

# KS 50 Elements Quick Selection Guide

| STEP 1 - Optical Elements Quick Selection Guide |                          |        |                   |          |
|-------------------------------------------------|--------------------------|--------|-------------------|----------|
| Type of Light                                   | Part Number              | Color  | Operating Voltage | Price    |
| Incandescent Permanent*                         | <a href="#">84610000</a> | Red    | 12-240V AC/DC     | \$23.50  |
|                                                 | <a href="#">84620000</a> | Green  |                   | \$23.50  |
|                                                 | <a href="#">84630000</a> | Yellow |                   | \$23.50  |
|                                                 | <a href="#">84640000</a> | Clear  |                   | \$23.50  |
|                                                 | <a href="#">84650000</a> | Blue   |                   | \$23.50  |
| Bulbs                                           | <a href="#">95584035</a> | Clear  | 24VDC             | \$8.75   |
|                                                 | <a href="#">95584038</a> | Clear  | 230VAC            | \$8.75   |
|                                                 | <a href="#">95584057</a> | Clear  | 115VAC            | \$8.75   |
| LED Permanent                                   | <a href="#">84810055</a> | Red    | 24V AC/DC         | \$76.00  |
|                                                 | <a href="#">84820055</a> | Green  |                   | \$76.00  |
|                                                 | <a href="#">84830055</a> | Yellow |                   | \$76.00  |
|                                                 | <a href="#">84840055</a> | Clear  |                   | \$116.00 |
|                                                 | <a href="#">84850055</a> | Blue   |                   | \$116.00 |
|                                                 | <a href="#">84810067</a> | Red    | 115VAC            | \$88.00  |
|                                                 | <a href="#">84820067</a> | Green  |                   | \$88.00  |
|                                                 | <a href="#">84830067</a> | Yellow |                   | \$88.00  |
|                                                 | <a href="#">84840067</a> | Clear  |                   | \$116.00 |
|                                                 | <a href="#">84850067</a> | Blue   |                   | \$129.00 |
| LED Blinking Light                              | <a href="#">84811075</a> | Red    | 24V AC/DC         | \$76.00  |
|                                                 | <a href="#">84821075</a> | Green  |                   | \$76.00  |
|                                                 | <a href="#">84831075</a> | Yellow |                   | \$76.00  |
|                                                 | <a href="#">84841075</a> | Clear  |                   | \$101.00 |
|                                                 | <a href="#">84851075</a> | Blue   |                   | \$116.00 |
|                                                 | <a href="#">84811067</a> | Red    | 115VAC            | \$88.00  |
|                                                 | <a href="#">84821067</a> | Green  |                   | \$88.00  |
|                                                 | <a href="#">84831067</a> | Yellow |                   | \$88.00  |
|                                                 | <a href="#">84841067</a> | Clear  |                   | \$129.00 |
|                                                 | <a href="#">84851067</a> | Blue   |                   | \$129.00 |
| LED Flashing Light Element                      | <a href="#">84812055</a> | Red    | 24VDC             | \$151.00 |
|                                                 | <a href="#">84822055</a> | Green  |                   | \$175.00 |
|                                                 | <a href="#">84832055</a> | Yellow |                   | \$151.00 |
|                                                 | <a href="#">84842055</a> | Clear  |                   | \$201.00 |
|                                                 | <a href="#">84852055</a> | Blue   |                   | \$201.00 |

\* Note: Bulbs are required for permanent incandescent optical element

| STEP 2 - Audible Elements Quick Selection Guide |                |            |                |                |         |
|-------------------------------------------------|----------------|------------|----------------|----------------|---------|
| Part Number                                     | Description    | Voltage    | Tone Frequency | Maximum Volume | Price   |
| <a href="#">84900075</a>                        | Buzzer element | 24V AC/DC  | 2.1 kHz        | 80dB           | \$64.00 |
| <a href="#">84900077</a>                        |                | 115V AC/DC |                |                | \$67.00 |

| STEP 3 - Terminal Element Quick Selection |                                  |                                             |         |
|-------------------------------------------|----------------------------------|---------------------------------------------|---------|
| Part Number                               | Description                      | Mounting                                    | Price   |
| <a href="#">84500000</a>                  | Screw terminal element for KS 50 | surface, tube, single-hole or bracket mount | \$31.50 |

