

SYN-IRDBL



Key Features

Input voltage (Min/Max): 12V–24V

Colour Control Type: Single colour

Max Output Current Per Channel: 0.05A

Mounting Type: Recessed

Ingress Protection (IP): 20

Warranty: 3 Years

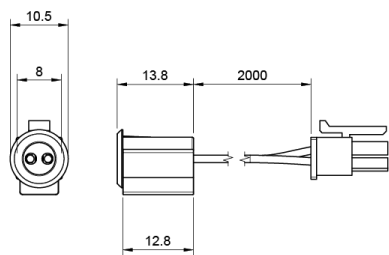
12V-
24V

IP20

Mechanical Data

Body Colour	Black
Cut Out Diameter	8 mm
Product Weight	34 g
Product Dimensions	14x10x8 mm

Dimensions



Input

Input Current Max ·	0.05 A
Input Current Type	DC
Input Voltage	12 -24 V
Input Current	0.05 A

Output

No · of Control Channels	1
Output Current Type	DC
Output Current Max · @12V	0.05 A
Output Current Max · @24V	0.05 A
Output Voltage	12 - 24 V
Output Current	0.05 A

Control

Colour Control Type	Single colour
Control Distance (barrier-free)	0.08 m
Control Input Resolution	16 Bit
Control Signal Input	PWM
Default PWM Frequency	10000 Hz
Dimming Greyscale	1000
IC Type	SOP8
Interface Type	uart
No · of Programmes	1
Sensor Type	Dual funtion IR Sensor(single)
Detection Distance	0.05 - 0.08 m
LED Switching Load	60 W

Electrical Data

Constant Voltage / Constant Current	CV
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Protection

Electrical Safety Class	II
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Environment

Application Environment	Interior
Body Material	Plastic
Interior or Exterior Use	Interior
Mounting Type	Recessed
Ingress Protection (IP)	IP20

Efficiency

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No-Load Power Consumption	0.2 W
Rated Life	500000 Hours
Standby Power Max ·	0.001 W
Standby Power Typ ·	0.0005
Startup Time	1 Secs