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]
84610000	Red	PDF	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] IP54	up to 5,000h	–	Polycarbonate	40 [1.41]
84620000	Green	PDF									
84630000	Yellow	PDF									
84640000	Clear	PDF									
84650000	Blue	PDF									
84810055	Red	PDF	LED Permanent Light Element	24V AC/DC	max. 45mA	max. 500mA	-20 to 50°C [-4 to 122°F] IP54	up to 100,000h	–	Polycarbonate	45 [1.59]
84820055	Green	PDF									
84830055	Yellow	PDF									
84840055	Clear	PDF									
84850055	Blue	PDF									
84810067	Red	PDF		115VAC	max. 25mA	–	-20 to 50°C [-4 to 122°F] IP54	up to 100,000h	–	Polycarbonate	45 [1.59]
84820067	Green	PDF									
84830067	Yellow	PDF									
84840067	Clear	PDF									
84850067	Blue	PDF									
84811075	Red	PDF	LED Blinking Light Element	24V AC/DC	max. 25mA	max. 500mA	-20 to 50°C [-4 to 122°F] IP54	up to 100,000h	1Hz on for 550ms	Polycarbonate	45 [1.59]
84821075	Green	PDF									
84831075	Yellow	PDF									
84841075	Clear	PDF									
84851075	Blue	PDF									
84811067	Red	PDF		115VAC	max. 25mA	–	-20 to 50°C [-4 to 122°F] IP54	up to 100,000h	1Hz on for 550ms	Polycarbonate	45 [1.59]
84821067	Green	PDF									
84831067	Yellow	PDF									
84841067	Clear	PDF									
84851067	Blue	PDF									
84812055	Red	PDF	LED Flashing Light Element	24VDC	45mA	max. 500mA	-20 to 50°C [-4 to 122°F] IP54	up to 50,000h	1Hz on for 10ms	Polycarbonate	56 [1.98]
84822055	Green	PDF			40mA						
84832055	Yellow	PDF			45mA						
84842055	Clear	PDF			40mA						
84852055	Blue	PDF			40mA						

KS 50 Incandescent Permanent Light Element

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	

KS 50 Audible and Terminal Elements

KS 50 Audible Elements Specifications

Part Number	84900075	84900077
Price		
Drawing Link	PDF	PDF
Voltage	24V AC/DC	115V AC/DC
Current Consumption	max. 25mA	
Tone Frequency	2.1 kHz	
Maximum Volume	80dB	
Tone Type	Continuous/Pulse Tone Selectable	
Life Duration	min. 5,000h	
Duty Cycle	100%	
Operating Temperature	-4 to 122˚F [-20 to 50˚C]	
Weight	54g [1.90 oz]	
Housing Material	PC/ABS, PC blend (cap)	
Dome Material	PC/ABS, PC blend	

KS 50 Terminal Element Specifications

Part Number	84500000
Price	
Drawing Link	PDF
Description	Terminal with screw connector
Mounting	Tube, bracket, base, and single hole mounting
Connection	max. 1.5 mm² - Single Wire
Operating Temperature	-4 to 122˚F [-20 to 50˚C]
Gauge	AWG18 to AWG14
Weight	93g [3.28 oz]
Cap Material	Polycarbonate
Base Material	Polyamide + PC/ABS

Closed = Continuous Tone

Open = Intermittent Tone
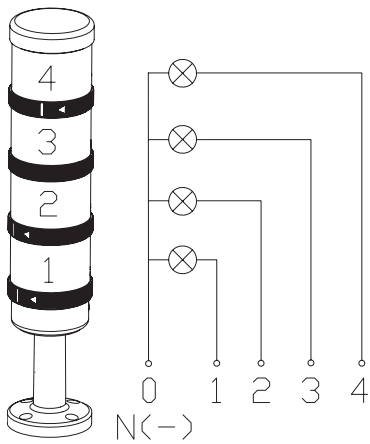
84900075 and 84900077 Switching from continuous to pulse tone.

KS 50 Mounting Hardware and Accessories

KS 50 Mounting Hardware and Accessories Specifications						
Part Number		Price	Description	Drawing Link	Operating Temp.	Material	Weight g [oz]
	97584510		Tube, 100mm [3.94 in]	PDF	-20 to 50˚C [-4 to 122˚F]	Anodized aluminum	30 [1.06]
	97584025		Tube, 250mm [9.84 in]	PDF			73 [2.57]
	97584040		Tube, 400mm [15.75 in]	PDF			120 [4.23]
	97584060		Tube, 600mm [23.62 in]	PDF			180 [6.35]
	97584080		Tube, 800mm [31.49 in]	PDF			236 [8.32]
	97584003		Tube, 1000mm [39.37 in]	PDF			296 [10.44]
	97584090		Plastic base for 25mm [0.98 in] diameter tube	PDF	-20 to 50˚C [-4 to 122˚F]	Polyamide Glass Reinforced	40 [1.41]
	97584091		Metal base for 25mm [0.98 in] diameter tube	PDF	-20 to 50˚C [-4 to 122˚F]	Anodized aluminum	110 [3.88]
	96000030		Foldaway base for 25mm [0.98 in] diameter tube	PDF	–	Polyamide Glass Reinforced	165 [5.82]
	97584501		Base for surface mounting, includes rubber seal	PDF	-20 to 60˚C [-4 to 140˚F]	Polyamide Glass Reinforced	35 [1.23]

