



Kingfisher Company, inc.

# Speakers and Speaker Strobes

## Features:

- Approvals include: UL Standard 1971, UL Standard 1480, New York City (MEA), California State Fire Marshall (CSFM), Factory Mutual (FM), and Chicago (BFP) See approvals by model in Specifications and Ordering Information
- ADA/NFPA/UFC/ANSI compliant
- Meets OSHA 29 Part 1910.165
- Wall mount models are available with Field Selectable Candela Settings of 15/30/75/110cd or 135/185cd (Multi Candela models) or 1575cd (Single Candela model)
- Ceiling mount models are available with field selectable candela settings of 15/30/75/95cd or 115/177cd (Multi candela models)
- Strobes produce 1 flash per second over the regulated voltage range
- 24 VDC with wide UL "Regulated Voltage" using filtered DC or unfiltered VRMS input voltage
- Synchronize with sync modules or panels with built-in Kingfisher Company, inc., Patented Sync Protocol
- Field selectable taps for 25 or 70 VRMS operation from 1/8 watt to 8 watts
- High efficiency design for maximum output at minimum wattage across a frequency range of 400 to 4000 HZ
- Fast installation with IN/OUT screw terminals using #12 to #18 AWG wires .



## Description:

The Kingfisher Company, inc., high performance Series KFET Speakers and Series KFET Speaker Strobes provide high audio output, clear audibility, dual voltage (25/70 VRMS) capability and field selectable taps from 1/8 to 8 watts. They are designed to meet the critical needs of the life safety industry for effective emergency voice communications, tone signaling and visible signaling to alert the hearing impaired.

The low profile design incorporates a speaker mounting plate for faster and easier installation. Each model has a built-in level adjustment feature and an aesthetic two (2) screw grill cover.

The Series KFET Speaker Strobe models incorporate Low Current draw Series KFRSS Strobes. Strobe options for wall mount models include 15/75 cd or Kingfisher Company, inc.'s patented MCW multi-candela strobe with field selectable candela settings of 15/30/75/110cd or the high intensity MCWH strobe with field selectable 135/185cd. Ceiling mount models are available in MCC multi-candela ceiling strobe with field selectable intensities of 15/30/75/95cd or the high intensity MCCH strobe with field selectable 115/177cd.

The strobe portion of all Series KFET Strobes may be synchronized when using the Kingfisher Company, inc., KF5M, KFDSM Sync Modules, King-Fisher Company, inc., NAC 10 Power Supply or other manufacturers panels incorporating the Kingfisher Company, inc., Patented Sync Protocol. Kingfisher Company, inc., synchronized strobes offer an easy way to comply with ADA recommendations concerning photosensitive epilepsy.

## Description Continued:

Series KFET70 and KFET90 Speaker Strobes are UL Listed for indoor use under Standard 1971 (Signaling Devices for the Hearing Impaired) and Standard 1480 (Speaker Appliances), and use a Xenon flashtube with solid state circuitry enclosed in a rugged Lexan® lens to provide maximum reliability for effective visual signaling. All inputs are supervised and employ IN/OUT wiring terminals for fast installation using #12 to #18 AWG wiring.

Color options for Series KFET speakers and speaker strobes are red, white, or nickel plated.

## Specifications:

**WARNING: PLEASE READ THESE SPECIFICATIONS AND ASSOCIATED INSTALLATION INSTRUCTIONS CAREFULLY BEFORE USING, SPECIFYING OR APPLYING THIS PRODUCT. CONTACT KING-FISHER COMPANY, inc., 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.**

- Strobes are designed to flash at 1 flash per second minimum over their UL Listed Regulated Voltage Range.
- All candela ratings represent minimum effective Strobe intensity based on UL Standards 1971 and 1638 as indicated in candela ratings table.

