

## Description:

Wheelock® Exceder™ colored lens strobe appliances are designed to offer easy installation and sleek modern esthetics. The appliances' comprehensive feature list includes the most candela options in one appliance, low current draw, no tools needed for setting changes, voltage test points, 12/24 VDC operation, universal mounting base and multiple mounting options for both new and retrofit construction. The Mass Notification strobes are available with amber, blue, red, or green lenses through special order. The colored lens strobe products are listed under UL Standard 1638 for general signaling and the amber lens strobe has been tested to meet UL 1971 light distribution. These appliances are suitable for indoor applications.

The Wheelock® Exceder™ colored lens appliances incorporate high reliability and high efficiency optics to minimize current draw allowing for a greater number of appliances on the notification appliance circuit. All strobe models feature an industry first of 8 candela settings on a single appliance. All switches to change settings, can be set without the use of a tool and are located behind the appliance to prevent tampering. Wall models feature voltage test points to take readings with a voltage meter for troubleshooting and AHJ inspection.

The Wheelock® Exceder™ Series wall and ceiling colored lens strobe appliances feature a Universal Mounting Base (UMB) designed to simplify the installation and testing. The separate universal mounting base can be pre-wired to allow full testing of circuit wiring before the appliance is installed and the surface is finished. It comes complete with a Contact Cover for protection against dirt, dust, paint and damage to the contacts.

All inputs are compatible with standard supervision of circuit wiring by an FACP and provide a synchronized strobe appliance when used in conjunction with a Dual Sync Module (DSM) or Cooper Wheelock Power Supplies with patented sync protocol.

- Save up to **48%** in current draw\*
- Up to **8** models now in **1** appliance
- Save up to **14%** cost of installation\*\*

## Features:

- Approvals include: UL 1638
- Amber Lens Strobe has been tested to meet UL 1971 light distribution
- Choice of strobe lens colors – amber, blue, green, red
- Special Lettering available.
- 8 Candela Settings\*\*\*
  - Field selectable candela settings of 15, 19, 30, 75, 95, 110, 135, 185 candela for wall mount and 15, 30, 60, 75, 95, 115, 150, 177 candela for ceiling mount (177 candela not available for amber lens models)
- Indoor 24VDC models with UL "Regulated Voltage" work on 16-33 VDC using filtered DC or unfiltered FWR input voltage
- Strobes can be synchronized with Wheelock's SM or DSM sync modules or PS-6/8 power supplies
- Mounts to 5 different types of backboxes:
  - 1 gang, 2 gang, 4" sq, 3.5" octal & 4" octal boxes (100 • mm for international customers)
- High quality designs from the leader in notification appliances


## Compatibility and Requirements

- Synchronize using the Wheelock® Sync Modules or panels with built-in Wheelock® Patented Sync Protocol
- Compatible with UL "Regulated Voltage" using filtered VDC or unfiltered VRMS input voltage
- Strobes produce 1 flash per second over the "Regulated Voltage" range

\* Compared to competitive models

\*\*\* Patented

\*\* Compared to previous models

**NOTE: All CAUTIONS and WARNINGS are identified by the symbol . All warnings are printed in bold capital letters.**

**⚠ WARNING: PLEASE READ THESE SPECIFICATIONS AND ASSOCIATED INSTALLATION INSTRUCTIONS CAREFULLY BEFORE USING, SPECIFYING OR APPLYING THIS PRODUCT. VISIT [WWW.COOPERNOTIFICATION.COM](http://WWW.COOPERNOTIFICATION.COM) OR CONTACT COOPER NOTIFICATION FOR THE CURRENT INSTALLATION INSTRUCTIONS. FAILURE TO COMPLY WITH ANY OF THESE INSTRUCTIONS, CAUTIONS OR WARNINGS COULD RESULT IN IMPROPER APPLICATION, INSTALLATION AND/OR OPERATION OF THESE PRODUCTS IN AN EMERGENCY SITUATION, WHICH COULD RESULT IN PROPERTY DAMAGE, AND SERIOUS INJURY OR DEATH TO YOU AND/OR OTHERS.**

## General Notes:

General Notes:

- Strobes are designed to flash at 1 flash per second minimum over their "Regulated Voltage Range".
- All candela ratings represent minimum effective strobe intensity based on UL Standard 1638.
- Exceder Strobe products with Colored Lenses are Listed under UL Standards 1638 for indoor use with a temperature range of 32°F to 120°F (0°C to 49°C) and maximum humidity of 85% (UL 1638).

