Traffic Lights - 890/895/897/894

Your benefits

Signal lights and traffic lights from the 890/895/897/494 range provide reliable signalling, both as single lights or as combined signalling lights.

Modular traffic lights 890 and multi-tone sounder 190:

- Cost-effective LED traffic light with clear lenses
- Easy installation in just a few steps and with any combination of 4 lights

Multi-colour variant 890 (RGY):

- Drastic reduction in number of variants by combining three light colours in a single product – Ideal where space is restricted
- Additional high-output audible signalling of up to 110 dB(A) available in combination with multi-tone sounder/vocal alarm 190

Compact LED traffic light 894 for extreme ambient conditions:

- With high IP65/IP69K protection rating for use in extremely harsh conditions

Typical applications

- Garages and car parks
- Access control or buildings
- Traffic regulation on construction sites
- Signalling for loading bays
- Car washes/washing areas

Installation options

Modular traffic light 890:

- Direct mounting or bracket mounting of up to 4 lights with fixing bracket

Compact LED traffic light 894:

- Wall mounting and tube mounting with additional adapter

Features

190 Vocal Alarm:

- The vocal alarm enables the high-output playback of spoken messages, music and tones provided in mp3 format

Size comparison Midi/Traffic Lights

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 mm^2
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.
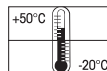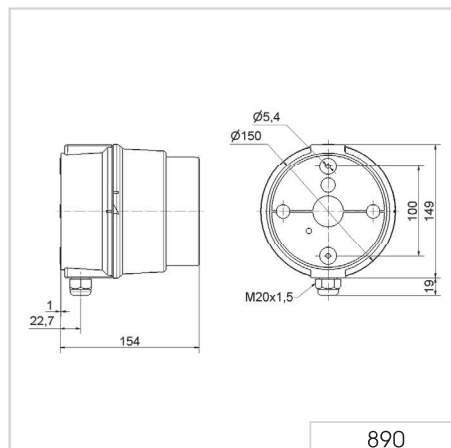Further information can be found on page 144.

CONNECTING GROMMET

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

! ADDITIONAL INFORMATION:

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

↔ TECHNICAL DIAGRAM:

Ø5,4
Ø150
Ø150
100
149
19
M20x1,5
1
22,7
154

890

CE · UKCA · EAC · 490 g · IP65 · +50°C -20°C

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 140
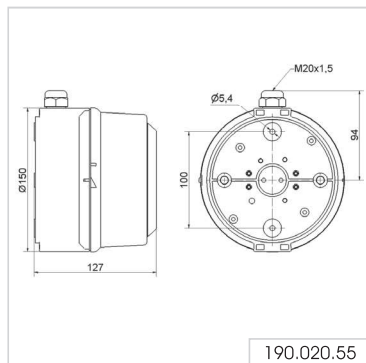### Permanent Beacon 890 see page 143

⚒ ACCESSORIES:

Fixing bracket, tube adaptor and connecting grommet see page 144

♫ TONE TYPES AND FREQUENCIES:

Selectable via DIP switch, see tone table on page 180.

↔ TECHNICAL DIAGRAM:

190.020.55
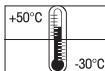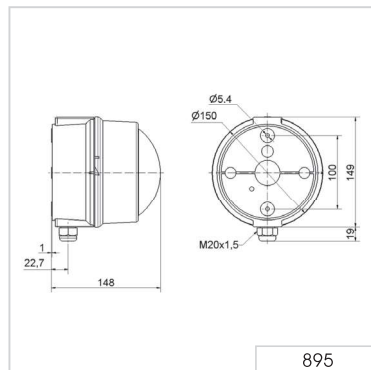
CE · UKCA · EAC · 969 g · IP65 · +50°C -30°C · (A) 110 dB · 32 ♫ · PLC

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 144).

