For the latest prices, please check AutomationDirect.com.

KS 71 Elements Quick Selection Guide

STEP 1 - Optical Elements Quick Selection Guide

Type of Light	Part Number	Color		Operating Voltage	Price	Type of Light	Part Number	Color		Operating Voltage	Price
Incandescent Permanent*	64110000		Red	Depends on bulb selection (bulb sold separately)	$24.00	Xenon Flashing Light	64310055		Red	24VDC	$115.00
	64120000		Green		$24.00		64320055		Green		$115.00
	64130000		Yellow		$24.00		64330055		Yellow		$115.00
	64140000		Clear		$24.00		64340055		Clear		$115.00
	64150000		Blue		$24.00		64350055		Blue		$115.00
Incandescent Bulbs	95584035		Clear	24V AC/DC	$8.75		64310067		Red	115VAC	$100.00
	95584038			230VAC	$8.75		64320067		Green		$100.00
	95584057			115V AC/DC	$8.75		64330067		Yellow		$100.00
							64340067		Clear		$100.00
LED Permanent	64410075		Red	24V AC/DC	$58.00		64350067		Blue		$100.00
	64420075		Green		$58.00	LED Blinking Light	64411075		Red	24V AC/DC	$77.00
	64430075		Yellow		$58.00		64421075		Green		$77.00
	64440075		Clear		$89.00		64431075		Yellow		$77.00
	64450075		Blue		$89.00		64441075		Clear		$101.00
	64445055**		Multi	24VDC	$233.00		64451075		Blue		$101.00
	64410067		Red	115VAC	$69.00		64411067		Red	115VAC	$80.00
	64420067		Green		$69.00		64421067		Green		$80.00
	64430067		Yellow		$69.00		64431067		Yellow		$80.00
	64440067		Clear		$101.00		64441067		Clear		$112.00
	64450067		Blue		$101.00		64451067		Blue		$112.00
LED Flashing Light	64412055		Red	24VDC	$140.00	LED Rotating Light	64413075		Red	24V AC/DC	$129.00
	64422055		Green		$140.00		64423075		Green		$129.00
	64432055		Yellow		$140.00		64433075		Yellow		$129.00
	64442055		Clear		$219.00		64443075		Clear		$199.00
	64452055		Blue		$219.00		64453075		Blue		$199.00

* Bulbs are required for permanent incandescent optical element.
** The multicolor element can be combined with up to 2 additional signal elements.

STEP 2 - Audible Elements Selection

Part Number	Description	Voltage	Tone Frequency	Max. Volume @ 1m	Price
64580075	Buzzer element	24V AC/DC	1.75 kHz	85dB	$58.00
64580077		115VAC			$69.00
64585055	Multi-functional siren, external trigger	24VDC	1.6 / 3.4 kHz	100dB	$116.00
64581055	Siren element with self-adjusting sound output	24VDC	2.5 kHz	100dB	$152.00

STEP 3 - Terminal Elements Selection

Part Number	Description	Mounting	Price
64082000	Screw terminal with M3 clamps	base bracket	$31.50
64080000	Terminal element with CAGE CLAMP® technology		$31.50
64083000	Screw terminal with M3 clamps	tube	$31.50
64081000	Terminal element with CAGE CLAMP® technology		$31.50

STEP 5 - Contact Boxes & Brackets Selection

Mounting Option	Part Number	Description	Price
Plain Base Mount	97584001	Contact box with side exit cable	$20.00
	96000002	Bracket for base mounting	$18.00
	97584085	Bracket for 1-sided mounting	$15.00
	97584086	Bracket for 2-sided mounting	$17.00
Tube Base Mount	97584001	Contact box with side exit cable	$20.00
	97584004	Contact box w/ magnetic base and side cable exit	$55.00
	96000014	Bracket for base mounting w/ concealed cable entry	$22.00
	96000001	Bracket for tube mounting	$18.00

STEP 4 - Tube Mounting/Accessories Selection

Part Number	Description	Price
97584510	Anodized tube, 100mm [3.94 in] long	$13.50
97584025	Anodized tube, 250mm [9.84 in] long	$17.00
97584040	Anodized tube, 400mm [15.75 in] long	$22.50
97584060	Anodized tube, 600mm [23.62 in] long	$30.00
97584080	Anodized tube, 800mm [31.49 in] long	$38.50
97584003	Anodized tube, 1000mm [39.37 in] long	$52.00
96000018	Tube with clamp	$56.00
96000025	Adapter for single-hole mounting	$56.00
97584010	Base with integrated tube	$28.00
97584090	Plastic base for 25mm [0.98 in] diameter tube	$14.50
97584091	Metal base for 25mm [0.98 in] diameter tube	$22.50
96000031	Plastic tube for foldaway base	$9.50
97584002	Adapter for tube mounting	$10.50
96000004	Cable gland for surface mounting	$6.00
96000030	Foldaway base	$60.00

