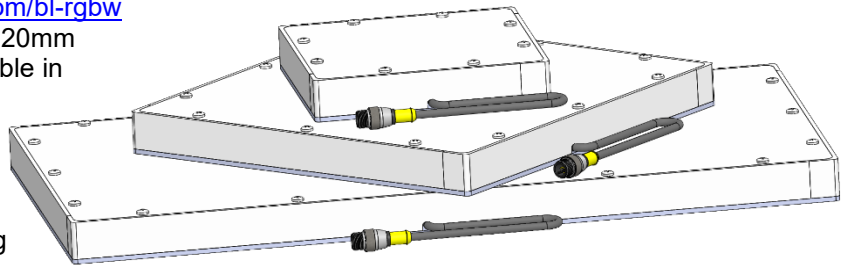
Light Collimating Film – Option /LCF

Distortion Diffuser (Patterned Area Lighting) – Option /DD

PART NUMBER DESIGNATION:

BL120480-RGBW for 120mm x 480mm back light with Red, Green, Blue, and White LEDs

Color Temp 4000K



Light includes 4-meter cable - cable also available in 8, 15, and 30 meter lengths