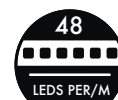


# Digital RGBD IP20 Kit

(F10-RGBD-12-48-20-KIT)



## Key Features:

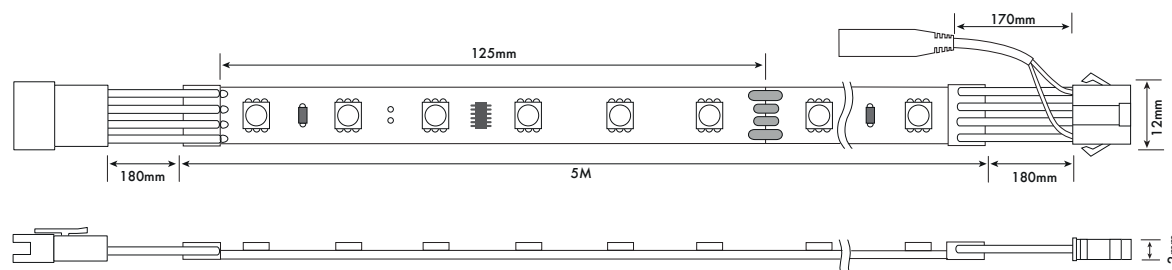
- Dynamic colour chasing modes
- Cascading connectors
- High quality UV stable polyurethane coating enables non discolouration and is scratch resistant for longer life
- High grade thick 3M adhesive backing for easy installation
- 50,000 hours working life
- Multiple applications for commercial and residential environments
- Precise LED binning section enables 100% consistent colour temperature from batch to batch

## DIGITAL RGBD IP20 KIT SPECIFICATION

| Part Code                | F10-RGBD-12-48       | FUNCTIONS                |                                      |
|--------------------------|----------------------|--------------------------|--------------------------------------|
| Voltage                  | 12VDC                | Dynamic Mode             | 99                                   |
| Power Consumption        | 10W                  | Dynamic Speed Levels     | 10                                   |
| LED Qty                  | 48 per mtr           | Static Colour            | 29 Colours                           |
| Addressing Range         | 3 LEDs Addressable   | Static Colour Brightness | 10 Levels                            |
| Maximum Cascading Length | 50M                  |                          |                                      |
| Cuttable Length          | 125mm                |                          |                                      |
| Colour                   | RGB                  |                          |                                      |
| IP                       | IP20                 |                          |                                      |
| Back Adhesive            | VHB 3M adhesive tape |                          |                                      |
| Working Temperature      | -30°C ~ +70°C        |                          |                                      |
| Dimensions               | 5000 x 15.4 x 6.3mm  |                          |                                      |
|                          |                      | POWER & LED CONNECTORS   |                                      |
|                          |                      | Power Connector          | 5.5mm DC female jack plug            |
|                          |                      | Strip Connector          | 4-Pin SM type connector on both ends |

## Mechanical Diagrams

### Digital RGBD IP20 LED Flexible Tape



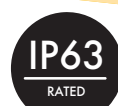
This digital LED Strip can be made to any length up to 5 meters as a special order.

PowerLed (UK) Ltd  
Orion House  
Calleva Park  
Aldermaston  
Berkshire  
RG7 8SN

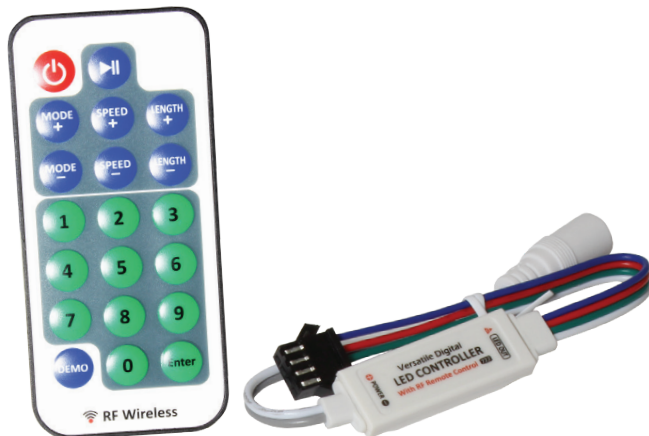
Contact:  
Tel: 0118 9703856  
enquiries@powerled.uk.com  
www.powerled.uk.com



# Digital RGBD IP20 Kit - RGBD-99C



## Professional RF Wireless RGB Digital Controller



### Key Features:

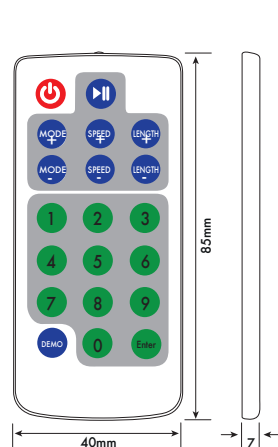
- Remote digital LED controller
- 99 dynamic modes
- 29 static colour options
- Ultra slim design
- Demo mode
- Speed adjustment
- Static colour adjustment
- Easy pairing
- Easy RGB programming
- 15 metre transmission distance

