

Colour Change Flexible LED User Data



Product Code:
QC-HP-RGBW

RGBW
(White 3000k-6000k)

4 Channel

< 1,440lm/M

19.2W/M

24V CV

SMD5050
60LED/M

IP20
Ingress Protection

5000 x 12 x 2.15mm
(L) x (W) x (D)

100mm
Cutting Points

-10°C / +40°C
Operating Temp

Cooling System:
Convection



Product Code:
TF-HP-RGB

RGB

3 Channel

< 1,080lm/M

14.4W/M

24V CV

SMD5050
60LED/M

IP20
Ingress Protection

5000 x 12 x 2.15mm
(L) x (W) x (D)

100mm
Cutting Points

-10°C / +40°C
Operating Temp

Cooling System:
Convection



Product Code:
QC-HP-RGBA

RGBA
(Amber 592nm)

4 Channel

< 1,440lm at source

19.2W/M

24V CV

SMD5050
60LED/M

IP20
Ingress Protection

5000 x 12 x 2.15mm
(L) x (W) x (D)

100mm
Cutting Points

-10°C / +40°C
Operating Temp

Cooling System:
Convection



Tel: +44 (0) 116 278 8078
Email: sales@abstractavr.com
Website: www.abstractavr.com

User Data - Specifications
Date: 01/11/2016
Page 1/4

Colour Change Flexible LED User Data

More Options



IP67 Silicon Sleeve



Wider Range of LED Available To Order

Product Code Suffix:
XX-HP-XX-IP

5000 x 14 x 4mm
(L) x (W) x (D)

