

SYN-IRS



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

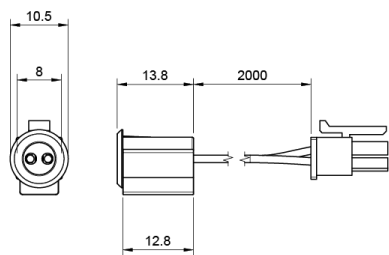
12V-24V

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 function IR Sensor(single)
Detection Distance	0.05 - 0.08 m
LED Switching Load	60 W
Manual Override	Yes

Electrical Data

Constant Voltage / Constant Current	CV
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Protection

Electrical Safety Class	II
Reverse Polarity Protection	Yes

Environment

Application Environment	Interior
Body Material	Plastic
Interior or Exterior Use	Interior
Mounting Type	Recessed

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Ultra LEDs have taken reasonable care to ensure that the information in this datasheet is accurate at time of publication however it should be noted that all specifications are subject to tolerance. Descriptive specifications such as colour are subjective. Ultra LEDs reserve the right to update specifications without notice. The information in the datasheet may only be relied on by customers of Ultra LEDs in accordance with applicable terms and conditions

Ingress Protection (IP)	IP20
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Efficiency

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

Packaging & Shipping

Fixings Included	Yes
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