## Low Current Draw = Fewer Power Supplies

Strobe Ratings per UL Standard 1638

Model	Regulated Voltage Range VDC	UL Max Current*													
		24 VDC / 24 FWR												12 VDC	
		15	19	30	60	75	95	110	115	135	150	177	185	15	19
ST	8.0-33.0	0.057	0.070	0.085		0.135	0.163	0.182		0.205			0.253	0.110	0.140
STC**	8.0-33.0	0.061		0.085	0.103	0.135	0.163		0.182		0.205	0.253		0.110	
STC-A	8.0-33.0	0.085		0.103	0.135	0.212	0.214		0.215		0.256			0.142	

\*\*Blue, Green and Red lens models have the same candela as the clear lens models

### Model Legend

ST = Strobe  
 C = Ceiling Mount  
 W = White  
 R = Red  
 A = Amber Lens  
 B = Blue Lens  
 G = Green Lens  
 R = Red Lens  
 A = Agent Lettering  
 AL = Alert Lettering  
 N = No Letter

Example 1: STRC-NA = Strobe, Red, Ceiling Mount, No Lettering, Amber Lens

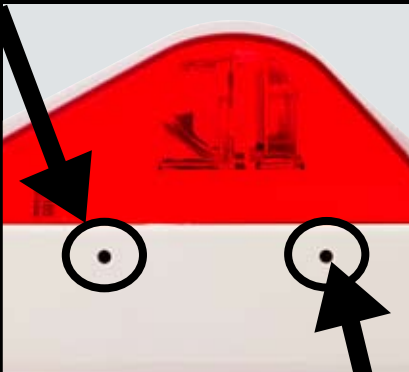
Example 2: STW-AB = Strobe, White, Wall Mount, Agent Lettering, Blue Lens

Example 3: STWC-ALA = Strobe, White, Ceiling Mount, Alert Lettering, Amber Lens

### Easy to remember model numbers

Industry leading - 8 candelas on 1 device  
 12/24VDC on a single appliance

Mounts to 5 different types of backboxes:  
 1 gang, 2 gang, 4" sq, 3.5" octal & 4" octal backboxes (100 • mm for international customers)



Voltage test points for quick troubleshooting and easy spot checking (wall models only)



8 candela settings



\*UMB

Common base for wall and ceiling with 5 mounting options



Contact Cover

\* UL max current rating is the maximum RMS current within the listed voltage range (16-33 VDC for 24 VDC units). For strobes the UL max current is usually at the minimum listed voltage (16 VDC for 24 VDC units). For unfiltered ratings, see installation instructions.

## Specification & Ordering Information

Model	Strobe Candela	Description	12/24 VDC*	Mounting Options
<b>Strobes, No Lettering</b>				
STW-NA	15/19/30/75/95/110/135/185	Strobe, white, wall, no lettering, amber lens	X	UMB**
STWC-NA	15/30/60/75/95/115/150	Strobe, white, ceiling, no lettering, amber lens	X	UMB**
STR-NA	15/19/30/75/95/110/135/185	Strobe, red, wall, no lettering, amber lens	X	UMB**
STRC-NA	15/30/60/75/95/115/150	Strobe, red, ceiling, no lettering, amber lens	X	UMB**
STW-NB	15/19/30/75/95/110/135/185	Strobe, white, wall, no lettering, blue lens	X	UMB**
STWC-NB	15/30/60/75/95/115/150/177	Strobe, white, ceiling, no lettering, blue lens	X	UMB**
STR-NB	15/19/30/75/95/110/135/185	Strobe, red, wall, no lettering, blue lens	X	UMB**
STRC-NB	15/30/60/75/95/115/150/177	Strobe, red, ceiling, no lettering, blue lens	X	UMB**
STW-NG	15/19/30/75/95/110/135/185	Strobe, white, wall, no lettering, green lens	X	UMB**
STWC-NG	15/30/60/75/95/115/150/177	Strobe, white, ceiling, no lettering, green lens	X	UMB**
STR-NG	15/19/30/75/95/110/135/185	Strobe, red, wall, no lettering, green lens	X	UMB**
STRC-NG	15/30/60/75/95/115/150/177	Strobe, red, ceiling, no lettering, green lens	X	UMB**
STW-NR	15/19/30/75/95/110/135/185	Strobe, white, wall, no lettering, red lens	X	UMB**
STWC-NR	15/30/60/75/95/115/150/177	Strobe, white, ceiling, no lettering, red lens	X	UMB**
STR-NR	15/19/30/75/95/110/135/185	Strobe, red, wall, no lettering, red lens	X	UMB**
STRC-NR	15/30/60/75/95/115/150/177	Strobe, red, ceiling, no lettering, red lens	X	UMB**
<b>Strobes, Lettering</b>				
STW-ALA	15/19/30/75/95/110/135/185	Strobe, white, wall, alert lettering, amber lens	X	UMB**
STWC-ALA	15/30/60/75/95/115/150	Strobe, white, ceiling, alert lettering, amber lens	X	UMB**
STR-ALA	15/19/30/75/95/110/135/185	Strobe, red, wall, alert lettering, amber lens	X	UMB**
STW-AB	15/19/30/75/95/110/135/185	Strobe, white, wall, agent lettering, blue lens	X	UMB**
STWC-AB	15/30/60/75/95/115/150/177	Strobe, white, ceiling, agent lettering, blue lens	X	UMB**
STR-AB	15/19/30/75/95/110/135/185	Strobe, red, wall, agent lettering, blue lens	X	UMB**
STRC-AB	15/30/60/75/95/115/150/177	Strobe, red, ceiling, agent lettering, blue lens	X	UMB**

