890 LED Beacon/LED Traffic Light



LED Permanent Beacon



LED Traffic Light Combination with mounting bracket (accessory)



Clear lenses ensure effective signalling even in direct sunlight

ⓘ TECHNICAL SPECIFICATIONS/ORDER SPECIFICATIONS:

Dimensions (Ø x Height):	150 mm x 154 mm	
Housing:	PC/ABS-Blend, grey	
Lens:	PC, transparent	
Fixing:	Base mounting, bracket mounting (accessory),tube mounting (accessory)	
Cable entry:	From top or bottom with cable gland M20 x 1.5 mm or from the back with rubber grommet Ø 6-12 mm, included in assembly.	
Colours:	Red, green, yellow	
Connection:	CAGE CLAMP® 0.5 - 1.5 mm²	
Installation position:	As required	
Life duration:	Up to 50,000 hrs	
LED Beacon/LED Traffic Light		
Voltage:	12-24 V DC	115-230 V AC
Current consumption:	< 260 mA	< 35 mA
red	**890 120 55**	**890 120 68**
green	**890 220 55**	**890 220 68**
yellow	**890 320 55**	**890 320 68**
LED Permanent Light (RGY)		
Voltage:	12-24 V DC	230 V AC
Current consumption:	< 220 mA	< 40 mA
RGY (red, green, yellow)	**890 480 55**	**890 480 68**

🛠 ACCESSORIES:

FIXING BRACKET

Fixing bracket for one beacon	**975 890 33**
Fixing bracket for two beacons	**975 890 34**
Fixing bracket for three beacons	**975 890 35**
Fixing bracket for four beacons	**975 890 37**

Mounting material and connecting grommet included in assembly.
Further information can be found on page 142.

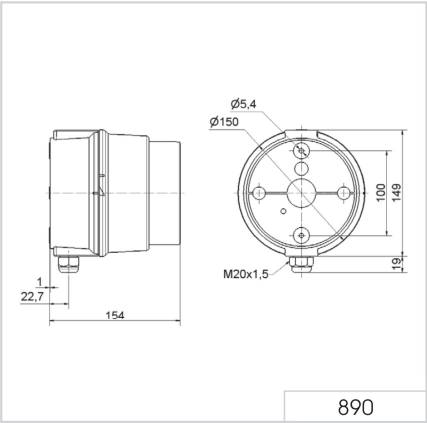
CONNECTING GROMMET

Connecting grommet for traffic light combinations	**975 890 25**

! ADDITIONAL INFORMATION:

Traffic light configurator at **www.werma.com**

↔ TECHNICAL DIAGRAM:



890

Signalisation index	
LED Permanent Light	7



890/190 (LED) Beacon 890/Multi-Tone Sounder 190/Vocal alarm 190 Combination



High-output
traffic light combination



Vocal alarm 190

TECHNICAL SPECIFICATIONS/ORDER SPECIFICATIONS:

(LED-)Beacon/Sounder 190/Vocal Alarm 190			
Dimensions (Ø x Height):	150 mm x 154 mm (890) 150 mm x 127 mm (190) 150 mm x 148 mm (Vocal Alarm 190)		
Housing:	PC/ABS-Blend, grey		
Lens:	PC, transparent		
Fixing:	Base mounting, fixing bracket (accessory)		
Cable entry:	From top or bottom with cable gland M20 x 1.5 mm or from the back with rubber grommet Ø 6-12 mm, included in assembly		
Connection:	CAGE CLAMP® 0.5 - 1.5 mm^2		
Vocal Alarm 190			
Sound output:	Adjustable, up to 110 dB		
File Transfer:	Via USB connection and provided software		
Possible data format:	mp3 and wav files		
Number of sequences:	15 files can be remotely triggered or one sequence with max. 50 files		
Suitable for:	Windows®, System requirements - see Handbook		
Assembly:	Vocal alarm, USB connection cable and software		
Multi-Tone Sounder 190			
Voltage:	10-30 V DC	115 V AC	230 V AC
Current consumption:	< 180 mA	< 55 mA	< 30 mA
grey	**190 000 55**	**190 000 67**	**190 000 68**
Vocal Alarm 190			
Voltage:	24 V DC		
Current consumption:	< 500 mA Low Power < 1500 mA High Power		
grey	**190 020 55**		
LED Beacon 890 see page 136			
Permanent Beacon 890 see page 139			

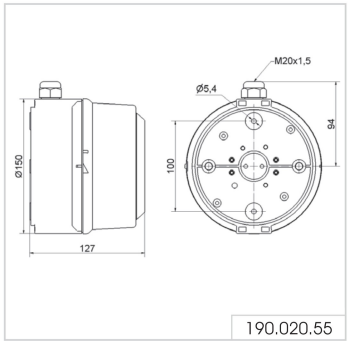
ACCESSORIES:

Fixing bracket, tube adaptor and connecting grommet see page 140

TONE TYPES AND FREQUENCIES:

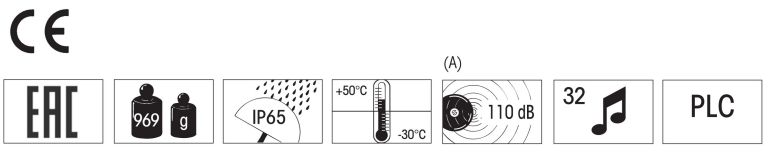
Selectable via DIP switch, see tone table on page 188.

