## LED Horn WM Contin. tone 115-230VAC CL



ļ

#### Part No.: 434.400.60



Length144 mmWidth134 mmHeight407 mmDiameter134 mmMaterialsPCPC/ABSDome colourClearHousing colourGreyProtection categoryIP65ConnectionScrew terminalscross-sectional area maximum1.50mm² / 16AWGCable entryMembrane grommetCable entry minimumd = 1 mmCable entry maximumd = 13 mmTension reliefPresent (conforms to VDI)Type of fixingWall mountingService life optical50,000 h maximumAcoustic service life5.000 h minimumWorking temperature minimum-30°CWorking temperature maximum+50°CUL Type RatingType 12Weight with packaging770 gProduct weight653 gELECTRICAL DATAOperating voltage typeACOperating voltage typeACOperating voltage typeACOperating voltage type230 VACRated operational voltage230 VACRated operational voltage230 VACRated operational voltage3Overvoltage categoryIIIsolation voltage10 mARotection classProtection class 2Pollution degree3Overvoltage categoryIIIsolation voltageUi = 250V; Uimp = 2.500V	MECHANICAL DATA	
Height407 mmDiameter134 mmMaterialsPC PC/ABSDome colourClearHousing colourGreyProtection categoryIP65ConnectionScrew terminalscross-sectional area maximum1,50mm² / 16AWGCable entryMembrane grommetCable entry maximumd = 1 mmCable entry maximumd = 1 ammCable entry maximums0°CWorking temperature minimum-30°CWorking temperature maximum+50°CUL Type RatingType 12Weight with packaging770 gProtecting voltage115-230VOperating voltage typeACOperating voltage typeACOperating voltage typeS0Hz at 230V 60Hz at 115VOperating voltage tolerance+/- 10%Rated operational current130 mARated operational current400 mAProtection classProt	Length	144 mm
Diameter134 mmMaterialsPC PC/ABSDome colourClearHousing colourGreyProtection categoryIP65ConnectionScrew terminalscross-sectional area maximum1,50mm² / 16AWGCable entryMembrane grommetCable entry minimumd = 1 mmCable entry maximumd = 1 a mmCable entry maximums000 h maximumAcoustic service life5,000 h maximumAcoustic service life5,000 h minimumWorking temperature maximum+50°CUL Type RatingType 12Weight with packaging770 gProduct weight653 gELECTRICAL DATAOperating voltage typeACOperating voltage typeACOperating voltage type50Hz at 230V 60Hz at 115VOperating voltage type20 VACRated operational current130 mARa	Width	134 mm
MaterialsPC PC/ABSDome colourClearHousing colourGreyProtection categoryIP65ConnectionScrew terminalscross-sectional area maximum1,50mm² / 16AWGCable entryMembrane grommetCable entry minimumd = 1 mmCable entry maximumd = 13 mmCable entry maximumd = 13 mmTension reliefPresent (conforms to VDI)Type of fixingWall mountingService life optical50,000 h maximumAcoustic service life5,000 h minimumWorking temperature minimum-30°CWorking temperature maximum+50°CUL Type RatingType 12Weight with packaging770 gProduct weight653 gELECTRICAL DATAOperating voltage typeACOperating voltage typeSOHz at 230V 60Hz at 115VOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current130 mARated inrush current400 mAProtection classProtection class 2Pollution degree3Overvoltage categoryII	Height	407 mm
PC/ABSDome colourClearHousing colourGreyProtection categoryIP65ConnectionScrew terminalscross-sectional area maximum1,50mm² / 16AWGCable entryMembrane grommetCable entry minimumd = 1 mmCable entry maximumd = 13 mmTension reliefPresent (conforms to VDI)Type of fixingWall mountingService life optical50,000 h maximumAcoustic service life5,000 h minimumWorking temperature minimum-30°CWorking temperature maximum+50°CUL Type RatingType 12Weight with packaging770 gPreduct weight653 gELECTRICAL DATAOperating voltage typeACOperating voltage type50Hz at 230V 60Hz at 115VOperating voltage tolerance+/-10%Rated operational voltage230 VACRated operational voltage230 VACRated inrush current400 mAProtection classProtection class 2Pollution degree3Overvoltage categoryII	Diameter	134 mm
Dome colourClearHousing colourGreyProtection categoryIP65ConnectionScrew terminalscross-sectional area maximum1,50mm² / 16AWGCable entryMembrane grommetCable entry minimumd = 1 mmCable entry maximumd = 13 mmTension reliefPresent (conforms to VDI)Type of fixingWall mountingService life optical50,000 h maximumAcoustic service life5,000 h minimumWorking temperature minimum-30°CWorking temperature maximum+50°CUL Type RatingType 12Weight with packaging770 gProduct weight653 gELECTRICAL DATAOperating voltage typeACOperating voltage type50Hz at 230VOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current130 mARated inrush current400 mAProtection classProtection class 2Pollution degree3Overvoltage categoryII	Materials	