↔ TECHNICAL DIAGRAM:

Ø5.4
Ø150
100
149
19
M20x1,5
1
22,7
148

895

CE   UK CA   EAC   400 g   IP65   +50°C / -30°C

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

CE   UKCA   EAC   450 g   IP65   +50°C / -30°C

143

Beacon 890 in combination
with Multi-Tone Sounder 190
(see page 141)

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 146.

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 147	
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**

↔ TECHNICAL DIAGRAM:

START BETRIEB ZUTRITT
STOP STÖRUNG KEIN ZUTRITT

890 with adhesive sticker
(accessory)

890
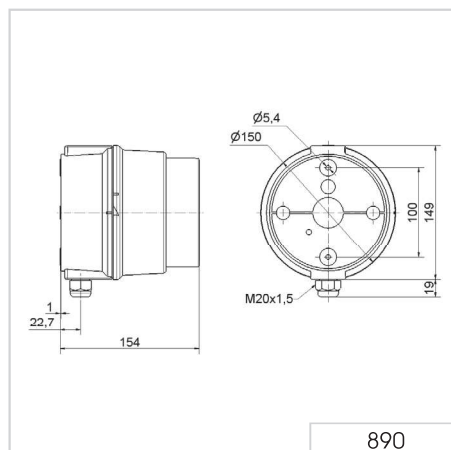
897 Xenon Double Flash Beacon

ⓘ 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 144).

↔ TECHNICAL DIAGRAM:

Ø5,4
Ø150
Ø100
149
19
M20x1,5
1
22,7
148

897

CE   UK CA   EAC   400 g   IP65   +50°C -30°C   15 Ws

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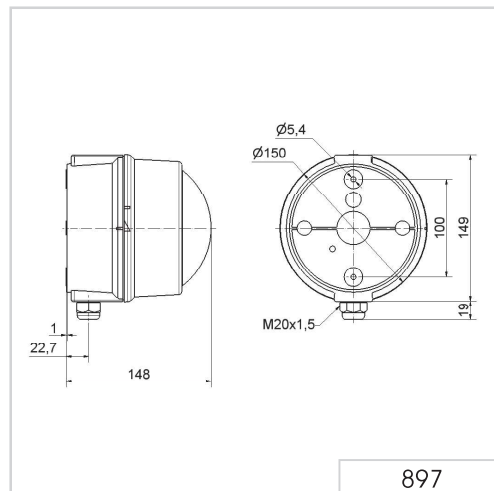
Fixing bracket for
(LED) Beacons 890
and Multi-Tone Sounder 190

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

56 20 95 6 3,5 B A 83,5

56 20 95 3,5 6 B A 83,5

975.890.3X
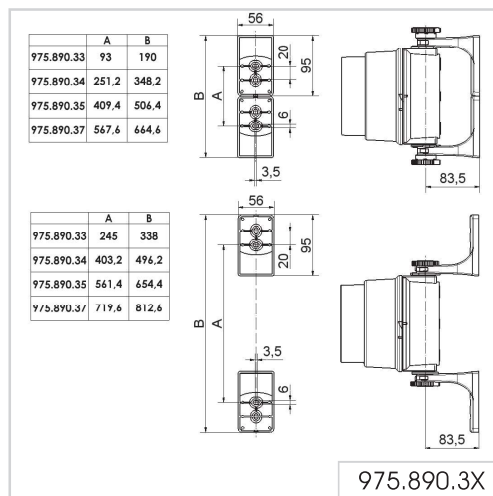
1 tier	2 tier	3 tier	4 tier		
158 g	175 g	195 g	215 g	IP65	+50°C -20°C

956 LED Bulb E27 premium

Suitable for use in
Permanent/Traffic Light
Beacons 890 (see page 143)

ⓘ 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**

CE   UK CA   28 g   +50°C / -20°C

894 LED Traffic Light (IP69k)

LED Traffic Light (3 tier)