KFET70/ KFET90 Speaker Strobes	KFET70 Strobe current - Wall Mount							KFET90 Strobe current - Ceiling Mount					
	241575W	24MCW				24MCWH		24MCC			24MCCH		
	1575cd	15cd	30cd	75cd	110cd	135cd	185cd	15cd	30cd	75cd	95cd	115cd	177cd
16-33 VDC	0.090	0.060	0.092	0.16 5	0.220	0.300	0.420	0.065	0.105	0.18 9	0.24 9	0.300	0.420

watts	1/8	1/4	1/2	1	2	4	8
ET Speaker	75.0	78.0	81.0	84.0	87.0	90.0	93.0
ET Speaker Strobe	75.0	78.0	81.0	84.0	87.0	90.0	93.0

\*UL max current rating is the maximum RMS current within the listed voltage range (16-33v for 24v units). For strobes the UL max current is usually at the minimum listed voltage (16v for 24v units). For audibles the max current is usually at the maximum listed voltage (33v for 24v units). For unfiltered FWR ratings, see installation instructions.  
\*\*dBA ratings are based on UL testing under UL Standard 1480

**Kingfisher Company, inc.** 81 Old Ferry Road - Lowell, MA 01854  
Phone: 978-596-0214 Fax: 978-596-0217 [www.kfci.com](http://www.kfci.com)

Model	Wall Mount	Ceiling Mount	Non-Sync	Strobe Sync w/ SM, DSM or PS-12/24-8CP/MP	Strobe Can-dela	# Model Color RED	# Model Color White	# Model Color Nickel	Mounting Options	Agency Approvals				
										U L	M E A	C S F M	F M	B F P
KFET70-24MCW-FR	X	-	X	X	15/30/75/110	X	-		L,O,P,Q,U,Y	X	X	X	X	X
KFET70-24MCW-FW	X	-	X	X	15/30/75/110	-	X		L,O,P,Q,U,Y	X	X	X	X	X
KFET70-24MCW-ALR	X		X	X	15/30/75/110	X	-	-	L,O,P,Q,U,Y	X	X	X	X	X
KFET70-24MCW-ALW	X		X	X	15/30/75/110	-	X	-	L,O,P,Q,U,Y	X	X	X	X	X
KFET70A-24MCW-ALR	X		X	X	11/22/56/82	X	-	-	L,O,P,Q,U,Y	X	X	X	X	X
KFET70A-24MCW-ALW	X		X	X	11/22/56/82	-	X	-	L,O,P,Q,U,Y	X	X	X	X	X
KFET70-241575W-FR	X	-	X	X	15 (75 on Axis)	X	-		L,O,P,Q,U,Y	X	X	X	X	X
KFET70-241575W-FW	X	-	X	X	15 (75 on Axis)	-	X	-	L,O,P,Q,U,Y	X	X	X	X	X
KFET70-241575W-FN	X	-	X	X	15 (75 on Axis)	-	-	X	L,O,P,Q,U,Y	X	X	X	X	X
KFET70-24MCWH-FR	X	-	X	X	135/185	X	-	-	L,O,P,Q,U,Y	X	X	X	X	*
KFET70-24MCWH-FW	X	-	X	X	135/185	-	X	-	L,O,P,Q,U,Y	X	X	X	X	*
KFET90-24MCC-FW	-	X	X	X	15/30/75/95	-	X	-	L,Q,U,V,Y	X	X	X	X	*
KFET90-24MCC-FR	-	X	X	X	15/30/75/95	X	-	-	L,Q,U,V,Y	X	X	X	X	*
KFET90A-24MCC-FR		X	X	X	11/22/56/82	X	-	-	L,Q,U,V,Y	X	X	X	X	X
KFET90-24MCC-ALW		X	X	X	15/30/75/95	-	X	-	L,Q,U,V,Y	X	X	X	X	X
KFET90A-24MCC-FW		X	X	X	11/22/56/82	-	X	-	L,Q,U,V,Y	X	X	X	X	X
KFET90-24MCCH-FW	-	X	X	X	115/177	-	X	-	L,Q,U,V,Y	X	X	X	X	*
KFET90-24MCCH-FR	-	X	X	X	115/177	X	-	-	L,Q,U,V,Y	X	X	X	X	*
KFET90-24MCCH-ALW	-	X	X	X	115/177	X	-	-	L,Q,U,V,Y	X	X	X	X	*
KFET70-R	X	X	-	-	-	X	-	-	L,O,P,Q,U,Y	X	X	X	X	X
KFET70-W	X	X	-	-	-	-	X	-	L,O,P,Q,U,Y	X	X	X	X	X
KFET90-R	X	X	-	-	-	X	-	-	L,Q,U,V,Y	X	X	X	X	X
KFET90-W	X	X	-	-	-	-	X	-	L,Q,U,V,Y	X	X	X	X	X

