

# Digital RGBD IP65 Kit (F10-RGBD-12-48-65-KIT)



- 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

48  
LEDs/m

65



## Specification

Part Code	<b>F10-RGBD-12-48</b>
Voltage	12VDC
Power Consumption	11.2W
LED Qty	48 per mtr
Addressing Range	3 LEDs Addressable
Maximum Cascading Length	50M
Colour	RGB
IP	IP65
IP Finish	Glue filled silicon tube
Back Adhesive	VHB 3M adhesive tape
Working Temperature	-30°C ~ +70°C
Dimensions	5000 x 15.4 x 6.3mm

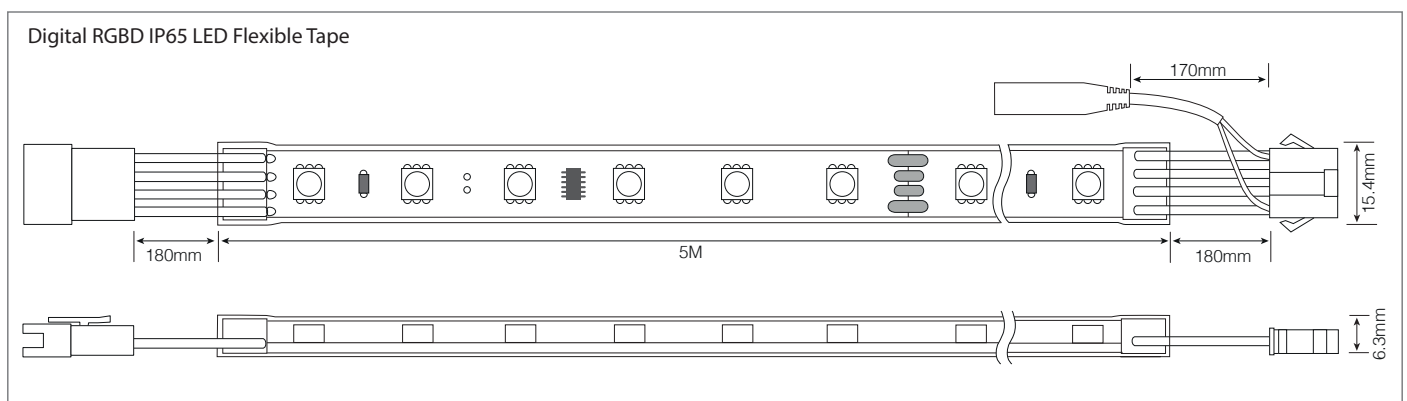
## FUNCTIONS

Dynamic Mode	99
Dynamic Speed Levels	10
Static Colour	29 Colours
Static Colour Brightness	10 Levels

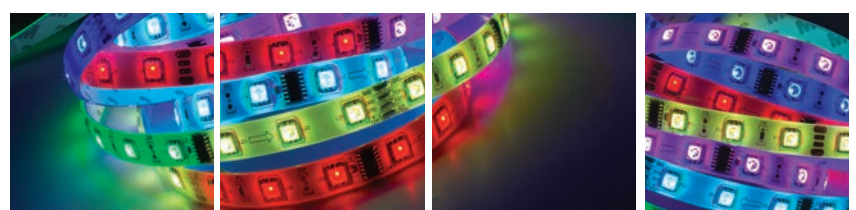
## POWER & LED CONNECTORS

Power Connector	5.5mm DC female jack 10
Strip Connector	4-Pin SM type connector on both ends

## Mechanical Diagrams

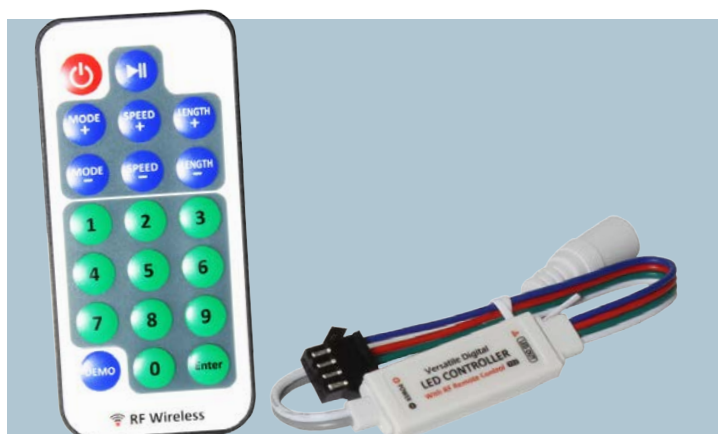


This digital LED Strip can be made to any length up to 5 meters as a special order.



