
Cromatix CR600 LED Colour Floodlights Datasheet and Operating Guide



The Cromatix LED Colour Floodlight range represents the latest in high power LED design. By utilising sophisticated built-in electronic control the fitting can be safely operated in the harshest of environments without risk of overheating or life reduction.

The utilisation of patented silicon-on-ceramic technology gives the LED array the lowest thermal transfer available, thus giving the user maximum output, maximum life and lowest running costs.

Each light comes with a class-leading two year warranty.

Technical Specifications

- 1 High power LED floodlight
- 2 Dimensions 140mm x 140mm x 210mm
- 3 Available in white, warm white, green, red, blue & RGB
- 4 Upto 1850 Lumens available
- 5 Beam Angle 25 degrees
- 6 LED life 70,000 hours min
- 7 Anodised aluminium body, powder coated white
- 8 UV stabilised polycarbonate lens
- 9 Total Max Power: 28VA - 56VA
- 10 Equipment Class: Class 2
- 11 Operating Environment: IP68 as an option
- 12 Operating Temperature -30C to 50C
- 13 Protection Circuitry Built-In
- 14 Extreme environment (EE) version available for adverse operating environments.
- 15 Operating Voltage 86 - 264v (monochrome versions) 15v DC (RGB).
- 16 Totally customisable for special requirements

Protection and Diagnostic Circuit

The built-in supervisory circuit ensures that the LED is not exposed to situations that might compromise its life or reliability. The circuit constantly monitors operating current, temperature and ambient light and in the event of an illegal operation, ie attempted operation in full sunlight the LED is shut down to a safe operating level. The light will automatically revert to normal operation when the environment returns to normal.

Extreme Environment (EE) Version

For long term operation in extreme environments, a fully encapsulated version is available for all variants. This ensures that even under extreme temperature changes, moisture or condensation cannot enter the light fitting.

Part Number Identification (add suffix -EE for outdoor operation)

Part Number	Colour	Colour Temperature	Colour Resolution Index (CRI)	Typical Lumen Output	Wattage Consumed
CR600WW	Warm White	3050°K	78	900Lm	24W
CR600R	Red	-	-	450Lm	15W
CR600G	Green	-	-	650Lm	18W
CR600B	Blue	-	-	390Lm	14W
CR600WWH	Warm White High O	3050°K	68	1850Lm	57W
CR600TW	True White	3050°K	85	1060Lm	24W
CR600RGB	RGB Colour Change	-	-	800Lm	22W

Warranty

24 months unconditional from date of purchase. For product support, please contact info@ledlightingproducts.co.uk

Product Disposal

When you eventually decide to update this product or it reaches the end of its life, do not dispose of it with your normal household waste or at a local amenity tip.

You should either take it to a recycling centre or return it to the retailer from which you bought it where they will arrange for it to be recycled.