Compatible DMX Drivers



Product Code:
QD-75

Powers
15M

LED Outputs
2

Max per Output
-

DMX Channels
1 - 8



Product Code:
QD-150

Powers
30M

LED Outputs
2

Max per Output
15M

DMX Channels
1 - 8



Product Code:
QD-320

Powers
60M

LED Outputs
4

Max per Output
15M

DMX Channels
1 - 16



Product Code:
QD-640

Powers
120M

LED Outputs
8

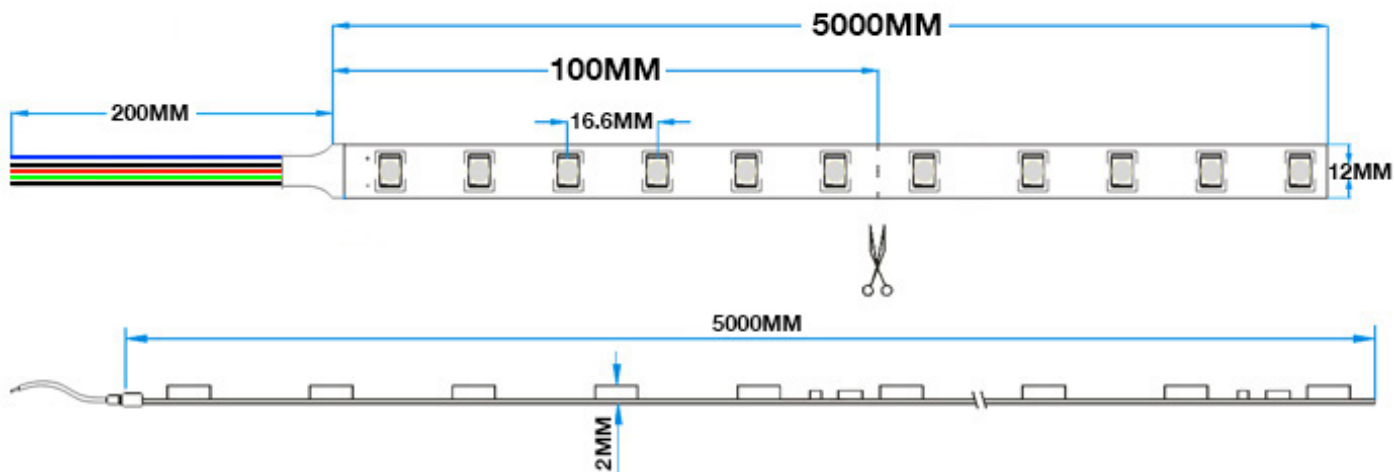
Max per Output
15M

DMX Channels
1 - 32

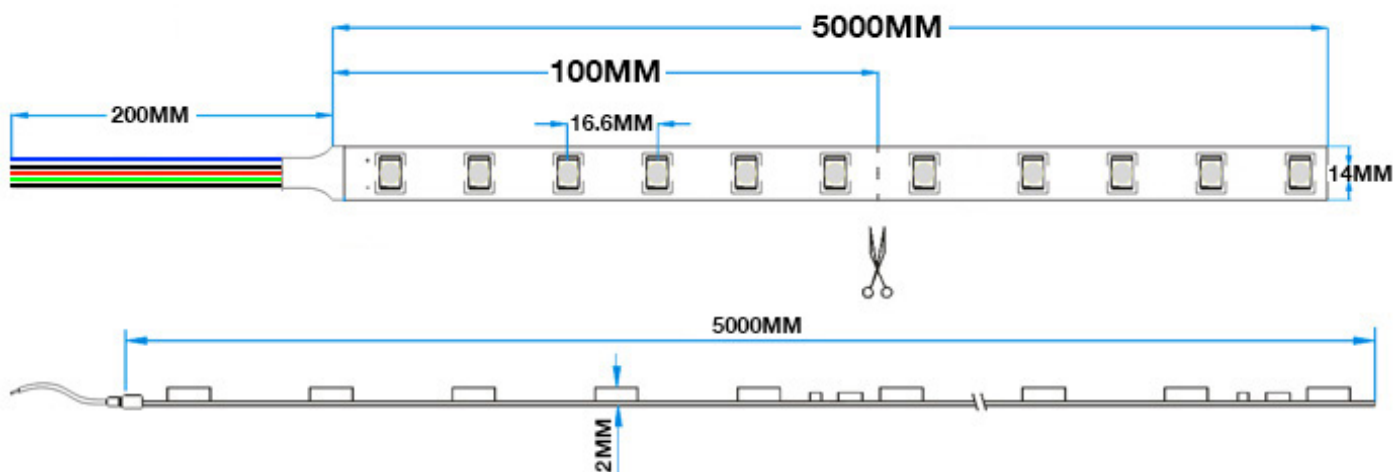


Colour Change Flexible LED User Data

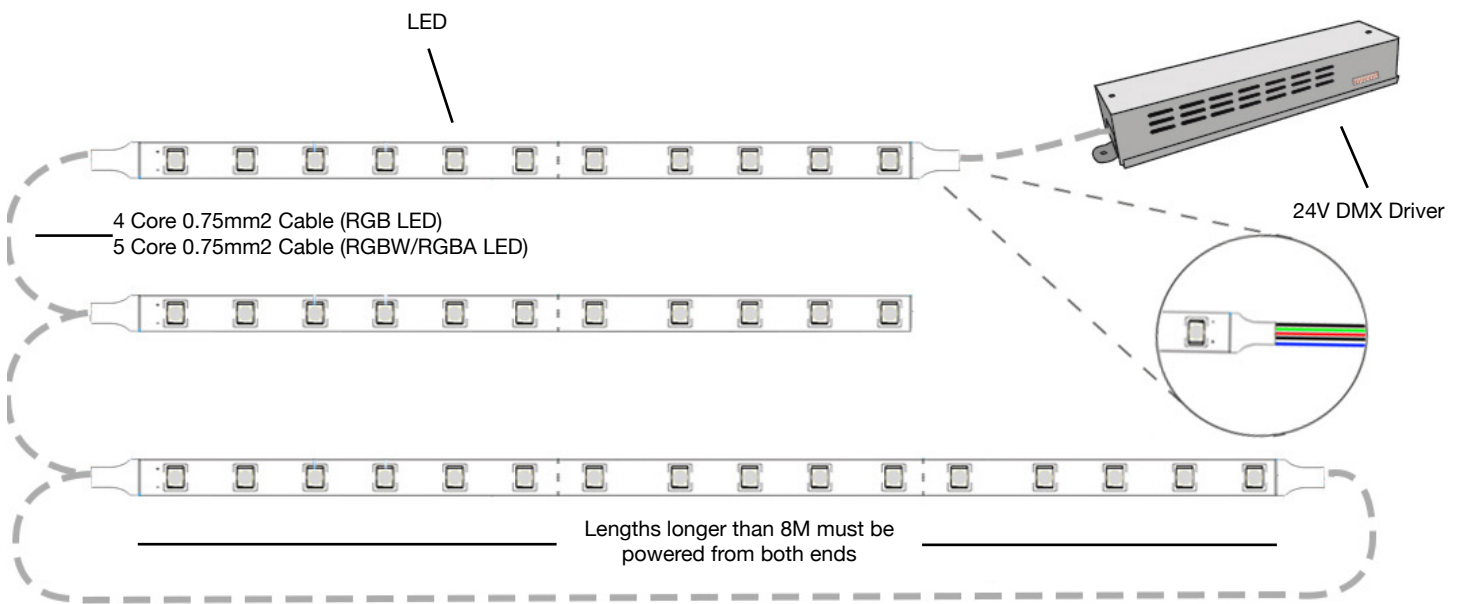
IP20 Dimensions



IP67 Dimensions



Colour Change Flexible LED System Wiring



WARNING! Example diagram only. Please read this section carefully before any installation work is carried out. All work should be carried out as per our instructions. Failure to do so may void any warranty. These instructions are to be used in addition to the Driver manuals.

IMPORTANT

All work involving electrical components should be carried out by a competent qualified electrical professional in accordance to IET BS 7671 and any local by-laws.

Installation instructions are for the installation of this product with the manufacturer's compatible recommended DMX drivers.

All mains power **MUST** be turned off before starting installation or maintenance; and **MUST** remain off for the duration of installation or maintenance.

Equipment may become hot to the touch when used for periods of time. Ensure equipment is off and cooled before carrying out maintenance.

