S8-24MCC-FW Multi-candela Speaker Strobe (white)

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BOSCH
Invented for life

- 24 VDC with a wide UL regulated voltage range using filtered VDC or unfiltered VRMS input
- Synchronize using SM or DSM Synchronization Modules
- Field-selectable voltages of 25 VRMS or 70 VRMS and powers from 1/8 W to 8 W
- Field-selectable strobe intensities of 15 cd, 30 cd, 75 cd, or 95 cd
- High efficiency design for maximum output at minimum wattage across a frequency range of 400 Hz to 4 kHz

The Wheelock S8-24MCC-FW Multi-candela Speaker Strobe provides high audible output with clear audibility at either of its field-selectable voltages (25 VRMS or 70 VRMS) and at all of its field-selectable powers (1/8 W, 1/4 W, 1/2 W, 1 W, 2 W, 4 W, or 8 W). With its multi-candela (15 cd, 30 cd, 75 cd, or 95 cd) strobe it meets the needs of the life safety industry for effective emergency voice communications, tone signaling, and visible signaling to alert the hearing impaired.
The speakers have a 12-inch round metal grill and a molded, flame-retardant core. The strobes produce 1 flash/sec over the regulated voltage range and can be synchronized using the SM or DSM Synchronization Modules.

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), UUMW: Speakers and Amplifiers for Fire Protective Signaling Systems (UL1480, UL1711, and UL2043)
	CSFM	see our website

Installation/configuration notes

Compatibility Information
These speaker strobes are compatible with Wheelock SAFEPATH4 Facility Communication Systems and Bosch Voice Evacuation Systems.

Mounting Considerations
The speaker strobe is designed to mount flush in a hung tile ceiling. The CBB-8 Circular Back Box or its equivalent is required to meet UL1480 requirements. When the speaker and back box cannot be installed directly through a ceiling tile, a support bridge (SBB-8 or equivalent) must be used.

Notice
Do not use these speaker strobes in hazardous locations as defined by the National Electrical Code (NEC) and by NFPA. Do not expose these speaker strobes to rain or moisture. Do not use these speaker strobes on coded systems in which the applied voltage is cycled on and off.

Wiring Considerations
The terminal block accepts two 12 AWG (2.3 mm) to 18 AWG (1.2 mm) stranded wires at each screw terminal.

Parts included

Quant.	Component
1	Speaker strobe
1	Hardware pack
1	Literature pack

Technical specifications

Electrical

Voltage	
Range :	16.0 VDC or VRMS to 33.0 VDC or VRMS
Regulated:	24 VDC or VRMS

Environmental

Relative Humidity:	Up to 85%, non-condensing
Temperature (operating):	+32°F to +120°F (0°C to +49°C)

Mechanical

Color:	white, powder coat
Weight:	3.75 lb (1.7 kg)
Diameter	
Grill:	12 in. (30.5 cm)
Speaker:	8 in. (20.3)
Material	
Grill:	powder-coated metal
Speaker Cone:	molded, flame-retardant plastic
Strobe:	Xenon flashtube with solid-state circuitry enclosed in a Lexan lens

Speaker Characteristics

Frequency Response:	200 Hz to 15 kHz (400 Hz to 4 kHz UL)
Impedance:	8 Ω
Decibel Rating at 10 ft (3 m):	
1/8 W:	75 dBA
1/4 W:	78 dBA
1/2 W:	81 dBA
1 W:	84 dBA
2 W:	87 dBA
4 W:	90 dBA
8 W:	93 dBA

Strobe Characteristics

Candela Ratings:	15 cd, 30 cd, 75 cd, or 95 cd
Average RMS Current[1]	
At 24 VDC:	15 cd: 45 mA; 30 cd: 70 mA; 75 cd: 119 mA; 95 cd: 159 mA
At UL max:	15 cd: 65 mA; 30 cd: 105 mA; 75 cd: 189 mA; 95 cd: 249 mA

[1] RMS current ratings are per UL average RMS method. UL max current is the maximum RMS current within the listed voltage range.

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

Ordering information

S8-24MCC-FW Multi-candela Speaker Strobe (white)
Compatible with Wheelock SAFEPATH4 Facility Communication Systems and Bosch Voice Evacuation Systems
Order number **S8-24MCC-FW**

Accessories

CBB-8 Circular Back Box
Overall (flange) diameter of 31.3 cm (12.3125 in.), interior diameter of 24.8 cm (9.75 in.), depth of 10.3 cm (4.1 in.)
Order number **CBB-8**

SSB-8 Ceiling Support Bridge
23.75 in. (60.3 cm) long by 14.5 in. (36.8 cm) wide
Order number **SSB-8**

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**

Represented by:

Americas:
Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:
Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:
Bosch (Shanghai) Security Systems Ltd.
201 Building, No. 333 Fuquan Road North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:
Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
latam.boschsecurity@bosch.com
www.boschsecurity.com

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2733722507 | en, V2, 11. Sep 2014