The direction of the optical signal can be individually adjusted

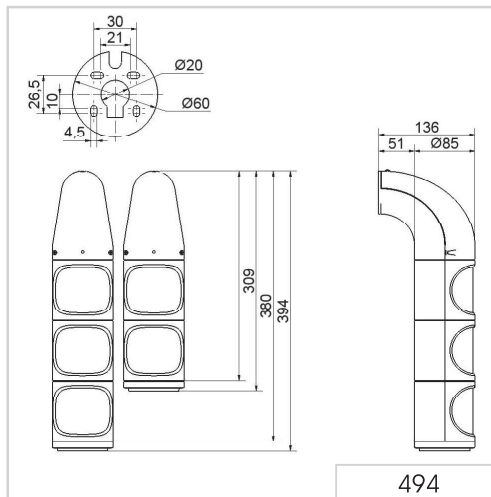Clear lenses ensure effective signalling even in direct sunlight

ⓘ TECHNICAL SPECIFICATIONS/ORDER SPECIFICATIONS:

Dimensions (Ø x Height):	2 tier: 85 mm x 309 mm x 136 mm	
	3 tier: 85 mm x 394 mm x 136 mm	
Housing:	PC/ABS, grey	
Lens:	PC, transparent	
Fixing:	Wall mounting, tube mounting (accessory)	
Cable entry:	Cable diameter max. 13 mm	
Connection:	Screw terminal 0.5 - 1.5 mm^2	
Installation position:	Vertical/hanging	
Duty cycle:	100 %	
Life duration:	Up to 50,000 hrs	
Voltage:	24 V DC	115-230 V AC
Current consumption:	60 mA (red/yellow)	30 mA per tier
	120 mA (green)	at 230 V/50 Hz
red/green	**894 160 55**	**894 160 68**
red/yellow/green	**894 180 55**	**894 180 68**

⚒ ACCESSORIES:

Fixing bracket underneath	**975 894 01**

↔ TECHNICAL DIAGRAM:

2 tier   3 tier

   380 g 410 g IP65/IP69k +50°C -30°C
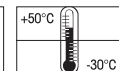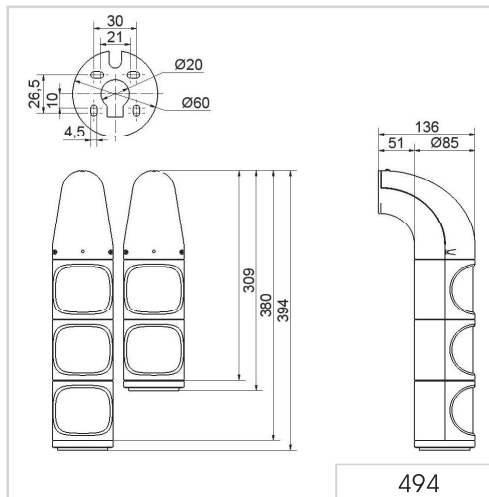
894 LED Traffic Light (IP69k)

The direction of the optical signal can be individually adjusted

ⓘ TECHNICAL SPECIFICATIONS/ORDER SPECIFICATIONS:

Dimensions (Ø x Height):	2 tier: 85 mm x 309 mm x 136 mm	
	3 tier: 85 mm x 394 mm x 136 mm	
Housing:	PC/ABS, grey	
Lens:	PC, transparent	
Fixing:	Wall mounting, tube mounting (accessory)	
Cable entry:	Cable diameter max. 13 mm	
Connection:	Screw terminal 0.5 - 1.5 mm^2	
Installation position:	Vertical/hanging	
Duty cycle:	100 %	
Life duration:	Up to 50,000 hrs	
Voltage:	24 V DC	115-230 V AC
Current consumption:	60 mA (red/yellow)	30 mA per tier at 230 V/50 Hz
red/green	**894 060 55**	**894 060 68**
red/yellow/green	**894 080 55**	**894 080 68**

↔ TECHNICAL DIAGRAM:

30
21
Ø20
Ø60
26.5
10
4.5

136
51
Ø85

309
380
394

494

2 tier   3 tier

CE   UKCA   EAC   380 g   410 g   IP65/IP69k   +50°C   -30°C