| STEP 4 - Mounting Options/Accessories Quick Selection |                                                 |         |
|-------------------------------------------------------|-------------------------------------------------|---------|
| Part Number                                           | Description                                     | Price   |
| <a href="#">97584510</a>                              | Anodized tube, 100mm [3.94 in] long             | \$13.50 |
| <a href="#">97584025</a>                              | Anodized tube, 250mm [9.84 in] long             | \$17.00 |
| <a href="#">97584040</a>                              | Anodized tube, 400mm [15.75 in] long            | \$22.50 |
| <a href="#">97584060</a>                              | Anodized tube, 600mm [23.62 in] long            | \$30.00 |
| <a href="#">97584080</a>                              | Anodized tube, 800mm [31.49 in] long            | \$38.50 |
| <a href="#">97584003</a>                              | Anodized tube, 1000mm [39.37 in] long           | \$52.00 |
| <a href="#">97584090</a>                              | Plastic base for 25mm [0.98 in] diameter tube   | \$14.50 |
| <a href="#">97584091</a>                              | Metal base for 25mm [0.98 in] diameter tube     | \$22.50 |
| <a href="#">96000030</a>                              | Foldaway base for 25mm [0.98 in] diameter tube  | \$60.00 |
| <a href="#">97584501</a>                              | Base for surface mounting, includes rubber seal | \$16.50 |
| <a href="#">97584502</a>                              | Bracket for wall mounting                       | \$23.50 |

| STEP 5 - Contact Boxes & Brackets Quick Selection |                                                      |         |
|---------------------------------------------------|------------------------------------------------------|---------|
| Part Number                                       | Description                                          | Price   |
| <a href="#">97584001</a>                          | Contact box with side exit cable                     | \$20.00 |
| <a href="#">97584004</a>                          | Contact box with magnetic base and side exit cable   | \$55.00 |
| <a href="#">96000014</a>                          | Bracket for base mounting with concealed cable entry | \$22.00 |
| <a href="#">96000001</a>                          | Bracket for base mounting                            | \$18.00 |