TECHNICAL DIAGRAM:



Signalisation index

LED Permanent Light
Vocal alarm
Multi-tone siren



895 Permanent Beacon





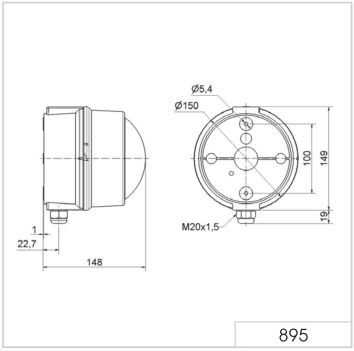
ⓘ TECHNICAL SPECIFICATIONS/ORDER SPECIFICATIONS:

Dimensions (Ø x Height):	150 mm x 148 mm
Housing:	PC/ABS-Blend, grey
Lens:	PC, transparent
Socket:	E27 max. 25 W with adhesive stickers E27 max. 15 W
Fixing:	Base mounting, tube mounting and fixing bracket (accessory)
Connection:	Screwed cable gland 0.5 - 1.5 mm^2
Cable entry:	From top or bottom with cable gland M20 x 1.5 mm or from the back with rubber grommet Ø 6-12 mm
Voltage:	12-230 V AC/DC
red	**895 100 00**
green	**895 200 00**
yellow	**895 300 00**
clear	**895 400 00**
blue	**895 500 00**
Bulb not included in assembly.	

🛠 ACCESSORIES:

Fixing bracket, additional reflector, Bulbs and LED Bulbs, Adhesive Stickers see Permanent/ Traffic Light Beacon (page 140).

↔ TECHNICAL DIAGRAM:



Signalisation index	
Permanent Light	4

890 Permanent/Traffic Light



Permanent Beacon



Traffic Light Combination
with mounting bracket
(accessory)

TECHNICAL SPECIFICATIONS/ORDER SPECIFICATIONS:

Dimensions (Ø x Height):	150 mm x 154 mm
Housing:	PC/ABS-Blend, grey
Lens:	PC, transparent
Socket:	E27 max. 25 W for 890 X00 00 with adhesive stickers E27 max. 15 W
Fixing:	Base mounting, fixing bracket (accessory), tube mounting (accessory)
Connection:	Screwed cable gland 0.5 - 1.5 mm^2
Cable entry:	From top or bottom with cable gland M20 x 1.5 mm or from the back with rubber
PERMANENT BEACON	
Voltage:	12-230 V AC/DC
red	**890 100 00**
green	**890 200 00**
yellow	**890 300 00**
clear	**890 400 00**
blue	**890 500 00**
Further colours and voltages on request.	

ACCESSORIES: SEE NEXT PAGE

Signalization index	
Permanent Light	4

450 g | IP65 | +50°C -30°C

890 Permanent/Traffic Light Beacon



Beacon 890 in combination with Multi-Tone Sounder 190 (see page 137)



The adaptor (accessory) allows quick and simple mounting on a tube (Ø 75 mm)

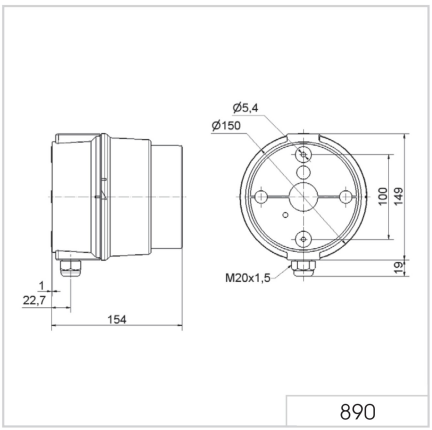
ACCESSORIES:

FIXING BRACKET	
Fixing bracket for one beacon	**975 890 33**
Fixing bracket for two beacons	**975 890 34**
Fixing bracket for three beacons	**975 890 35**
Fixing bracket for four beacons	**975 890 37**
Mounting material and connecting grommet included in assembly. Further information can be found on page 142.	
CONNECTING GROMMET	
Connecting grommet for traffic light combinations	**975 890 25**
REFLECTOR	
Additional reflector for 890 X00 00	**975 890 02**
ADAPTER	
Tube adapter	**975 890 36**
BULBS	
LED bulb premium E27, 24 V	**956 X20 75**
LED bulb premium E27, 115 V	**956 X20 67**
LED bulb premium E27, 230 V	**956 X20 68**
For colours see page 143	
LED Bulb E27, 115 V AC, white	**956 050 67**
LED Bulb E27, 230 V AC, white	**956 050 68**
LED Bulb E27, 12-24 V AC/AC, white	**956 050 75**
ADHESIVE STICKERS:	
→	**975 890 52**
STOP	**975 890 53**
START	**975 890 54**
↯	**975 890 64**
✋	**975 890 65**