**Kingfisher Company, inc.** 81 Old Ferry Road - Lowell, MA 01854  
Phone: 978-596-0214 Fax: 978-596-0217 [www.kfci.com](http://www.kfci.com)

## ORDERING INFORMATION

KCi #	Model #	Description
<b>Wall Mounted Speaker Strobes</b>		
80133	KFET70-24MCW-FR	8W SPKR STRB,WALL,24 VDC,15/30/75/110CD,RD
80134	KFET70-24MCW-FW	8W SPKR STRB,WALL,24 VDC,15/30/75/110CD,WHT
80189	KFET70-24MCW-ALR	8W SPKR STRB,WALL,24 VDC, 15/30/75/110CD,ALERT,RD
80190	KFET70-24MCW-ALW	8W SPKR STRB,WALL,24 VDC, 15/30/75/110CD,ALERT,WHT
80604	KFET70A-24MCW-ALR	8W SPKR STRB,WALL,24 VDC, 15/30/75/110CD,ALERT,RD AMBER LENS
81306	KFET70A-24MCW-ALW	8W SPKR STRB,WALL,24 VDC, 15/30/75/110CD,ALERT,WHT AMBER LENS
80135	KFET70-24MCWH-FR	8W SPKR STRB,WALL,H INT,24VDC,135/185CD,RD
80136	KFET70-24MCWH-FW	8W SPKR STRB,WALL,H INT,24VDC,135/185CD,WHT
80607	KFET70-241575W-FR	8W SPKR STRB,WALL,24 VDC,1575CD,RD
80608	KFET70-241575W-FW	8W SPKR STRB,WALL,24 VDC,1575CD,WHT
<b>Ceiling Mounted Speaker Strobes</b>		
80181	KFET90-24MCC-FR	8W SPKR STRB,CEIL,24 VDC,15/30/75/95CD,RED
80182	KFET90-24MCC-FW	8W SPKR STRB,CEIL,24 VDC,15/30/75/95CD,WHT
80183	KFET90-24MCCH-FR	8W SPKR STRB,CEIL,H INT,24VDC,115/177CD,RD
80184	KFET90-24MCCH-FW	8W SPKR STRB,CEIL,H INT,24VDC,115/177CD,WHT
80605	KFET90A-24MCCH-FR	8W SPKR STRB,CEIL,24 VDC,15/30/75/95CD,RED AMBER LENS
80609	KFET90A-24MCCH-FW	8W SPKR STRB,CEIL,24 VDC,15/30/75/95CD,WHT AMBER LENS
81137	KFET90-24MCC-ALW	8W SPKR STRB, CEIL 24VDC 15/30/75/95CD WHT ALERT LETTERING
80108	KFET90-24MCCH-ALW	8W SPKR STRB,CEIL,H INT,24VDC,115/177CD,WHT ALERT LETTERING
<b>Wall or Ceiling Mounted Speakers</b>		
80121	KFET70-R	8W SQUARE SPKR,WALL,24VDC,RD
80122	KFET70-W	8W SQUARE SPKR,WALL,24VDC,WHT
80193	KFET90-R	8W ROUND SPKR,CEIL,24VDC,RD
80195	KFET90-W	8W ROUND SPKR,CEIL,24VDC,WHT

