

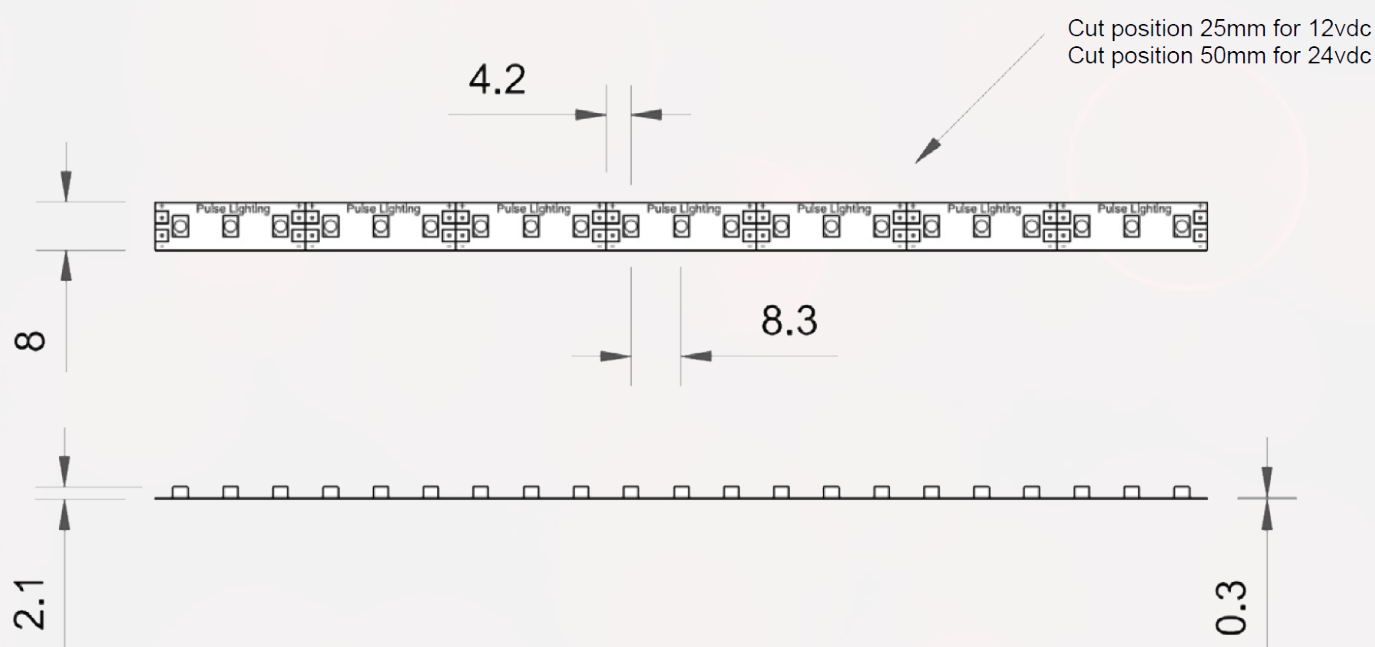
### Products included in this manual

LED-HD-FL-1000-12V-3K	LED-HD-FL-1000-24V-3K
LED-HD-FL-1000-12V-4K	LED-HD-FL-1000-24V-4K
LED-HD-FL-1000-12V-5K	LED-HD-FL-1000-24V-5K
LED-HD-FL-1000-12V-6K	LED-HD-FL-1000-24V-6K
LED-HD-FL-1000-12V-R	LED-HD-FL-1000-24V-R
LED-HD-FL-1000-12V-G	LED-HD-FL-1000-24V-G
LED-HD-FL-1000-12V-B	LED-HD-FL-1000-24V-B

Compiled: 01/09/2016



### Dimensions



Note: All dimensions are in millimetres. Tolerance is  $\pm 0.25\text{mm}$ . Drawing is not to scale.

