



# R

Series R — The LED  
Design Powerhouse

**Aer Signal**

Modular LED beacon series with optional sounder / Unique design language in two lens designs / Outstanding light intensity and highest performance level on the market / Two performance levels: Standard and high performance / Multi-functional, multi-colour and steady-light models / All familiar mounting methods / Metal bracket and new designer bracket / Easy wiring thanks to intelligent features



IP66



IK08



60°C  
-30°C



EAC  
(pend)

# Power & Beauty

2

lens designs





The new R series from Auer Signal is not only the brightest LED light in its category, it also boasts an unbelievable range of functions and its simple series concept.

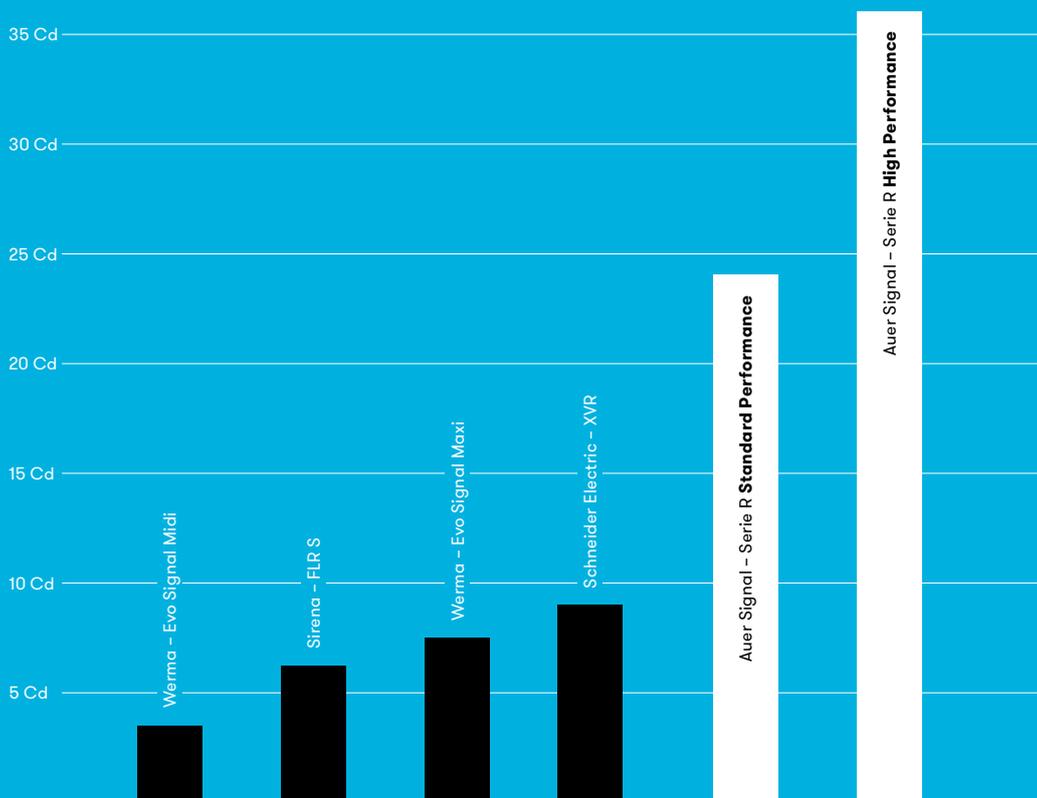
The R series has a diameter of 110 mm and, in the high-lens version, is designed for maximum lateral signal effect. The clarity of the lens makes the individual LED dots stand out, which enhances the signal effect as well as the ribbing on the inside. The R series is available in six colours with several functions and two performance classes.

The lens of the compact version of the R series is milky-white and provides a beautiful, homogeneous lighting pattern. If you are looking for a beacon for indoor use with an impressive, beautiful product design and functional diversity, the compact version of the R series is the right choice.

# Made to perform

## The brightest LED-Single Beacon in the Market

### THE SERIES R IN COMPARISON \*



Series R is 4-7 times brighter than comparable beacons

### THE COMPACT SERIES R IN COMPARISON \*\*



\* All values are circumferentially averaged, lateral measurements of brightness using the steady-light function. The beacons had reached temperature stability before they were measured. The comparison is based on the colour red.

\*\* All values are axial measurements of steady light. The beacons had reached temperature stability before they were measured. The comparison is based on the colour red from the multi-colour beacon.

The intelligent ribbing of the lens reinforces the already high luminosity of the R series.



# 2 in 1

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## 2 performance levels with just 1 design

Before LED technology, signal beacons with a brightness of the R series had to be larger because of the heat generated in the lens. Some suppliers are still making beacons of different sizes today to give an indication of the luminosity.

The high energy efficiency of the LED technology allows us to take a new path and offer the R series in just one size but in two performance classes

### Standard Performance

6 x 6  
LEDS

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### High Performance

12 x 6  
LEDS

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In the high-performance version, the R series is the brightest signal beacon on the market and guarantees the highest level of safety through its very strong signal effect.