KS 50 LED  
Light Element

# KS 50 Optical Elements Specifications

| KS 50 Optical Elements Technical Specifications |        |                     |                              |                                      |                                                   |                  |                                   |                |                  |                  |               |  |
|-------------------------------------------------|--------|---------------------|------------------------------|--------------------------------------|---------------------------------------------------|------------------|-----------------------------------|----------------|------------------|------------------|---------------|--|
| Part Number                                     | Color  | Drawing Link        | Description                  | Operating Voltage                    | Current Consumption                               | Starting Current | Operating Temp/ Protection        | Life Duration  | Flash Frequency  | Housing Material | Weight g [oz] |  |
| <a href="#">84610000</a>                        | Red    | <a href="#">PDF</a> | Incandescent Permanent Light | 12-240V AC/DC (bulb sold separately) | Depends on bulb selection. (bulb sold separately) | -                | -20 to 50°C [-4 to 122°F]<br>IP54 | up to 5,000h   | -                | Polycarbonate    | 40 [1.41]     |  |
| <a href="#">84620000</a>                        | Green  | <a href="#">PDF</a> |                              |                                      |                                                   |                  |                                   |                |                  |                  |               |  |
| <a href="#">84630000</a>                        | Yellow | <a href="#">PDF</a> |                              |                                      |                                                   |                  |                                   |                |                  |                  |               |  |
| <a href="#">84640000</a>                        | Clear  | <a href="#">PDF</a> |                              |                                      |                                                   |                  |                                   |                |                  |                  |               |  |
| <a href="#">84650000</a>                        | Blue   | <a href="#">PDF</a> |                              |                                      |                                                   |                  |                                   |                |                  |                  |               |  |
| <a href="#">84810055</a>                        | Red    | <a href="#">PDF</a> | LED Permanent Light Element  | 24V AC/DC                            | max. 45mA                                         | max. 500mA       | -20 to 50°C [-4 to 122°F]<br>IP54 | up to 100,000h | -                | Polycarbonate    | 45 [1.59]     |  |
| <a href="#">84820055</a>                        | Green  | <a href="#">PDF</a> |                              |                                      |                                                   |                  |                                   |                |                  |                  |               |  |
| <a href="#">84830055</a>                        | Yellow | <a href="#">PDF</a> |                              |                                      |                                                   |                  |                                   |                |                  |                  |               |  |
| <a href="#">84840055</a>                        | Clear  | <a href="#">PDF</a> |                              |                                      |                                                   |                  |                                   |                |                  |                  |               |  |
| <a href="#">84850055</a>                        | Blue   | <a href="#">PDF</a> |                              |                                      |                                                   |                  |                                   |                |                  |                  |               |  |
| <a href="#">84810067</a>                        | Red    | <a href="#">PDF</a> |                              | 115VAC                               | max. 25mA                                         | -                | -20 to 50°C [-4 to 122°F]<br>IP54 | up to 100,000h | -                | Polycarbonate    | 45 [1.59]     |  |
| <a href="#">84820067</a>                        | Green  | <a href="#">PDF</a> |                              |                                      |                                                   |                  |                                   |                |                  |                  |               |  |
| <a href="#">84830067</a>                        | Yellow | <a href="#">PDF</a> |                              |                                      |                                                   |                  |                                   |                |                  |                  |               |  |
| <a href="#">84840067</a>                        | Clear  | <a href="#">PDF</a> |                              |                                      |                                                   |                  |                                   |                |                  |                  |               |  |
| <a href="#">84850067</a>                        | Blue   | <a href="#">PDF</a> |                              |                                      |                                                   |                  |                                   |                |                  |                  |               |  |
| <a href="#">84811075</a>                        | Red    | <a href="#">PDF</a> | LED Blinking Light Element   | 24V AC/DC                            | max. 25mA                                         | max. 500mA       | -20 to 50°C [-4 to 122°F]<br>IP54 | up to 100,000h | 1Hz on for 550ms | Polycarbonate    | 45 [1.59]     |  |
| <a href="#">84821075</a>                        | Green  | <a href="#">PDF</a> |                              |                                      |                                                   |                  |                                   |                |                  |                  |               |  |
| <a href="#">84831075</a>                        | Yellow | <a href="#">PDF</a> |                              |                                      |                                                   |                  |                                   |                |                  |                  |               |  |
| <a href="#">84841075</a>                        | Clear  | <a href="#">PDF</a> |                              |                                      |                                                   |                  |                                   |                |                  |                  |               |  |
| <a href="#">84851075</a>                        | Blue   | <a href="#">PDF</a> |                              |                                      |                                                   |                  |                                   |                |                  |                  |               |  |
| <a href="#">84811067</a>                        | Red    | <a href="#">PDF</a> |                              | 115VAC                               | max. 25mA                                         | -                | -20 to 50°C [-4 to 122°F]<br>IP54 | up to 100,000h | 1Hz on for 550ms | Polycarbonate    | 45 [1.59]     |  |
| <a href="#">84821067</a>                        | Green  | <a href="#">PDF</a> |                              |                                      |                                                   |                  |                                   |                |                  |                  |               |  |
| <a href="#">84831067</a>                        | Yellow | <a href="#">PDF</a> |                              |                                      |                                                   |                  |                                   |                |                  |                  |               |  |
| <a href="#">84841067</a>                        | Clear  | <a href="#">PDF</a> |                              |                                      |                                                   |                  |                                   |                |                  |                  |               |  |
| <a href="#">84851067</a>                        | Blue   | <a href="#">PDF</a> |                              |                                      |                                                   |                  |                                   |                |                  |                  |               |  |
| <a href="#">84812055</a>                        | Red    | <a href="#">PDF</a> | LED Flashing Light Element   | 24VDC                                | 45mA                                              | max. 500mA       | -20 to 50°C [-4 to 122°F]<br>IP54 | up to 50,000h  | 1Hz on for 10ms  | Polycarbonate    | 56 [1.98]     |  |
| <a href="#">84822055</a>                        | Green  | <a href="#">PDF</a> |                              |                                      | 40mA                                              |                  |                                   |                |                  |                  |               |  |
| <a href="#">84832055</a>                        | Yellow | <a href="#">PDF</a> |                              |                                      | 45mA                                              |                  |                                   |                |                  |                  |               |  |
| <a href="#">84842055</a>                        | Clear  | <a href="#">PDF</a> |                              |                                      | 40mA                                              |                  |                                   |                |                  |                  |               |  |
| <a href="#">84852055</a>                        | Blue   | <a href="#">PDF</a> |                              |                                      | 40mA                                              |                  |                                   |                |                  |                  |               |  |



**KS 50 Incandescent Permanent Light Element**



| Bulbs for Incandescent Permanent Optical Element |                                                  |         |         |               |
|--------------------------------------------------|--------------------------------------------------|---------|---------|---------------|
| Part Number                                      | Description                                      | Wattage | Voltage | Life Duration |
| <a href="#">95584035</a>                         | Bulb for Incandescent Light BA15d Bayonet Socket | 5W      | 24VDC   | up to 5,000h  |
| <a href="#">95584038</a>                         |                                                  |         | 230VAC  |               |
| <a href="#">95584057</a>                         |                                                  |         | 115VAC  |               |