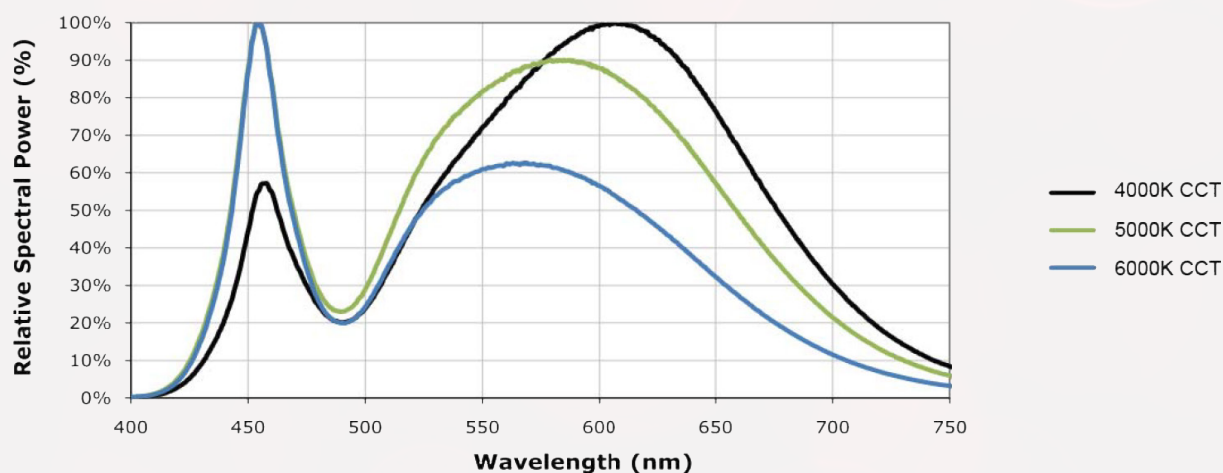
#### Drawing for internal use only

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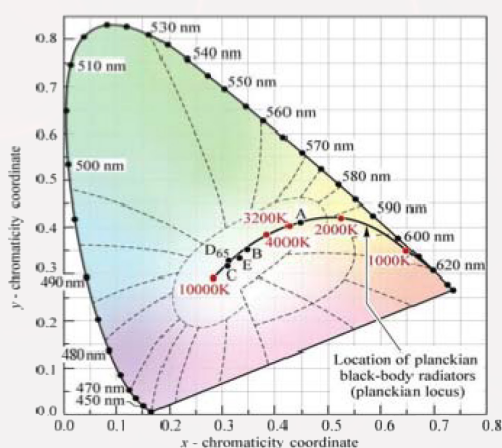
Specifications may be subject to change without any prior notice.  
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# Optical Data

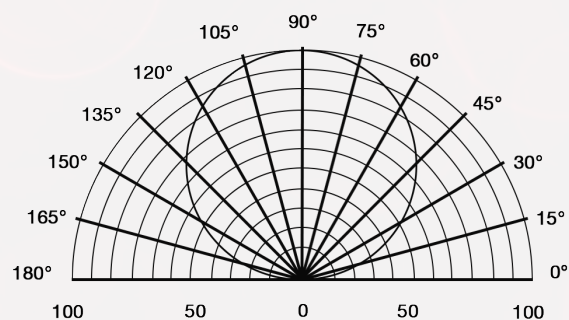
Electro-Optical Characteristics (ratings @ Ta = 250C)				
Parameter	Minimum	Typical	Maximum	Unit
Luminous Flux	-	270	280	Lm
Viewing Angle	-	120	-	Degrees (°)
Colour Rendition Index	-	85+	-	CRI



All ratings are representative of a 450mm strip  
The LED used on this product come from the same bin, allowing for closer colour matching



RADIATION DIAGRAM



LED Light Distribution

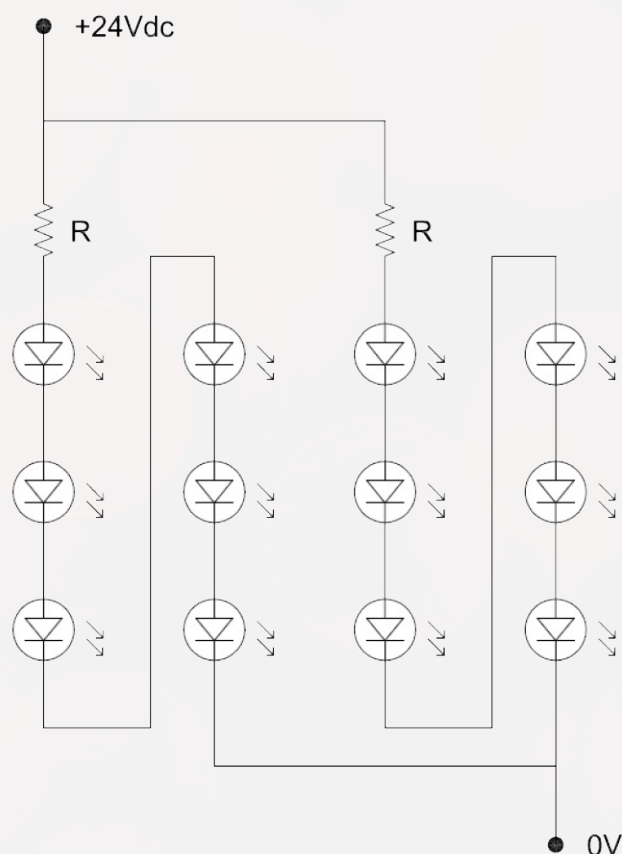
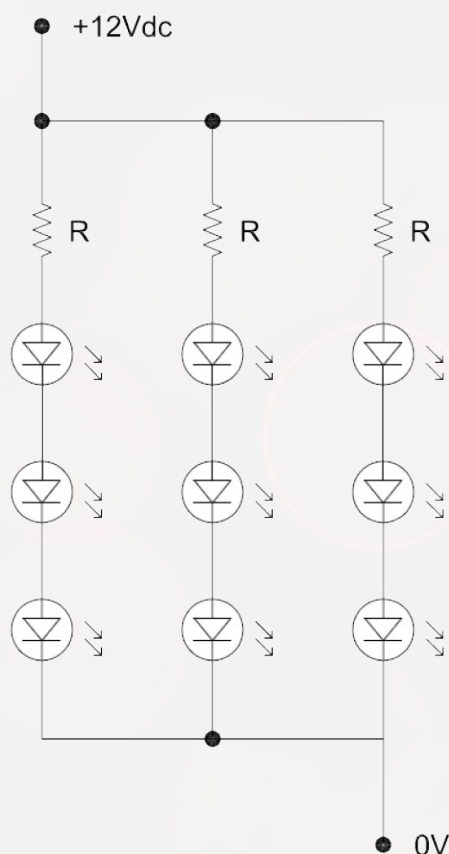
## Electrical Ratings