**Kingfisher Company, inc.** 81 Old Ferry Road - Lowell, MA 01854  
 Phone: 978-596-0214 Fax: 978-596-0217 [www.kfci.com](http://www.kfci.com)

## ORDERING INFORMATION CONTINUED

KFCI Part #	Model #	Description
<b>Backboxes, Plates, Grills and Retrofit kit</b>		
80492	KFSBB-R	BACKBOX,SURFACE,RD
80166	KFSBB-W	BACKBOX,SURFACE,WHT
80208	KFISP2-R	EXTENDER,SUFACE,INDOOR,RD
80209	KFISP2-W	EXTENDER,SUFACE,INDOOR,WHT
80162	KFCBB-8	BACKBOX,8" SPEAKER,RND,WHT
80163	KFSSB-8	TILE BRIDGE,8" SPEAKER SUPPORT
80049	KFECHSG90-R	ROUND GRILL, RED PLATE, NO LETTERING, FOR KFET90 SERIES SPEAKER STROBES
80048	KFECHG70-W	SQUARE GRILL, WHITE PLATE, NO LETTERING, FOR KFET70 & 90 SERIES SPEAKER ONLY
80047	KFECHGS70W-FW	SQUARE GRILL, WHITE PLATE, FIRE LETTERING, FOR KFET70 & 90 SERIES SPEAKER STROBES.
80046	KFECHGS70W-NW	SQUARE GRILL, WHITE PLATE, NO LETTERING, FOR KFET70 & 90 SERIES SPEAKER STROBES.
<b>Emergency Mass Notification Appliance Strobes</b>		
80204	KFE90-24MCC-ALW	Speaker/Strobe—25/70V, 1/8 to 2 Watt Selectable, Ceiling Mount, 8" Round, White, 15/30/75/95 Cd (requires 80166 backbox), Clear Lens, ALERT
80206	KFRSSPA-24MCW-NW	STRB PLATE,WALL,24 VDC,15/30/75/110CD,WHT AMBER LENS NO LETTERING
80219	KFRSSPA-24MCW-ALW	STRB PLATE,WALL,24 VDC,15/30/75/110CD,NO LTR,RD AMBER LENS ALERT
80213	KFSBL2-R	BACKBOX,SURFACE FOR RSSP,RD
80214	KFSBL2-W	BACKBOX,SURFACE FOR RSSP,WHT
80121-DTS		Specification Data Sheet



King-Fisher Company, inc., products must be used within their published specifications and must be PROPERLY specified, applied, installed, operated, maintained and operationally tested in accordance with their installation instructions at the time of installation and at least twice a year or more often and in accordance with local, state and federal codes, regulations and laws. Specification, application, installation, operation, maintenance and testing must be performed by qualified personnel for proper operation in accordance with all of the latest National Fire Protection Association (NFPA), Underwriters' Laboratories (UL), National Electrical Code (NEC), Occupational Safety and Health Administration (OSHA), local, state, county, province, district, federal and other applicable building and fire standards, guidelines, regulations, laws and codes including, but not limited to, all appendices and amendments and the requirements of the local authority having jurisdiction (AHJ).

NOTE: Due to continuous development of our products, specifications and offerings are subject to change without notice in accordance with King-Fisher Company, inc., standard terms and conditions

**King-Fisher Company, inc.** 81 Old Ferry Road - Lowell, MA 01854  
 Phone: 978-596-0214 Fax: 978-596-0217 [www.kfci.com](http://www.kfci.com)

**BLANK PAGE LEFT  
INTENTIONALY**

***King-Fisher Company, inc.*** 81 Old Ferry Road - Lowell, MA 01854  
Phone: 978-596-0214 Fax: 978-596-0217 [www.kfci.com](http://www.kfci.com)