Easy to remember model codes

8 candelas on 1 device

1 gang, 2 gang, 4" sq, 3.5" octal & 4" octal boxes

\*12 VDC models feature 15 candela setting

\*\*UMB = Universal Mounting Base



**NOTE:** Due to continuous development of our products, specifications and offerings are subject to change without notice in accordance with Cooper Wheelock Inc., dba Cooper Notification standard terms and conditions.

## Architects and Engineers Specifications

The notification appliances shall be Wheelock® Exceder™ Series ST Visual Strobe Colored Lens appliances or approved equals. The Series ST Strobes Colored Lens appliances shall be listed for UL Standard 1638, the Amber Lens Strobe shall be tested to meet UL 1971 Light Distribution. Series shall meet the requirements of FCC Part 15 Class B. All inputs shall be compatible with standard reverse polarity supervision of circuit wiring by a Fire Alarm Control Panel (FACP) with the ability to operate from 8 to 33 VDC. Indoor wall models shall incorporate voltage test points for easy voltage inspection.

The Series ST Strobe Colored Lens appliances shall produce a flash rate of one (1) flash per second over the Regulated Voltage Range and shall incorporate a Xenon flashtube enclosed in a rugged Lexan® lens. The Series shall be of low current design. Where Multi-Candela appliances are specified, the strobe intensity shall have 8 field selectable settings at 15, 19, 30, 75, 95, 110, 135, 185 candela for wall mount and 15, 30, 60, 75, 95, 115, 150, 177 (177 not available on Amber Lens Strobe) candela for ceiling mount. The selector switch for selecting the candela shall be tamper resistant. Appliances with candela settings shall show the candela selection in a visible location at all times when installed.

The Series ST Strobe Colored Lens shall incorporate a patented Universal Mounting Base that shall allow mounting to a single-gang, double-gang, 4-inch square, 3.5-inch octal, 4-inch octal or 100mm European type back boxes. Two wire appliance wiring shall be capable of directly connecting to the mounting base. Continuity checking of the entire NAC circuit prior to attaching any notification appliances shall be allowed. Product shall come with Contact Cover to protect contact springs. Removal of an appliance shall result in a supervision fault condition by the Fire Alarm Control Panel (FACP). The mounting base shall be the same base among all horn, strobe, horn strobe, wall and ceiling models. All notification appliances shall be backwards compatible.

The Series ST Colored Lens wall models shall have a low profile measuring 5.24" H x 4.58" W x 2.19" D. The Series STC shall be round and have a low profile with a diameter of 6.68" x 2.63" D.

When synchronization is required, the appliance shall be compatible with DSM Sync Modules, Cooper Wheelock Power Supplies or other manufacturer's panels with built-in Wheelock® Patented Sync Protocol. The strobes shall not drift out of synchronization at any time during operation. If the sync protocol fails to operate, the strobe shall revert to a non-synchronized flash-rate and still maintain (1) flash per second over its Regulated Voltage Range. The appliance shall also be designed so that the audible signal may be silenced while maintaining strobe activation when used with Wheelock® synchronization protocol.

**Wall Colored Lens Appliances** – UL Standard 1638

**Ceiling Colored Lens Appliances** – UL Standard 1638



WE ENCOURAGE AND SUPPORT NICET CERTIFICATION  
3 YEAR WARRANTY

**Exceder Strobe Colored Lens- Spec Sheet 10/11**

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