# Configuring Your KombiSIGN 50 Stack Light

## STEP 1

Select the required optical elements for your application



### **Optical Signal Elements**

- Incandescent Permanent Light
- LED Permanent Light
- LED Blinking Light
- LED Flashing Light

### **Audible Signal Elements**

- Buzzer Element

## STEP 2

Select the optional audible element for your application

## STEP 3

Select the terminal element for your mounting option (includes cap)



Terminal element for surface, tube, single hole and bracket mounting

Order no.  
[84500000](#)

### Base/Bracket Mounting

### Tube Mounting

## STEP 4

Select the appropriate mounting option and accessories



Bracket for wall mounting

Order no.  
[97584502](#)



Base for surface mounting, includes rubber seal

Order no.  
[97584501](#)

Tube Ø 25mm, all anodized  
Order no.  
100 mm long [97584510](#)  
250 mm long [97584025](#)  
400 mm long [97584040](#)  
600 mm long [97584060](#)  
800 mm long [97584080](#)  
1000 mm long [97584003](#)

Base for Tube, plastic  
Order no. [97584090](#)

Base for Tube, metal  
Order no. [97584091](#)

Foldaway Base  
Order no. [96000030](#)



## STEP 5

Where appropriate, select the bracket and the contact box



Contact box with side cable exit  
Order no. [97584001](#)



Contact box with magnetic base and side cable exit  
Order no. [97584004](#)



Bracket for base mounting with concealed cable entry  
Order no. [96000014](#)



Bracket for base mounting  
Order no. [96000001](#)

# Werma Modular Stack Lights Overview



# WERMA

S I G N A L T E C H N I K

## Description

WERMA's modular stack light system offers total choice and flexibility as it allows for a completely free combination of optical and audible signal elements. The bayonet mechanism allows elements to be mechanically and electrically connected within seconds.

This means that elements can be safely and easily changed (contact-voltage proof) without the need for tools.

Typical product applications include; machine tools, packaging machines, conveyor systems, printing machines, loading docks, retail centers (check outs), queuing indicators for theme parks, and more.

## Product highlights:

- Signal elements in common voltages (24V DC and 115V AC)
- Modular system allows combination as required
- Two different sizes (70 and 50 mm diameter)
- Five colors available
- Wide range of audible elements
- Diverse and flexible solutions

## Simple assembly with bayonet mechanism

- Simple mounting and removal of the elements
- New combinations at the twist of a hand
- Tool-free bulb change
- Position marks to guide alignment



# Werma Stack Lights Family Overview

## KombiSIGN 71

Modular IP65-rated stack light system with 70 mm diameter for use in standard applications.

KS 71 stack lights are available in 5 colors and multiple light effects (permanent, blinking, rotating, flashing). Multiple light sources (incandescent, LED, Xenon tube) and a wide variety of mountings are available. Combine up to 5 elements per terminal. Various terminal design choices are available as well as multiple voltages and audible elements up to 105 dB.

### KS 71 Terminal Elements



Screw terminals



CAGE CLAMP® terminals

## KombiSIGN 50

Modular IP54-rated stack light system with 50 mm diameter for use on smaller machines.

KS 50 stack lights are available in 5 colors with either permanent or blinking light effects in multiple voltages. A choice of incandescent or LED light sources is available as well as an 80 dB audible element. Elements can be combined in a variety of mountings, up to 4 elements per mounting for 360° of visibility.

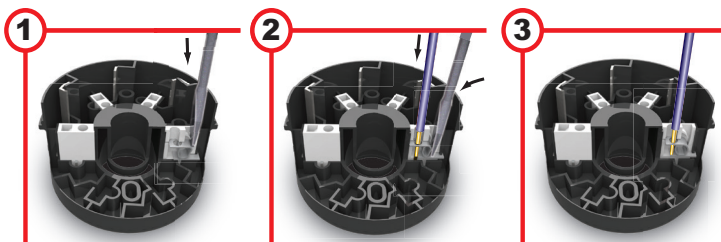
### KS 50 Terminal Element



Screw terminal

## Safe and Efficient Connection Thanks to CAGE CLAMP® Technology

Terminal elements with CAGE CLAMP® technology enable leads to be quickly and easily wired, guaranteeing a secure and reliable contact.



Insert screwdriver at a slight angle into opening as far as possible.

Open spring-loaded clamp with the help of the screwdriver and insert wire as far as possible.

Remove screwdriver - the wire is firmly clamped.

CAGE CLAMP® is a registered trademark of WAGO Kontakttechnik GmbH.