

# RSS Multi-candela Strobes

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Invented for life



- ▶ UL Regulated voltage range of 16 V to 33 V using filtered DC or unfiltered FWR voltage
- ▶ Strobes produce 1 flash per second over the regulated voltage range
- ▶ ADA/NFPA/ANSI compliant
- ▶ Zero inrush above peak
- ▶ Fast installation with In and Out screw terminals using 18 AWG to 12 AWG (ISO 0.75 mm<sup>2</sup> to 4 mm<sup>2</sup>) diameter wire

These Wheelock multi-candela strobes provide intensities of 15 cd, 30 cd, 75 cd, 95 cd (ceiling-mount), and 110 cd (wall-mount). They can be synchronized when used with the DSM-12/24-R Synchronization Module or a compatible control panel. Synchronized strobes can eliminate possible restrictions on the number of strobes in the field of view. When synchronized, these strobes comply with ADA requirements concerning photosensitive epilepsy and meet the requirements of NFPA 72.

## Certifications and approvals

Cooper Wheelock, Inc. holds these Listings and Approvals:

Region	Certification	
USA	UL	UUKC: Signaling Appliances and Equipment for the Hearing Impaired (UL1971)
	CSFM	see our website

## Installation/configuration notes

### Compatible Products

The following products are compatible with the RSS Strobes:

Category	Product ID	Product Description	
Control Panels	D7024 <sup>1</sup>	Addressable FACP	
	D7024	Conventional FACP	
	D8024 <sup>2</sup>	Analog FACP	
	D9124 <sup>2</sup>	Addressable FACP	
	D10024A <sup>2</sup>	Analog FACP	
	FPD-7024 <sup>1</sup>	Addressable FACP	
	FPD-7024	Conventional FACP	
	FPA-1000	Analog Addressable FACPs	
	Modules	SM-12/24-R	Single synchronization module (red)
		DSM-12/24-R	Dual synchronization module (red)

<sup>1</sup> When used with a D7039 Multiplex Expansion Module, the FPD-7024 and D7024 become addressable fire alarm control panels (FACPs).

<sup>2</sup> For synchronization, use the DSM-12/24-R Synchronization Module with these control panels.

### Mounting Considerations

These strobe appliances use an integral strobe mounting plate for mounting on the indicated back boxes for the indicated applications:

	Conduit Applications	Surface Mounted	Flush Mounted
Single-gang			•
Double-gang		•	•
Four-inch square			•
100-mm European			•
BB-R	•	•	
SHBB-R		•	

All models have an attractive cover plate for a clean, finished appearance.

### Wiring



#### Notice

Do not use these strobe units in coded or pulsed signaling circuits.

The input terminals accept wires with diameters between 18 AWG and 12 AWG (ISO 0.75 mm<sup>2</sup> and 4 mm<sup>2</sup>).

### Parts included

Quant.	Component
1	Strobe
1	Hardware pack
1	Literature pack

### Technical specifications

#### Electrical

##### 24MCC models

Current Draw at 16 VDC to 33 VDC:	15 cd: 65 mA RMS maximum 30 cd: 105 mA RMS maximum 75 cd: 189 mA RMS maximum 95 cd: 249 mA RMS maximum
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Current Draw at 16 FWR to 33 FWR:	15 cd: 110 mA RMS maximum 30 cd: 170 mA RMS maximum 75 cd: 280 mA RMS maximum 95 cd: 375 mA RMS maximum
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##### 24MCW models

Current Draw at 16 VDC to 33 VDC:	15 cd: 60 mA RMS maximum 30 cd: 92 mA RMS maximum 75 cd: 165 mA RMS maximum 110 cd: 220 mA RMS maximum
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Current Draw at 16 FWR to 33 FWR:	15 cd: 102 mA RMS maximum 30 cd: 155 mA RMS maximum
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75 cd: 253 mA RMS maximum 110 cd: 347 mA RMS maximum
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Voltage (Input):	24 VDC nominal; 16 VDC or FWR to 33 VDC or FWR
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#### Environmental

Relative Humidity:	Up to 95%, non-condensing
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Temperature (Operating):	+32°F to +120°F (0°C to +49°C)
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#### Mechanical

Dimensions (H x W x D):	4.75 in. x 4.75 in. x 2.5 in. (12.1 cm x 12.1 cm x 6.4 cm)
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Material:	Molded plastic enclosure incorporating a Xenon flashtube and Lexan lens.
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#### Trademarks

All hardware and software product names used in this document are likely to be registered trademarks and must be treated accordingly.

### Ordering information

#### RSS-24MCC-FR Ceiling-mount Strobe (square, red)

Square red ceiling-mount strobe providing intensities of 15 cd, 30 cd, 75 cd, or 95 cd  
Order number **RSS-24MCC-FR**

#### RSS-24MCC-FW Ceiling-mount Strobe (square, white)

Square white ceiling-mount strobe providing intensities of 15 cd, 30 cd, 75 cd, or 95 cd  
Order number **RSS-24MCC-FW**

#### RSS-24MCW-FR Wall-mount Strobe (square, red)

Square red wall-mount strobe providing intensities of 15 cd, 30 cd, 75 cd, or 110 cd  
Order number **RSS-24MCW-FR**

#### RSS-24MCW-FW Wall-mount Strobe (square, white)

Square white wall-mount strobe providing intensities of 15 cd, 30 cd, 75 cd, or 110 cd  
Order number **RSS-24MCW-FW**

#### Accessories

##### BB-R Steel Back Box

Black, 10.2 cm (4 in.) square, 3.8 cm (1.5 in.) deep  
Order number **BB-R**

##### DBB-R Steel Back Box (red)

8.6 cm (3.375 in.) square, 5.6 cm (2.1875 in.) deep  
Order number **DBB-R**

##### DSM-12/24-R Dual Synchronization Module (red)

A 12/24 VDC Cooper Wheelock module that synchronizes notification appliances on a single Class A or two Class B circuits.  
Order number **DSM-12/24-R**

**NATP-R Trim Plate (red)**

13.3 cm (5.25 in.) square, 2.1 cm (0.8125 in.) thick.

**Not Available.**

Order number **NATP-R**

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**NATP-W Trim Plate (white)**

13.3 cm (5.25 in.) square, 2.1 cm (0.8125 in.) thick

Order number **NATP-W**

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**RP-R Retrofit Plate (red)**

20.3 cm (8 in.) high, 14.9 cm (5.875 in.) wide.

**Not Available.**

Order number **RP-R**

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**SBB-R Surface-mount Back Box (red)**

14 cm (5.5 in.) x 14.2 cm (5.6 in.) x 9.1 cm (3.6 in.)

Order number **SBB-R**

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**SBB-W Surface-mount Back Box (white)**

14 cm (5.5 in.) x 14.2 cm (5.6 in.) x 9.1 cm (3.6 in.)

Order number **SBB-W**

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**SFP-R Semi-flush Plate (red)**

15.2 cm (6 in.) square by 0.8 cm (0.3125 in.) thick

Order number **SFP-R**

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**SHBB-R Shallow Surface Back Box (red)**

12.7 cm (5 in.) square by 4 cm (1.56 in.) deep

Order number **SHBB-R**

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