KS 50 Contact Boxes and Brackets

Part Number		Price	Description	Drawing Link	Temp. Range	Material	Weight g [oz]
	97584502		Bracket for wall mounting	PDF	-20˚C to 60˚C [-4˚F to 140˚F]	Polyamide	30 [1.06]
	96000014		Bracket for base mounting with concealed cable entry	PDF	-20˚C to 60˚C [-4˚F to 140˚F]	Polyamide	80 [2.82]
	96000001		Bracket for base mounting	PDF	-20˚C to 50˚C [-4˚F to 122˚F]	Polyamide	57 [2.01]
	97584001		Contact box with side cable exit	PDF	-20˚C to 60˚C [-4˚F to 140˚F]	Polyamide	71 [2.50]
	97584004		Contact box with magnetic base and side cable exit	PDF	-20˚C to 60˚C [-4˚F to 140˚F]	Polyamide	316 [11.15]

Table title: Brackets & Contact Boxes Technical Specifications

Foldaway Base for KS 71 and KS 50

- The signal tower can be folded away while still connected
- Minimizes packaging costs and optimizes machine transportation
- Simple mounting and cable entry – for up to 14 mm diameter cables
- Vertical alignment of signal towers even on sloping surfaces
- Positioning in 7.5° steps, markings for 30, 45, 60, or 90 degrees

Foldaway Base for KS 71 and KS 50				
Part Number	Price	Drawing Link	Technical Specifications	
96000030		PDF	Material	Polyamide Glass Fiber-Reinforced
			Cable Diameter	Max. 14mm [0.55 in]
			Assembly	Includes rubber seals
			Fixing	Vertical or horizontal positioning
			Weight	165g [5.82 oz]

Configuring Your Kombi*SIGN* 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

STEP 2

Select the optional audible element for your application

Audible Signal Elements
• Buzzer Element

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

KS 50 Elements Quick Selection Guide

STEP 1 - Optical Elements Quick Selection Guide

Type of Light	Part Number	Color		Operating Voltage	Price
Incandescent Permanent*	84610000		Red	12-240V AC/DC	
	84620000		Green		
	84630000		Yellow		
	84640000		Clear		
	84650000		Blue		
Bulbs	95584035		Clear	24VDC	
	95584038		Clear	230VAC	
	95584057		Clear	115VAC	
LED Permanent	84810055		Red	24V AC/DC	
	84820055		Green		
	84830055		Yellow		
	84840055		Clear		
	84850055		Blue		
	84810067		Red	115VAC	
	84820067		Green		
	84830067		Yellow		
	84840067		Clear		
	84850067		Blue		
LED Blinking Light	84811075		Red	24V AC/DC	
	84821075		Green		
	84831075		Yellow		
	84841075		Clear		
	84851075		Blue		
	84811067		Red	115VAC	
	84821067		Green		
	84831067		Yellow		
	84841067		Clear		
	84851067		Blue		
LED Flashing Light Element	84812055		Red	24VDC	
	84822055		Green		
	84832055		Yellow		
	84842055		Clear		
	84852055		Blue		

* 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
84900075	Buzzer element	24V AC/DC	2.1 kHz	80dB	
84900077		115V AC/DC			

STEP 3 - Terminal Element Quick Selection

Part Number	Description	Mounting	Price
84500000	Screw terminal element for KS 50	surface, tube single-hole or bracket	

STEP 4 - Mounting Options/Accessories Quick Selection

Part Number	Description	Price
97584510	Anodized tube, 100mm [3.94 in] long	
97584025	Anodized tube, 250mm [9.84 in] long	
97584040	Anodized tube, 400mm [15.75 in] long	
97584060	Anodized tube, 600mm [23.62 in] long	
97584080	Anodized tube, 800mm [31.49 in] long	
97584003	Anodized tube, 1000mm [39.37 in] long	
97584090	Plastic base for 25mm [0.98 in] diameter tube	
97584091	Metal base for 25mm [0.98 in] diameter tube	
96000030	Foldaway base for 25mm [0.98 in] diameter tube	
97584501	Base for surface mounting, includes rubber seal	
97584502	Bracket for wall mounting	

STEP 5 - Contact Boxes & Brackets Quick Selection

Part Number	Description	Price
97584001	Contact box with side exit cable	
97584004	Contact box with magnetic base and side exit cable	
96000014	Bracket for base mounting with concealed cable entry	
96000001	Bracket for base mounting	

KS 50 LED Light Element