Parameter	Value (Maximum Rating)	Unit
Power Dissipation / Module	4.25	W
Current (12 Vdc)	360	mA
Current (24 Vdc)	180	mA
Operating Temperature	-5 to +40	°C

\* All ratings are representative of a 450mm strip

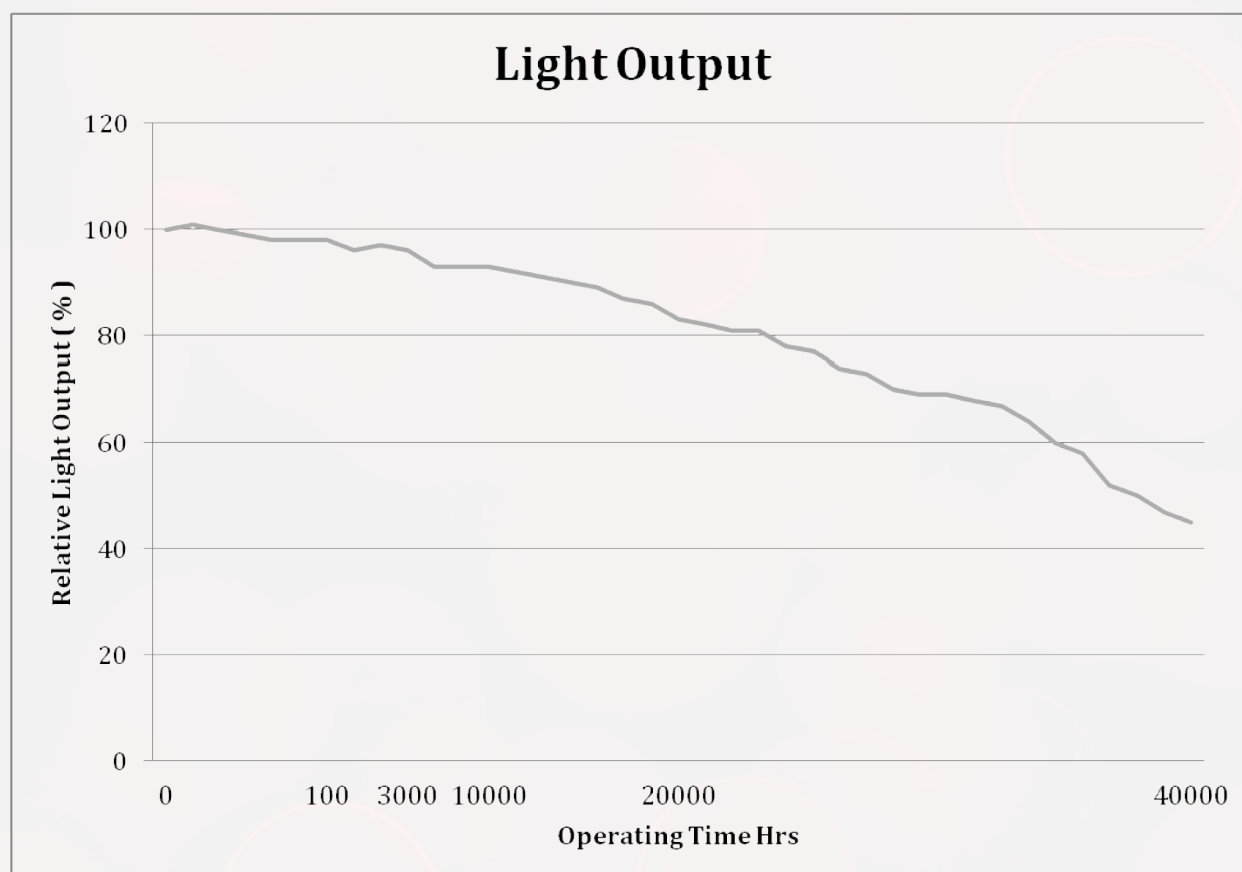
### Current Control

LED chips are regulated by an onboard current limiting resistor



## Life Time Data

Room Temperature Life Test ( $I_f=30\text{mA}$ ,  $T_a=25^\circ\text{C}$ )



1. The above  $I_v$  degradation curve is a statistical average based on an experiment ran over 1000 hours at room temperature. Operation life of up to 40,000 hours is then calculated from these results. This information is to be used as a reference only and is not guaranteed.

2. Several other die types were grouped together in the graph due to their similarity in wafer technology and  $I_v$  degradation characteristics.

## Flame Resistance

Test Item	Test Condition	Specification
Flame Resistance	UL94	V0



## Warranty

The following product codes are covered by a **FIVE** year warranty:

LED-HD-FL-1000-12V-3K	LED-HD-FL-1000-24V-3K
LED-HD-FL-1000-12V-4K	LED-HD-FL-1000-24V-4K
LED-HD-FL-1000-12V-5K	LED-HD-FL-1000-24V-5K
LED-HD-FL-1000-12V-6K	LED-HD-FL-1000-24V-6K
LED-HD-FL-1000-12V-R	LED-HD-FL-1000-24V-R
LED-HD-FL-1000-12V-G	LED-HD-FL-1000-24V-G
LED-HD-FL-1000-12V-B	LED-HD-FL-1000-24V-B

### **Warranty Coverage**

Pulse Lighting warrants these products and parts against defects in materials and workmanship from the date of purchase, for the length stated above, so long as it is used under normal conditions. During this period, Pulse Lighting will repair or replace defective products or parts without charge. Pulse Lighting's obligations under this warranty are limited to a "return to base" replacement of product or a "replacement part" determined to be defective. Should neither a "return to base" or "replacement part" not be possible, we will provide a refund for this product.

