LUMATEK
PROFESSIONAL LIGHTING

680W GH TOP LIGHT LED (RED + BLUE)

The 680W GH Top Light (Red + Blue) is a very high performance, innovative, slim, compact, powerful and efficient LED for Greenhouse use. This unit was designed for high PPFD target flowering crops, using only the highest grade components allowing you to achieve your goals and correct DLI throughout the year.

3.4 µmol/J

2285 µmol/s total output

Red + Blue

3.4 µmol/J EFFICACY

2285 µmol/s PPF

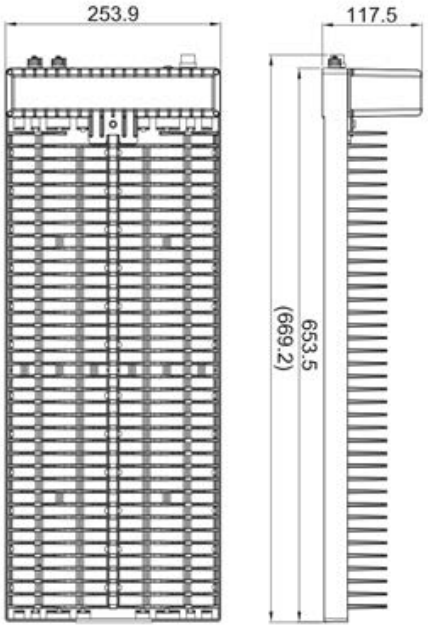
DESIGNED & ENGINEERED BY LUMATEK IN THE UNITED KINGDOM

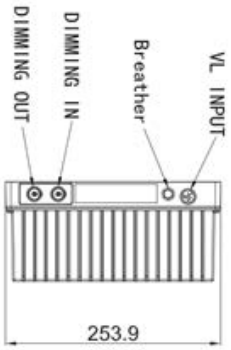
3 YEAR WARRANTY

CE · RoHS · WEEE · EMI SUPPRESSION & EMC CERTIFIED · LVD CERTIFIED · Plug & Play · IP65 · CONTROL TECHNOLOGY

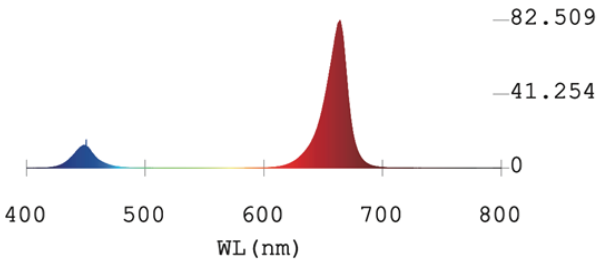
THE 680W GH TOP LIGHT (RED + BLUE)

PRODUCT CODE: LUMLED016
EFFICACY: 3.4 µmol/J
PPF: 2285 µmol/s
INPUT VOLTAGE: 200-440V, 50-60HZ
INPUT POWER: 680W (±2%) @380V
INPUT CURRENT : 1.8A @ 380V 100%
APPLICATION: GREENHOUSE
WATERPROOF & DUSTPROOF: IP65
LIFETIME (LED BARS): +50 000 HRS
LIGHT DISTRIBUTION: 100°-120°
LIGHT SOURCE: 450nm Blue Diodes Osram GD 2.14;
660nm Red Diodes Osram SQ4.24
QUANTITY OF DIODES TOTAL: BLUE 80; RED 480
DIODES POWER PROPORTION: BLUE 19%; RED 81%
DIODES EFFICIENCY: Blue Osram GD 2.14 2.7 µmol/J;
Red Osram SQ4.24 3.85 µmol/J
DIMMABLE: Yes with 0-10V Dimmer
EXTERNAL CONTROL: With Lumatek Digital Panel Plus 2.0
or Universal Controller 0-10V
WEIGHT: 8.8 Kg
DIMENSIONS: 653.5 x253.9 x 117.5mm
SPECTRUM: Blue 13,4%; Green 0,13%; Red 86,2%; FAR-RED 0,25%
THERMAL MANAGEMENT: Passive Cooling
POWER FACTOR: 0.97
MAX. AMBIENT TEMPERATURE (@ 680W POWER): 40°C
BTU: 2320 BTUs/h
WARRANTY: 3 YEARS
CERTIFICATIONS:
CE: EN 60598-1:2015/EN 60598-2-1/EN 62031:2008
+A1:2013+A2:2015/EN 62493:2015/EN 62471:2008





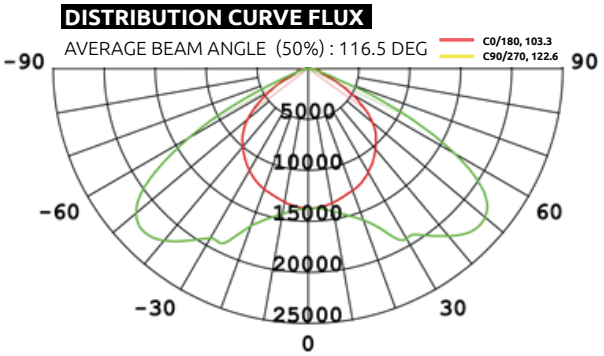
SQD SPECTRUM GRAPH



ITEMS INCLUDED IN THE BOX:

- **1 x Lumatek 680W GH Top Light LED (Red + Blue) Fixture**
- **1 x Power Cable with Twist-Lock**
- **1 x Hanging Set**
- **1 x Manual**

DISTRIBUTION CURVE FLUX



EXTERNAL CONTROL

The Lumatek GH Top Light LED fixtures can also be externally controlled with a Lumatek digital lighting controller (Digital Panel Plus 2.0) featuring light timing, automated dimming (1% increments), temperature safety control, Sunrise & Sunset Mode for up to 100 fixtures per controller. Or with any Universal Controller with 0-10V Output.

For sales support:
orders@lumatek-lighting.com

General contact:
info@lumatek-lighting.com

For technical support:
techsupport@lumatek-lighting.com

FOR MORE INFORMATION ON LUMATEK PRODUCTS
VISIT WWW.LUMATEK-LIGHTING.COM