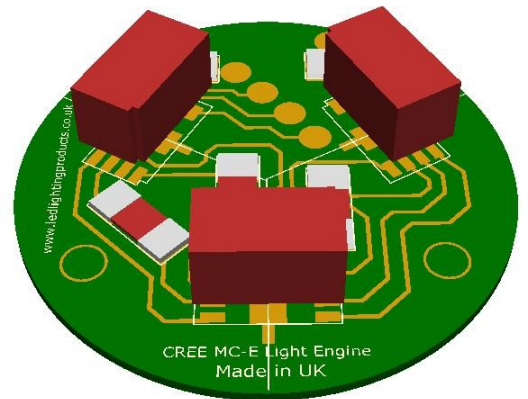# Product Manual

RGBW LED Light Engine

12V 15W

700mA/350mA

15W

Powered by CREE™ LEDs

Introduction

The RGBW light engine is an engineering component that offers a convenient means of generating vivid RGBW light in a compact form. When coupled with a heatsink and appropriate driver the light engine is an ideal source for installing powerful LED lighting into new or existing luminaires. Using secondary optics the beam angle can be collimated into a medium or narrow beam.

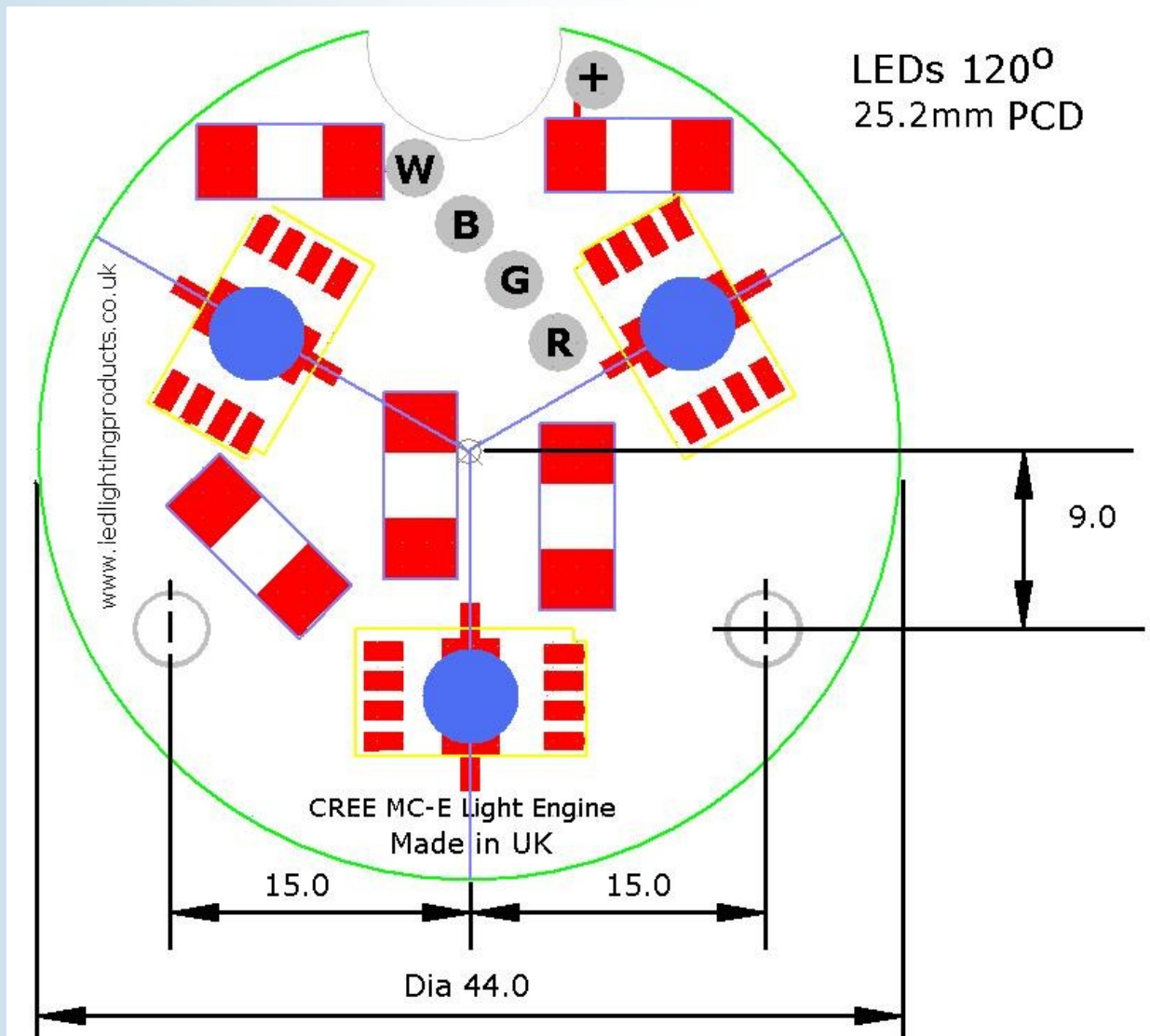**IMPORTANT: Please note that this component requires a heat sink**

Key Features

- Built with class-leading CREE RGBW LEDs
- Available with cool or warm white LEDs
- Industry-leading thermal transfer Tj-Ths of 4.8C/W
- Hand-solderable pads
- Common Anode connection
- Available in a convenient 12v constant voltage package
- Optional 700mA/350mA version available
- Designed and manufactured in the UK
- 110 Degree beam angle

Electrical Characteristics (Vin=12v)

Red	350mA
Green	350mA
Blue	350mA
White	600mA

Outline Drawing

LEDs 120°
25.2mm PCD

W

B

G

R

+

9.0

CREE MC-E Light Engine
Made in UK

15.0

15.0

Dia 44.0

www.ledlightingproducts.co.uk

Ordering Guide

Part Number	Description
MCE-RGBCW-CV	12v Operation Cool White (6000k)
MCE-RGBWW-CV	12v Operation Warm White (3700k)
MCE-RGBCW-CC	Constant-Current Operation Cool White (6000k)
MCE-RGBWW-CC	Constant-Current Warm White (3700k)

Warranty

LED Lighting Products Ltd warrants that the product it manufactures and sells will be free from defects in materials and workmanship for a period of 1 year from the date of despatch. If the device proves defective within the respective period, LED Lighting will repair or replace the defective hardware at its sole discretion. If the failure is due to an operator error the user accepts to pay for any charge relating to the diagnosis of the hardware, faulty parts or shipping from our factory.

LED Lighting Products Ltd makes no warranty of any kind, express or implied, including without limitation the implied warranties of merchantability and fitness for a particular purpose. In no event shall LED Lighting Products Ltd be liable for indirect, special or consequential damages.