Protection categoryIP65ConnectionScrew terminalscross-sectional area maximum1,50mm² / 16AWGCable entryMembrane grommetCable entry minimumd = 1 mmCable entry maximumd = 13 mmTension reliefPresent (conforms to VDI)Type of fixingWall mountingService life optical50,000 h maximumAcoustic service life5,000 h minimumWorking temperature minimum-30°CWorking temperature maximum+50°CUL Type RatingType 12Weight with packaging770 gProduct weight653 gELECTRICAL DATAOperating voltage typeACOperating voltage type50Hz at 230V 60Hz at 115VOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current130 mARated inrush current400 mAProtection classProtection class 2Pollution degree3Overvoltage categoryII	Dome colour	
ConnectionScrew terminalscross-sectional area maximum1,50mm² / 16AWGCable entryMembrane grommetCable entry minimumd = 1 mmCable entry maximumd = 13 mmTension reliefPresent (conforms to VDI)Type of fixingWall mountingService life optical50,000 h maximumAcoustic service life5,000 h minimumWorking temperature minimum-30°CWorking temperature maximum+50°CUL Type RatingType 12Weight with packaging770 gProduct weight653 gELECTRICAL DATAOperating voltage115-230VOperating voltage typeACOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational voltage230 VACRated inrush current400 mAProtection classProtection class 2Pollution degree3Overvoltage categoryII	Housing colour	Grey
cross-sectional area maximum1,50mm² / 16AWGCable entryMembrane grommetCable entry minimumd = 1 mmCable entry maximumd = 13 mmTension reliefPresent (conforms to VDI)Type of fixingWall mountingService life optical50,000 h maximumAcoustic service life5,000 h minimumWorking temperature minimum-30°CWorking temperature maximum+50°CUL Type RatingType 12Weight with packaging770 gProduct weight653 gELECTRICAL DATAOperating voltage typeACOperating voltage type50Hz at 230V 60Hz at 115VOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current130 mARated inrush current400 mAProtection classProtection class 2Pollution degree3Overvoltage categoryII	Protection category	IP65
Cable entryMembrane grommetCable entry minimumd = 1 mmCable entry maximumd = 13 mmTension reliefPresent (conforms to VDI)Type of fixingWall mountingService life optical50,000 h maximumAcoustic service life5,000 h minimumWorking temperature minimum-30°CWorking temperature maximum+50°CUL Type RatingType 12Weight with packaging770 gProduct weight653 gELECTRICAL DATAOperating voltage typeACOperating voltage type50Hz at 230V 60Hz at 115VOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current130 mARated inrush current400 mAProtection classProtection class 2Pollution degree3Overvoltage categoryII	Connection	Screw terminals
Cable entry minimumd = 1 mmCable entry maximumd = 13 mmTension reliefPresent (conforms to VDI)Type of fixingWall mountingService life optical50,000 h maximumAcoustic service life5,000 h minimumWorking temperature minimum-30°CWorking temperature maximum+50°CUL Type RatingType 12Weight with packaging770 gProduct weight653 gELECTRICAL DATAOperating voltage typeACOperating voltage type50Hz at 230V 60Hz at 115VOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current130 mARated inrush current400 mAProtection classProtection class 2Pollution degree3Overvoltage categoryII	cross-sectional area maximum	1,50mm² / 16AWG
Cable entry maximumd = 13 mmTension reliefPresent (conforms to VDI)Type of fixingWall mountingService life optical50,000 h maximumAcoustic service life5,000 h minimumWorking temperature minimum-30°CWorking temperature maximum+50°CUL Type RatingType 12Weight with packaging770 gProduct weight653 gELECTRICAL DATAOperating voltage typeACOperating voltage type50Hz at 230V 60Hz at 115VOperating voltage tolerance+/- 10%Rated operational current130 mARated inrush current400 mAProtection classProtection class 2Pollution degree3Overvoltage categoryII	Cable entry	Membrane grommet
Tension reliefPresent (conforms to VDI)Type of fixingWall mountingService life optical50,000 h maximumAcoustic service life5,000 h minimumWorking temperature minimum-30°CWorking temperature maximum+50°CUL Type RatingType 12Weight with packaging770 gProduct weight653 gELECTRICAL DATAOperating voltage115-230VOperating voltage typeACOperating voltage type50Hz at 230V 60Hz at 115VOperating voltage tolerance+/- 10%Rated operational current130 mARated inrush current400 mAProtection classProtection class 2Pollution degree3Overvoltage categoryII	Cable entry minimum	d = 1 mm
Type of fixingWall mountingService life optical50,000 h maximumAcoustic service life5,000 h minimumWorking temperature minimum-30°CWorking temperature maximum+50°CUL Type RatingType 12Weight with packaging770 gProduct weight653 gELECTRICAL DATAOperating voltage115-230VOperating voltage typeACOperating voltage type50Hz at 230V 60Hz at 115VOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current130 mARated inrush current400 mAProtection classProtection class 2Pollution degree3Overvoltage categoryII	Cable entry maximum	d = 13 mm
