

NEW

Optical Signal Devices – Free-standing Beacons

<p>853 LED Permanent Beacon</p>  <ul style="list-style-type: none"> • Quadratic form • Possibility of traffic light combinations <p>Page 119</p>	<p>853 LED Double Flash Beacon</p>  <ul style="list-style-type: none"> • Intense double flash with low power consumption • Quadratic form <p>Page 136</p>	<p>853 LED EVS Beacon</p>  <ul style="list-style-type: none"> • Attention-grabbing flickering light • Extremely powerful signal effect • Quadratic form <p>Page 137</p>	<p>829 LED Double Flash Beacon</p>  <ul style="list-style-type: none"> • Intense double flash with low power consumption • Extremely high light intensity <p>Page 142</p>	<p>829 LED EVS Beacon</p>  <ul style="list-style-type: none"> • Attention-grabbing flickering light • Extremely powerful signal effect <p>Page 143</p>
<p>829 LED Rotating Beacon</p>  <ul style="list-style-type: none"> • Intense rotating signal effect • Wear-free LED technology <p>Page 153</p>	<p>280 LED Double Flash Beacon</p>  <ul style="list-style-type: none"> • Intense double flash with low power consumption • Extremely high light intensity <p>Page 146</p>	<p>280 LED EVS Beacon</p>  <ul style="list-style-type: none"> • Attention-grabbing flickering light • Extremely powerful signal effect <p>Page 147</p>	<p>281 LED Obstruction Light</p>  <ul style="list-style-type: none"> • LED Obstruction Light with robust glass/metal housing • Salt water resistant <p>Page 130</p>	<p>Adaptor for tube mounting (Accessory)</p>  <ul style="list-style-type: none"> • Suitable for (LED) Beacons 280, 838, 883 and 884 <p>Page 127 onwards</p>

Optical-Audible Signal Devices

Audible Signal Devices

<p>444 LED EVS Beacon/ Multi-Tone Sounder Combination</p>  <ul style="list-style-type: none"> • Sound output: 114 dB • 32 different tones <p>Page 191</p>	<p>(LED) Beacon 890/ Multi-Tone Sounder 190 Combination</p>  <ul style="list-style-type: none"> • Sound output: 110 dB • 32 different tones <p>Page 195</p>	<p>Adaptor for tube mounting (Accessory)</p>  <ul style="list-style-type: none"> • Suitable for 420 and 421 Combinations <p>Page 174 onwards</p>	<p>190 Multi-Tone Sounder</p>  <ul style="list-style-type: none"> • Sound output: 110 dB • 32 different tones <p>Page 228</p>	<p>Adaptor for tube mounting (Accessory)</p>  <ul style="list-style-type: none"> • Suitable for Buzzer 127 and Multi-Tone Sounder 133 <p>Page 212 + 216</p>
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Ex Signal Devices

Further information

<p>782 Ex LED Permanent Beacon</p>  <ul style="list-style-type: none"> • Suitable for use in Zone 1 and 2 (gas) and Zone 21 and 22 (dust) <p>Page 254</p>	<p>782 Ex LED Rotating Beacon</p>  <ul style="list-style-type: none"> • Suitable for use in Zone 1 and 2 (gas) and Zone 21 and 22 (dust) <p>Page 256</p>
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The technical information, order specifications and accessories for our new products can be found on the relevant **product page**.

The **technical diagrams** of our new products are in the "Technical diagrams" section from page 264 onwards.

You are welcome to request the technical diagrams in digital form. The relevant **3D models**, **instruction leaflets** and **connection diagrams** can be obtained from us or downloaded from our homepage at any time.

The **sounds** of the audible and optical-audible signal devices can be played from our website www.werma.com.



Award-winning design

Forging good design and helping customers stand out from the competition



Competition in our globalised world is **becoming harsher** by the day whilst products are becoming increasingly interchangeable and trends short-lived. To stand out from the competition and win both new business and customer loyalty, companies must deliver more than just low prices.

A product's appearance is its calling card because it reveals a lot about **performance** and **quality**.

This is where WERMA Signaltechnik can assist you: by forging **good design** to suit your application and thus making you **unique in your customers' minds**.

Design and function must be right – from the very start



From the outset, we ensure that only select and **high-quality materials** are employed to guarantee that our products operate safely and reliably.

WERMA signal devices need to **stand out**. At the same time, they must blend into the background when non-operational. We therefore carefully create **optimum light and perfect sound** in all WERMA products – and dedicate considerable effort to making them look good.



Christian Höhler, WERMA R + D Director explains: "**Aesthetics and quality** are important. Both must enhance the products' **signalling function** in the best way possible! To this end, we frequently work with **external designers**. These designers ensure that WERMA products look attractive. Our engineers are then responsible for creating **the highest level of functionality**.

In this way we create an attractive form for the best possible signalling performance. We want our customers to benefit from their WERMA signal devices for a long time to come!"

Harmonised machine design – with signal solutions by WERMA



Do you want a harmonious look for your machine? Then talk to us.

WERMA provides

- **signal solutions** that will **fit flush to the surface** or
- that are produced in the **pattern** or
- **colour of your choice**.

The FlatSIGN LED signal tower can be produced to your own design (Page 71) and the KombiSIGN signal tower ordered in the colour of your choice (Page 33 + 52). By creating a **unique design** your machines will become an unmistakable brand with a high level of recognition.

NEW

WERMA designer products provide many benefits

WERMA signal devices are attractive in design. In our opinion, good design means that:

- WERMA products are **aesthetically pleasing and innovative**
- **Designs for all tastes** are available to ensure our customers are in line with current trends
- WERMA signal devices are **ergonomic and function reliably**

Customers benefit from a product that:

- is perfectly suited to their application
- either **blends into the background** or **purposely stands out**
- works perfectly and looks fantastic

The end result is a high-quality housing combined with the best of signalling functions for your machine – all designed to **increase the quality and reliability** of your application.



Award-winning design by WERMA

Experts regularly assess the design quality of WERMA products. Products that meet the strict requirements are awarded the most highly-regarded **design prizes** from all over the world:

LED Signal Tower deSIGN 42




Rotating Mirror Beacon 885




424/425 Combination




444 Combination




LED Traffic Light 894




LED Signal Tower VarioSIGN 690