KS 71 Optical Elements Specifications

Part Number	Color	Drawing Link	Description	Voltage	Current	Starting Current	Operating Temp/ Protection	Life Duration	Flash Frequency	Housing Material	Weight g [oz]
Optical Elements Technical Specifications											
_64110000_	Red	PDF	Incandescent Permanent Light Element with B15d Bayonet Socket	12-240 V Depends on bulb selection. (bulb sold separately)	Depends on bulb selection. (bulb sold separately)	–	-20 to 60°C [-4 to 140°F] IP65	up to 5,000h	–	Polycarbonate	55 [1.94]
_64120000_	Green	PDF									
_64130000_	Yellow	PDF									
_64140000_	Clear	PDF									
_64150000_	Blue	PDF									
_64410075_	Red	PDF	LED Permanent Light Element	24V AC/DC	max. 30mA	max. 500mA	-20 to 50°C [-4 to 122°F] IP65	up to 100,000h	–	Polycarbonate	58 [2.05]
_64420075_	Green	PDF			max. 25mA						
_64430075_	Yellow	PDF			max. 30mA						
_64440075_	Clear	PDF			max. 25mA						
_64450075_	Blue	PDF			max. 25mA						
_64445055_	Multi	PDF		24VDC	max. 120mA			up to 50,000h			63 [2.22]
_64410067_	Red	PDF		115VAC	max. 20mA	–	-20 to 50°C [-4 to 122°F] IP65	up to 100,000h	–	Polycarbonate	58 [2.05]
_64420067_	Green	PDF									
_64430067_	Yellow	PDF									
_64440067_	Clear	PDF									
_64450067_	Blue	PDF									
_64412055_	Red	PDF	LED Flashing Light Element	24VDC	35mA	max. 500mA	-20 to 50°C [-4 to 122°F] IP65	up to 50,000h	1Hz on for 2x10 ms	Polycarbonate	75 [2.65]
_64422055_	Green	PDF									
_64432055_	Yellow	PDF									
_64442055_	Clear	PDF									
_64452055_	Blue	PDF									
_64310055_	Red	PDF	Xenon Flashing Light Element	24VDC	125mA	max. 500mA	-20 to 50°C [-4 to 122°F] IP65	up to 4,000,000 flashes	1Hz on for 10 ms	Polycarbonate	73 [2.57]
_64320055_	Green	PDF									
_64330055_	Yellow	PDF									
_64340055_	Clear	PDF									
_64350055_	Blue	PDF									
_64310067_	Red	PDF		115VAC	22mA	–	-20 to 50°C [-4 to 122°F] IP65	up to 4,000,000 flashes	1Hz on for 10 ms	Polycarbonate	74 [2.61]
_64320067_	Green	PDF									
_64330067_	Yellow	PDF									
_64340067_	Clear	PDF									
_64350067_	Blue	PDF									
_64411075_	Red	PDF	LED Blinking Light Element	24V AC/DC	max. 30mA	max. 500mA	-20 to 50°C [-4 to 122°F] IP65	up to 100,000h	1Hz on for 550 ms	Polycarbonate	58 [2.05]
_64421075_	Green	PDF			max. 25mA						
_64431075_	Yellow	PDF			max. 30mA						
_64441075_	Clear	PDF			max. 25mA						
_64451075_	Blue	PDF			max. 25mA						
_64411067_	Red	PDF		115VAC	max. 20mA	–	-20 to 50°C [-4 to 122°F] IP65	up to 100,000h	1Hz on for 550 ms	Polycarbonate	58 [2.05]
_64421067_	Green	PDF									
_64431067_	Yellow	PDF									
_64441067_	Clear	PDF									
_64451067_	Blue	PDF									
_64413075_	Red	PDF	LED Rotating Light Element	24V AC/DC	max. 40mA	max. 500mA	-20 to 50°C [-4 to 122°F] IP65	up to 100,000h	120 rotations per minute	Polycarbonate	67 [2.36]
_64423075_	Green	PDF									
_64433075_	Yellow	PDF									
_64443075_	Clear	PDF									
_64453075_	Blue	PDF									

64445055

7 colors in one beacon: red, yellow, blue, green, turquoise, violet, and white.