# Digital RGBD IP65 Kit - RGBD-99C

## Professional RF Wireless RGB Digital Controller



- 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



### Specification

Model Number	<b>RGBD-99C</b>
Voltage	5 ~ 24VDC
Rated Output Current	4A + 3x2.5A
Remote Type	RF wireless card remote controller
Operation Frequency	433.92Mhz
Remote Control Battery	CR2025 3V Cell Battery
Transmission Power	<10dBm
Transmission Distance	>15 meters
IP	IP63
Working Temperature	-30 ~ 80°C
Weight	16g
Dimensions	85x 40 x 7mm

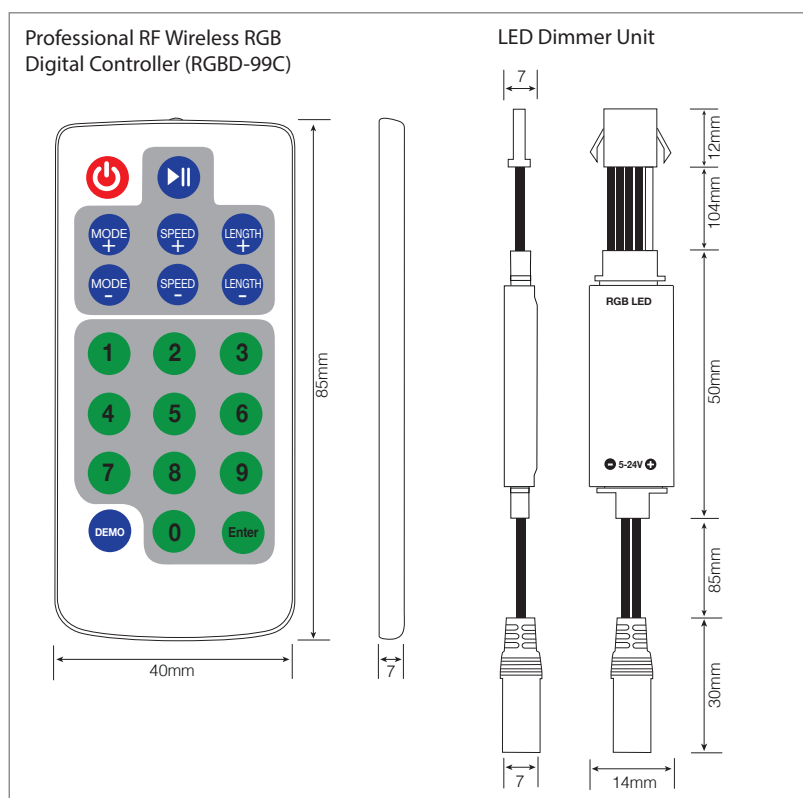
### FUNCTIONS

Dynamic Mode	99
Dynamic Speed Levels	10
Static Colour	29 Colours

### LED DIMMER UNIT

Power Connector	AWG16 Red / Black Cable
LED Connector	AWG18 Flat Cable
Weight	11g
Dimensions	50 x 14 x 7mm
Cable Length	85/104mm

### Mechanical Diagrams



# Digital RGBD IP65 Kit - PCV50W Series

## 50W Constant Voltage Power Supplies



- Captive terminal screws for ease
- Screw lock cable strain relief
- Over load, short circuit and thermal protection
- SELV equivalent
- Class II product
- Safe no load operation
- Suitable for indoor lighting applications