### DIGITAL RGBD IP20 KIT SPECIFICATION

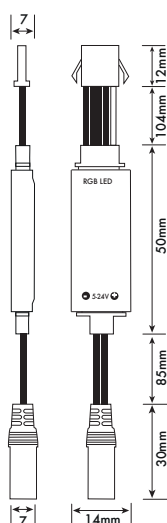
|                        |                                    |                      |                         |
|------------------------|------------------------------------|----------------------|-------------------------|
| Part Code              | RGBD-99C                           | FUNCTIONS            |                         |
| Voltage                | 5 ~ 24VDC                          | Dynamic Mode         | 99                      |
| Rated Output Current   | 4A + 3x2.5A                        | Dynamic Speed Levels | 10                      |
| Remote Type            | RF wireless card remote controller | Static Colour        | 29 Colours              |
| Operation Frequency    | 433.92Mhz                          | LED DIMMER UNIT      |                         |
| Remote Control Battery | CR2025 3V Cell Battery             | Power Connector      | AWG16 Red / Black Cable |
| Transmission Power     | <10dBm                             | LED Connector        | AWG18 Flat Cable        |
| Transmission Distance  | >15 meters                         | Weight               | 11g                     |
| IP                     | IP63                               | Dimensions           | 50 x 14 x 7mm           |
| Working Temperature    | -30 ~ 80°C                         | Cable Length         | 85/104mm                |
| Weight                 | 16g                                |                      |                         |
| Dimensions             | 85x 40 x 7mm                       |                      |                         |

### Mechanical Diagrams

Professional RF Wireless RGB Digital Controller (RGBD-99C)



LED Dimmer Unit



PowerLed (UK) Ltd  
Orion House  
Calleva Park  
Aldermaston  
Berkshire  
RG7 8SN

Contact:  
Tel: 0118 9703856  
enquiries@powerled.uk.com  
www.powerled.uk.com



# Digital RGBD IP20 Kit - PCV50W Series

## 50W Constant Voltage Power Supplies



Case: 8043DH ~ 184 x 61 x 32 mm

### Key Features:

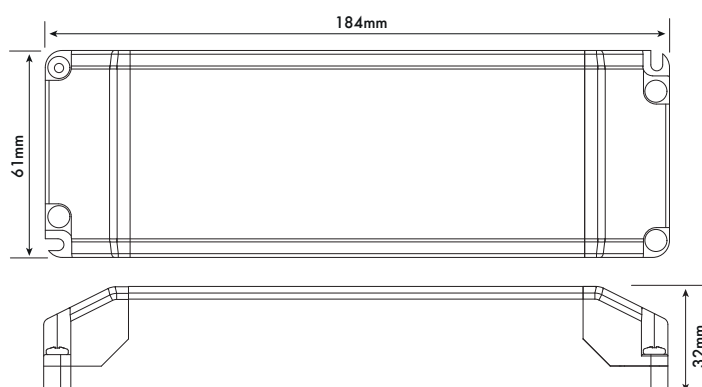
- Captive terminal screws for ease
- Screw lock cable strain relief
- Over load, short circuit and thermal protection
- SELV equivalent
- Class II product
- Suitable for indoor lighting applications

### PCV50W SERIES SPECIFICATION

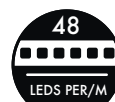
|                   |                                                               |
|-------------------|---------------------------------------------------------------|
| Part Code         | PCV1250                                                       |
| Inrush            | <15A/230V<6.5A/115V                                           |
| Voltage           | 100V ~ 240VAC                                                 |
| Frequency         | 47 ~ 63 Hz                                                    |
| Power Factor      | 0.95                                                          |
| Voltage           | 12V                                                           |
| Current           | 4.2A                                                          |
| Power             | 50W                                                           |
| R&N               | 300mV                                                         |
| Efficiency (TYP.) | 82%                                                           |
| Over Voltage      | Auto recovery                                                 |
| Over Temperature  | Thermal                                                       |
| Set Up Time       | 2s max                                                        |
| Temperature       | Operating: -20 ~ +50 °C; Storage: -20 ~ +70 °C                |
| Safety Standard   | Designed to meet EN61347-1, EN61347-2-13                      |
| EMI Standard      | Meets Emissions to EN55015, EN61547, EN61000-3-2, EN61000-3-3 |
| Lifetime          | 50K hrs full load 25 °C                                       |



### Mechanical Diagrams



# Digital RGBD IP20 Kit - Cables

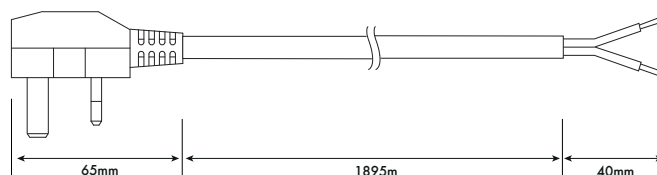


MC-5400



Mechanical Diagrams

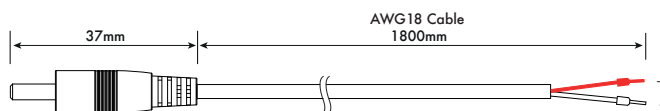
Dimensions MC-5400



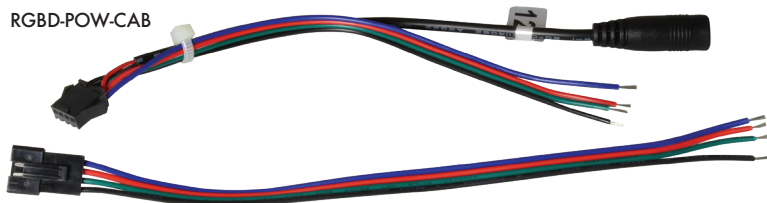
DM-2118



Dimensions DM-2118



RGBD-POW-CAB



Each 5M LED tape comes with power connection cables.

Where the LED is cut to smaller lengths additional cables can be ordered.

Mechanical Diagrams