Service life optical50,000 h maximumAcoustic service life5,000 h minimumWorking temperature minimum-30°CWorking temperature maximum+50°CUL Type RatingType 12Weight with packaging770 gProduct weight653 gELECTRICAL DATAOperating voltage115-230VOperating voltage typeACOperating voltage type50Hz at 230V 60Hz at 115VOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current130 mARated inrush current400 mAProtection classProtection class 2Pollution degree3Overvoltage categoryII	Tension relief	Present (conforms to VDI)
Acoustic service life5,000 h minimumWorking temperature minimum-30°CWorking temperature maximum+50°CUL Type RatingType 12Weight with packaging770 gProduct weight653 gELECTRICAL DATAOperating voltage115-230VOperating voltage typeACOperating voltage type50Hz at 230V 60Hz at 115VOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current130 mARated inrush current400 mAProtection classProtection class 2Pollution degree3Overvoltage categoryII	Type of fixing	Wall mounting
Working temperature minimum-30°CWorking temperature maximum+50°CUL Type RatingType 12Weight with packaging770 gProduct weight653 gELECTRICAL DATAOperating voltage115-230VOperating voltage typeACOperating voltage type50Hz at 230V 60Hz at 115VOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current130 mARated inrush current400 mAProtection classProtection class 2Pollution degree3Overvoltage categoryII	Service life optical	50,000 h maximum
Working temperature maximum+50°CUL Type RatingType 12Weight with packaging770 gProduct weight653 gELECTRICAL DATAOperating voltage115-230VOperating voltage typeACOperating voltage type50Hz at 230V 60Hz at 115VOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current130 mARated inrush current400 mAProtection classProtection class 2Pollution degree3Overvoltage categoryII	Acoustic service life	5,000 h minimum
UL Type RatingType 12Weight with packaging770 gProduct weight653 gELECTRICAL DATAOperating voltage115-230VOperating voltage typeACOperating voltage type50Hz at 230V 60Hz at 115VOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current130 mARated inrush current400 mAProtection classProtection class 2Pollution degree3Overvoltage categoryII	Working temperature minimum	-30°C
Weight with packaging770 gProduct weight653 gELECTRICAL DATAOperating voltage115-230VOperating voltage typeACOperating voltage type50Hz at 230V 60Hz at 115VOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current130 mARated inrush current400 mAProtection classProtection class 2Pollution degree3Overvoltage categoryII	Working temperature maximum	+50°C
Product weight653 gELECTRICAL DATAOperating voltage115-230VOperating voltage typeACOperating voltage type50Hz at 230V 60Hz at 115VOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current130 mARated inrush current400 mAProtection classProtection class 2Pollution degree3Overvoltage categoryII	UL Type Rating	Type 12
ELECTRICAL DATAOperating voltage115-230VOperating voltage typeACOperating voltage type50Hz at 230V 60Hz at 115VOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current130 mARated inrush current400 mAProtection classProtection class 2Pollution degree3Overvoltage categoryII	Weight with packaging	770 g
Operating voltage115-230VOperating voltage typeACOperating voltage type50Hz at 230V 60Hz at 115VOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current130 mARated inrush current400 mAProtection classProtection class 2Pollution degree3Overvoltage categoryII	Product weight	653 g
Operating voltage115-230VOperating voltage typeACOperating voltage type50Hz at 230V 60Hz at 115VOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current130 mARated inrush current400 mAProtection classProtection class 2Pollution degree3Overvoltage categoryII	FLECTRICAL DATA	
Operating voltage typeACOperating voltage type50Hz at 230V 60Hz at 115VOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current130 mARated inrush current400 mAProtection classProtection class 2Pollution degree3Overvoltage categoryII		115-230V
Operating voltage type50Hz at 230V 60Hz at 115VOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current130 mARated inrush current400 mAProtection classProtection class 2Pollution degree3Overvoltage categoryII		
Rated operational voltage230 VACRated operational current130 mARated inrush current400 mAProtection classProtection class 2Pollution degree3Overvoltage categoryII		50Hz at 230V
Rated operational current130 mARated inrush current400 mAProtection classProtection class 2Pollution degree3Overvoltage categoryII	Operating voltage tolerance	+/- 10%
Rated operational current130 mARated inrush current400 mAProtection classProtection class 2Pollution degree3Overvoltage categoryII		
Rated inrush current400 mAProtection classProtection class 2Pollution degree3Overvoltage categoryII		130 mA
Protection classProtection class 2Pollution degree3Overvoltage categoryII		
Overvoltage category II		
Overvoltage category II	Pollution degree	
		П
		Ui = 250V; Uimp = 2.500V