Terminal Pin Activation of Multi-Color LED Permanent Light Element

Pin 1	Pin 2	Pin 3	Function
24V	–	–	Red
–	24V	–	Green
24V	24V	–	Yellow
–	–	24V	Blue
24V	24V	24V	White
24V	–	24V	Violet
–	24V	24V	Turquoise

Bulbs for Incandescent Permanent Optical Element

Part Number	Description	Wattage	Voltage	Life Duration
_95584035_	Bulb for incandescent light BA15d Bayonet Socket	5W	24VDC	up to 5,000h
_95584038_			230VAC	
_95584057_			115VAC	

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Configuring Your Kombi*SIGN* 71 Stack Light

STEP 1

Select the required optical elements for your application

STEP 2

Select the optional audible elements for your application

Optical Signal Elements
- Incandescent Permanent Light
- LED Permanent Light
- LED Flashing Light
- LED Blinking Light
- LED Rotating Light
- Xenon Flashing Light

Audible Signal Elements
- Buzzer Element
- Siren Element

Plain Base Mount	Tube Base Mount

STEP 3

Select the correct terminal element for your mounting option (includes cap)
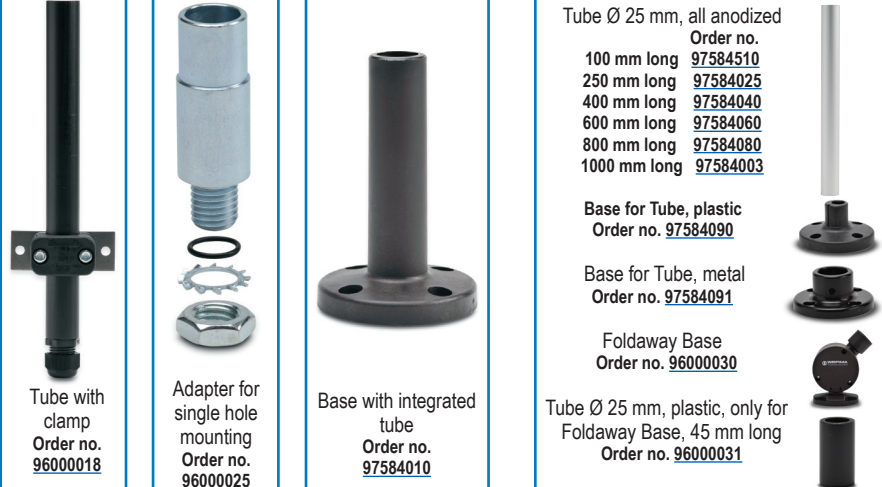
Screw terminal Order no. 64082000	CAGE CLAMP® terminal Order no. 64080000	Screw terminal Order no. 64083000	CAGE CLAMP® terminal Order no. 64081000

STEP 4

Where appropriate, select a base and the desired tube length (only for tube mounting)

Tube with clamp
Order no. 96000018

Adapter for single hole mounting
Order no. 96000025

Base with integrated tube
Order no. 97584010

Tube Ø 25 mm, 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

Tube Ø 25 mm, plastic, only for Foldaway Base, 45 mm long
Order no. 96000031

STEP 5

Where appropriate, select the bracket and the contact box.

Contact box with side cable exit
Order no. 97584001

Bracket for base mounting
Order no. 96000002

Contact box with side cable exit
Order no. 97584001

Contact box with magnetic base and side cable exit
Order no. 97584004

Bracket for 1-sided mounting
Order no. 97584085

Bracket for 2-sided mounting
Order no. 97584086

Bracket for base mounting with concealed cable entry
Order no. 96000014

Bracket for tube mounting
Order no. 96000001

Werma Modular Stack Lights Overview

WERMA
SIGNALTECHNIK

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

Kombi*SIGN* 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.

Kombi*SIGN* 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.
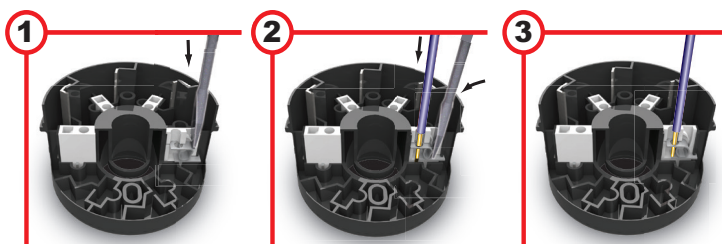
KS 71 Terminal Elements

Screw terminals

CAGE CLAMP® terminals

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.

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

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

3 Remove screwdriver - the wire is firmly clamped.

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