# One Beacon all Functions

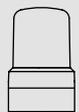
The R series is available as a steady-light model, multi-functional model and multi-colour model.

The compact R series is only available in a milky lens and standard performance as a multi-functional and multi-colour model



## Multi-functional model

An all-rounder – the multi-functional module can display the functions steady light, strobe light, flashing light, rotating light as well as pulsating light.

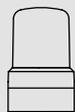


HIGH PERFORMANCE

12 x 6 LEDs

28 functions

The high-performance module is only available in the high-lens version



STANDARD

6 x 6 LEDs

28 functions



STANDARD

1 x 12/24 LEDs  
(depends on colour)

6 functions

The functions are adjustable with a four-pole terminal. Seven different modes can be selected externally. With the DIP switch, four additional function groups can be selected, and a total of 28 different modes are available.

On both the standard and the high-performance model of the high lens, you can reduce the luminosity to **50% and 25%**.

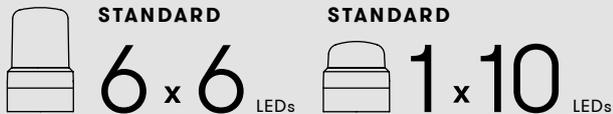


### Multi-colour model

In the LED multi-colour module, seven colours can be controlled externally: Red, yellow, green, blue, clear, magenta and turquoise.

### Steady-light model

The LED steady-light module is the best choice for standard applications. Our standard steady light is only available from other suppliers as an expensive high-performance module.



The standard-performance multi-colour model is available for the high and compact lens.

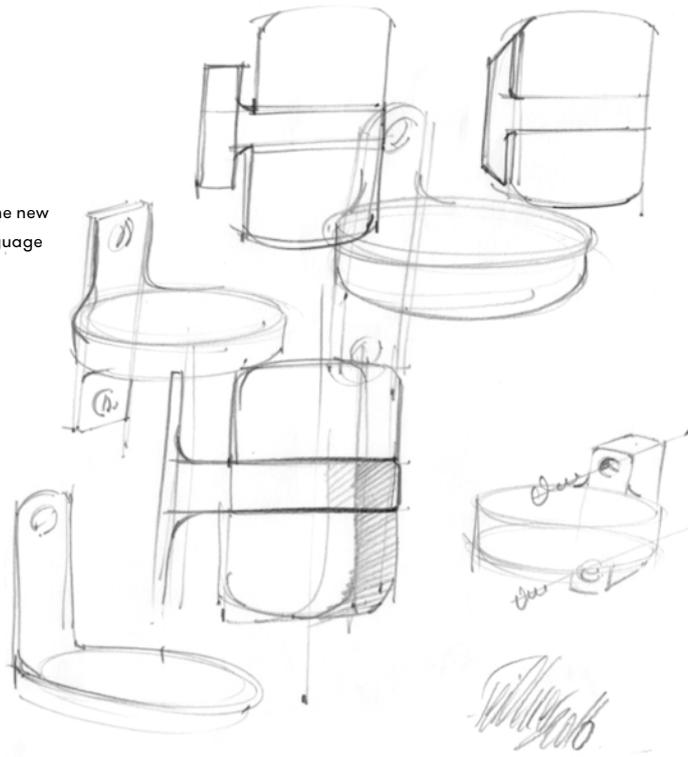
# The Design Beacon



Designer models in the R series

As we feel that high standards are not only necessary in technical matters, we have also developed our own design language for our products.

Sketch of the new  
design language



For the highest  
standards in design  
and functionality.



The designer bracket can also  
be combined with the high-  
lens version of the R series.

In the R series, we have consistently implement-  
ed our specially created product design for the  
first time. Clear lines, maximum reduction and  
harmony characterise our design.

The coloured lenses of our products protrude  
from the base and are no longer screwed over  
the base. This way, we avoid unsightly edges and  
coloured rings over the mostly black base.

To match the new, attractively shaped beacons,  
we have made the matching designer bracket  
out of plastic. In this combination, the R series  
meets the highest aesthetic standards.

# The Sound of Brightness



The audible base is compatible with both lens shapes. You can choose from 32 tones.

The audible base of the R series reaches max. 103 dB at a distance of one metre and is therefore well suited to large halls or outdoor use. The volume can be adjusted with a potentiometer.

**32** TONES

UP TO **103 dB**



Interior view of  
the audible base

The audible base is based on the transducer technology of the ASS-T multi-tone sounder, one of the most popular and effective sounders in our range.

## The Aces of Bases

All versions of the R series are compatible with the three bases (universal, standard and audible). The bases differ in height and offer various mounting options. All bases are easy to mount horizontally. To prevent accidental opening, all bases are equipped with an anti-rotation device.



### UNIVERSAL BASE

In addition to the cable entry grommet on the underside, the higher universal base also has two cable insertions on the sides so that cable glands can be mounted on all sides to cut the strain. This base is very low and makes horizontal mounting possible.