### **Warranty does not cover**

Defective materials or workmanship after the warranty period expires.

Special, indirect, incidental or consequential damages or loss owing to failure of the product.

Damage caused by:

- Accident, abuse, misuse, misapplication, natural disaster
- The repair or attempted repair by anyone not authorized by Pulse Lighting
- Use of an improper power supply
- Inappropriate use, not in accordance with instruction

# EC DECLARATION OF CONFORMITY

### Pulse Lighting Part Numbers:

LED-HD-FL-1000-12V-3K	LED-HD-FL-1000-12V-4K	LED-HD-FL-1000-12V-5K	LED-HD-FL-1000-12V-6K	LED-HD-FL-1000-12V-R
LED-HD-FL-1000-12V-G	LED-HD-FL-1000-12V-B	LED-HD-FL-1000-24V-3K	LED-HD-FL-1000-24V-4K	LED-HD-FL-1000-24V-5K
LED-HD-FL-1000-24V-6K	LED-HD-FL-1000-24V-R	LED-HD-FL-1000-24V-G	LED-HD-FL-1000-12V-B	

### Product Description:

### High Density Flexible LED Strip

We declare that, unless otherwise stated, the product aforementioned has been designed and manufactured and tested in accordance with the following EEC directives, safety and EMC standards listed below.

EN 55022:2006

Information technology equipment. Radio disturbance characteristics.

EN 61000-3-2:2000+A2:2005

Electromagnetic Compatibility

EN 61000-3-3:1995+A1:2001+A2:2005

Electromagnetic Compatibility

EN 55024:1998+A1:2001+A2:2003

Information technology equipment. Immunity characteristics

IEC 6100-4-2:1995+A1:1998

Information technology equipment. Immunity characteristics

Technical File Compiled by:

**Pulse Lighting Ltd**

We further certify that all components and test data are traceable back through the supply chain to the original source manufactured.

Signed:



Date:

01/09/2016

Name:

Paul Acton

Position:

Managing Director



Registered in England and Wales No: 05300806 Vat No: 860 6781 04

PULSE LIGHTING LTD, 39A HIGHMERES RD, TROON INDUSTRIAL AREA, THURMASTON, LEICESTER, LE4 9LZ  
TEL: 0116 2761700 WWW.PULSELIGHTING.CO.UK INFO@PULSELIGHTING.CO.UK