The total combined length of colour change flexible LED connected to any single 'LED' output **MUST NOT EXCEED 15M**.

Any continuous lengths of LED exceeding 8M **MUST** be powered from both ends, as per wiring diagram.

TESTING

You should test each length of LED in isolation before continuing installation.

1. Disconnect the Driver from mains power.
2. Connect length of LED to the 'LED' socket of the Driver in isolation.
3. Power up the Driver.
4. Press 'ENT' continuously to select RED, GREEN, BLUE and WHITE.
5. Repeat steps 1 to 4, for each length of LED.

If each length lights up and displays each colour you can continue with your installation.

If a length does not light up or display each colour please contact us for help. Do not continue your installation.

INSTALLATION

Ensure you have carried out the testing before installation.

1. Cut or solder LED to desired length using the designated cutting and soldering points.
2. Disconnect the Driver from mains power.
3. Connect LED to LED socket, ensuring that the colours are connected to the correct poles.
4. Additional lengths can be connected to the same LED output in parallel, ensuring you do not exceed a total length of 15M on any single LED output.
5. Repeat steps 1 - 4 for each length of LED.

Wiring		
Pin	Function	Wire
1 -	White - / Amber -	White
2 -	Blue -	Blue
3 -	Red -	Red
4 -	Green -	Green
5 -	24V	Black



Tel: +44 (0) 116 278 8078
 Email: sales@abstractavr.com
 Website: www.abstractavr.com

User Data - Wiring
 Date: 01/11/2016
 Page 4/4