### STANDARD BASE

This base is very low and so horizontal mounting is possible. With this base, the cables are inserted exclusively from below and can be used as strain relief by means of a grommet or cable gland.

# Flexibility through Mounting Options



## **DESIGNER BRACKET**

The designer bracket is what makes the design language fully effective. You can use this bracket with both lens shapes.

In addition to the designer bracket and the horizontal mounting directly on the base, there are also two metal brackets.



## **METAL BRACKET**

The metal bracket designed for the R series is compatible with all bases. There is a separate metal bracket for the audible base, which is slightly larger.

With a three-hole pattern, the brackets allow easy and stable mounting. The bracket can be mounted facing upwards or downwards.

## **UNIVERSAL BASE WITH TUBE MOUNTING**

With the universal base, R beacons can also be mounted on Ø 25mm tubes. An additional model of the universal base allows the mounting of R beacons with NPT conduit tubes.

## Easier cabling thanks to terminal holder

For simpler cabling of the R series, our technicians have equipped the base of the R series with a terminal holder. Here the terminal can be connected before wiring, leaving both hands free for wiring.



View of terminal holder

The small but important differences of the R series



View of terminal holder with terminal inserted



## Flat gasket to protect your machine

In order that you can also mount the R series on switch cabinets or machines without water getting into the interior during installation, there is a special flat gasket for mounting on smooth surfaces.

# Order numbers

## Light modules

Type	12 V DC	24 V AC/DC	48 V AC/DC	24-48 V AC/DC	110-240 V AC	Specification	Product name
RDC	850501004	850501405	850501408		850501313	amber	LED steady beacon
	850502004	850502405	850502408		850502313	red	
	850504004	850504405	850504408		850504313	clear	
	850505004	850505405	850505408		850505313	blue	
	850506004	850506405	850506408		850506313	green	
	850507004	850507405	850507408		850507313	yellow	
RDM	850511004	850511405	850511408		850511313	amber	LED multi-functional beacon
	850512004	850512405	850512408		850512313	red	
	850514004	850514405	850514408		850514313	clear	
	850515004	850515405	850515408		850515313	blue	
	850516004	850516405	850516408		850516313	green	
	850517004	850517405	850517408		850517313	yellow	
RDMHP	850521004	850521405	850521408		850521313	amber	LED high-performance multi-functional beacon
	850522004	850522405	850522408		850522313	red	
	850524004	850524405	850524408		850524313	clear	
	850525004	850525405	850525408		850525313	blue	
	850526004	850526405	850526408		850526313	green	
	850527004	850527405	850527408		850527313	yellow	
RMM	850530004*			850530408	850530313		LED multi-colour beacon
RCDM	850561004*			850561408	850561313	amber	Compact LED multi-functional beacon
	850562004*			850562408	850562313	red	
	850564004*			850564408	850564313	clear	
	850565004*			850565408	850565313	blue	
	850566004*			850566408	850566313	green	
	850567004*			850567408	850567313	yellow	
RCMM	850570004*			850570408	850570313		Compact LED multi-colour beacon

## Bases

Type	Article number	24-48 V AC/DC	110-240 V AC	Product name
RBA		850535408*	850535313*	Audible base for R series beacons
RBL	850500900			Standard base for horizontal mounting of R series beacons
RBH	850510900			Universal base for horizontal and tube mounting of R series beacons
RBNPT	850515900			Universal base for NPT 1/2" conduit mounting of R Series beacons

## Bracket

Type	Article number	Product name
RWD	850520900	Designer bracket for vertical mounting of R series beacons with standard base
RWU	850521900	Metal bracket for vertical mounting of standard and universal bases of R series beacons
RWA	850531900	Metal bracket for vertical mounting of R series audible bases

## Accessories

Type	Article number	Product name
RG1	850590900	Flat gasket for R series bases for sealing onto smooth housings
RG2	850590910	Flat gasket for mounting the RWD designer bracket on walls
AKV	698800026	Cable gland M20 for N/M/R series, CT5, multi-tone sirens A and/or Q beacons
RKV	850590920	Cable gland M16 for R series bases

\*currently not available

# 7 good reasons to choose Auer Signal

**1** We manufacture our products ourselves and in industrial quality.

**2** Our products are only of the highest quality.

**3** Products for all uses: From high-end products to best value.

**4** We design and create taylor-made signalling equipment.

**5** Can be used worldwide: Our signalling equipment meets all industry standards.

**6** We keep our promises

**7** We always deliver on time.

# Auer Signal is one of the world's leading manufacturers of signalling equipment

We are constantly working on new product developments. We have been inspiring our customers with innovation, long-sightedness and consistent quality since 1910. And in order that this stays the case, our motto is like our signal devices: louder & brighter.

Since 1910, we have  
been driven by the will to  
develop technical devices  
that keep getting better.

Auer Signal is a fourth generation, owner-managed company with great ambitions. Trust, consistent and reliable quality are important to us as a family company.



# Louder & Brighter since 1910.

## **HEADQUARTER**

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