#### **OPTICAL DATA**

For additional installation and mounting information, refer to the appropriate user guide at www.werma.com. This printed copy is for information only and is subject to alteration.

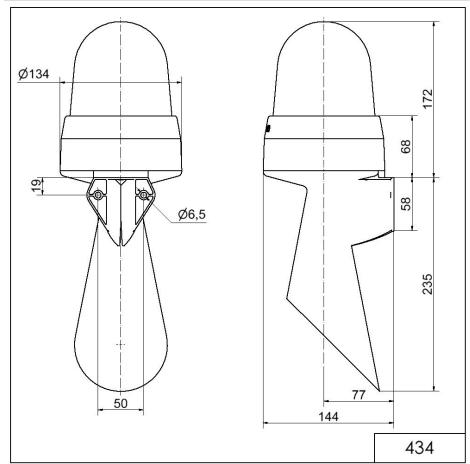
i

# LED Horn WM Contin. tone 115-230VAC CL

Light source	LED	
Light colour	White	
Optical signal image	Permanent	

ACUSIICAL DATA	
Volume/dB(max) at 1m distance	108,0 dB dB(A)
Acoustic signal image	Continuous tone
Audio frequency	110 Hz

### DRAWING



For additional installation and mounting information, refer to the appropriate user guide at www.werma.com. This printed copy is for information only and is subject to alteration.