890 with adhesive sticker (accessory)

TECHNICAL DIAGRAM:



897 Xenon Double Flash Beacon





TECHNICAL SPECIFICATIONS/ORDER SPECIFICATIONS:

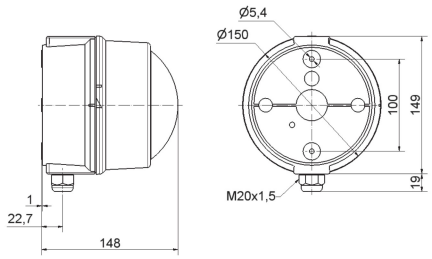
Dimensions (Ø x Height):	150 mm x 148 mm	
Housing:	PC/ABS-Blend, grey	
Lens:	PC, transparent	
Fixing:	Base mounting, tube mounting and fixing bracket (accessory)	
Cable entry:	From top or bottom with cable gland M20 x 1.5 mm or from the back with rubber grommet Ø 6-12 mm	
Connection:	Screw terminal, max. 2.5 mm^2	
Flash frequency:	1 Hz	
Flash energy:	15 Ws	
Life duration:	4 x 10^6 flashes	
Voltage:	24 V DC	230 V AC
Current consumption:	700 mA	200 mA
red	**897 100 55**	**897 100 68**
yellow	**897 300 55**	**897 300 68**

Further colours and voltages on request.

ACCESSORIES:

Fixing bracket, adhesive stickers see Permanent/Traffic Light Beacon 890 (page 140).

TECHNICAL DIAGRAM:



897

Signalization index
Xenon Flashing Light 9

890 Fixing bracket for 890/190



Fixing bracket for
(LED) Beacons 890
and Multi-Tone Sounder 190



The fixing bracket can be mounted
pointing inwards or outwards

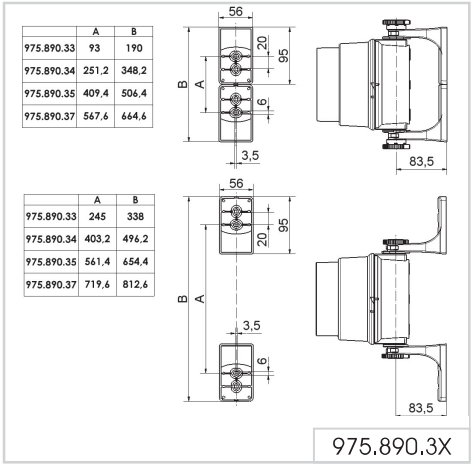
ⓘ TECHNICAL SPECIFICATIONS/ORDER SPECIFICATIONS:

Material Fixing bracket:	PC/ABS-Blend, grey
Material Connecting Grommet:	PA 6.6
Assembly:	Fixing bracket with mounting material and connecting grommet
Suitable for:	LED Beacon/LED Traffic Light 890 Permanent/Traffic Light Beacon 890 Multi-Tone Sounder 190
Fixing bracket for one beacon	**975 890 33**
Fixing bracket for two beacons	**975 890 34**
Fixing bracket for three beacons	**975 890 35**
Fixing bracket for four beacons	**975 890 37**

↔ TECHNICAL DIAGRAM:

	A	B
975.890.33	93	190
975.890.34	251,2	348,2
975.890.35	409,4	506,4
975.890.37	567,6	664,6

	A	B
975.890.33	245	338
975.890.34	403,2	496,2
975.890.35	561,4	654,4
975.890.37	719,6	812,6



1 tier 158 g | 2 tier 175 g | 3 tier 195 g | 4 tier 215 g | IP65 | +50°C -20°C

956 LED Bulb E27 premium





Suitable for use in
Permanent/Traffic Light
Beacons 890 (see page 139)

ⓘ TECHNICAL SPECIFICATIONS/ORDER SPECIFICATIONS:			
Socket:	E27		
For use with:	890, 895		
Slight deviatons in the form of the bulbs are possible.			
Voltage:	24 V AC/DC	115 V AC	230 V AC
Current consumption:	≤ 20 mA	≤ 30 mA	≤ 20 mA
red	**956 120 75**	**956 120 67**	**956 120 68**
green	**956 220 75**	**956 220 67**	**956 220 68**
yellow	**956 320 75**	**956 320 67**	**956 320 68**