Case: 8043DH ~ 184 x 61 x 32 mm

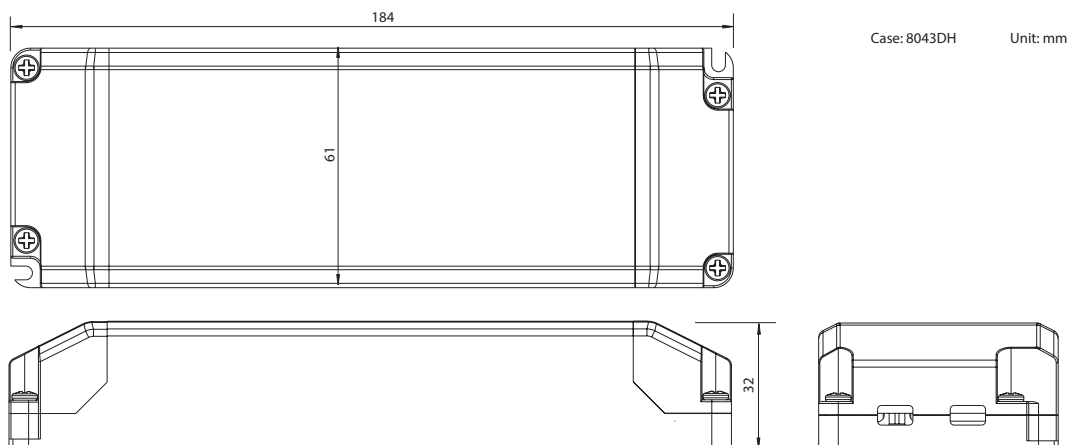


### Specification

<b>INPUT</b>	<b>Inrush</b>	<15A/230V<6.5A/115V
	<b>Voltage</b>	100V ~ 240VAC
	<b>Frequency</b>	47 ~ 63 Hz
	<b>Power Factor</b>	0.95
<b>OUTPUT</b>	<b>MODEL No.</b>	<b>PCV1250</b>
	<b>Voltage</b>	12V
	<b>Current</b>	4.2A
	<b>Power</b>	50W
	<b>R&amp;N</b>	300mV
	<b>Efficiency (TYP.)</b>	82%
<b>PROTECTIONS</b>	<b>Over Voltage</b>	Auto recovery
	<b>Over Temperature</b>	Thermal
<b>ELEC. CHAR</b>	<b>Set Up Time</b>	2s max
<b>ENVIRONMENT</b>	<b>Temperature</b>	Operating: -20~+50°C; Storage: -20~+70°C
<b>SAFETY</b>	<b>Safety Standard</b>	Designed to meet EN61347-1, EN61347-2-13
<b>EMC</b>	<b>EMI Standard</b>	Meets Emissions to EN55015, EN61547, EN61000-3-2, EN61000-3-3
<b>OTHERS</b>	<b>Lifetime</b>	50K hrs full load 25°C
	<b>Case</b>	8043DH

### Mechanical Diagrams

#### Dimensions Case 8043DH



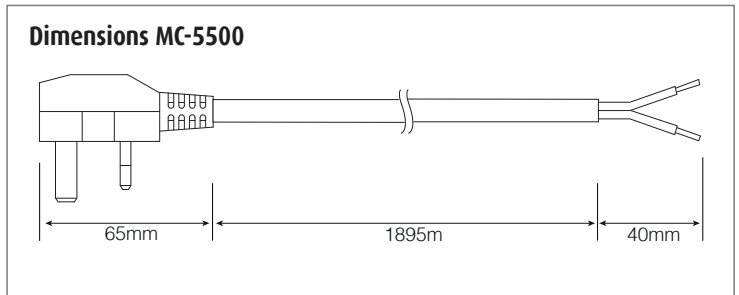
# Digital RGBD IP65 Kit - Cables



## MC-5500



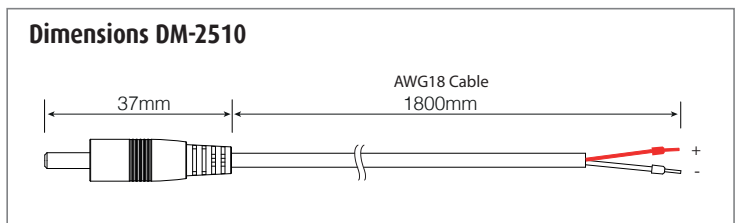
### Mechanical Diagram



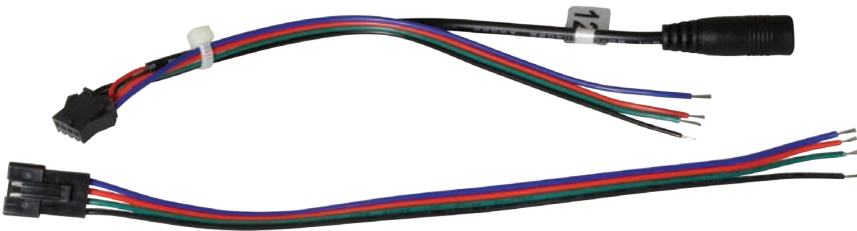
## DM-2510



### Mechanical Diagram



## 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 Diagram

