

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

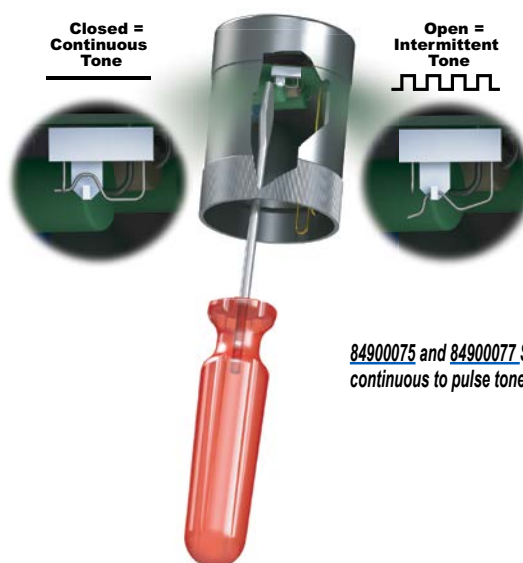
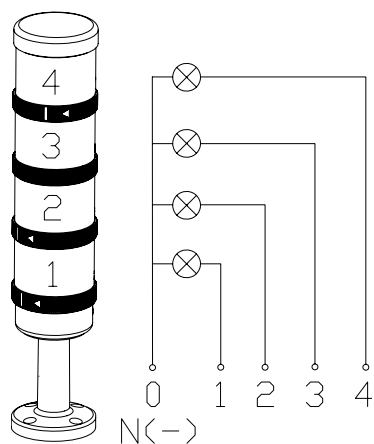


Bulbs for Incandescent Permanent Optical Element				
Part Number	Description	Wattage	Voltage	Life Duration
95584035	Bulb for Incandescent Light BA15d Bayonet Socket	5W	24VDC	up to 5,000h
95584038			230VAC	
95584057			115VAC	

KS 50 Audible and Terminal Elements






KS 50 Audible Elements Specifications		
Part Number	84900075	84900077
Price	\$0a7k:	\$-0a7l:
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	\$0a3#:
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








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]
	<u>97584510</u>	\$;-0ej.:	Tube, 100mm [3.94 in]	<u>PDF</u>	-20 to 50°C [-4 to 122°F]	Anodized aluminum	30 [1.06]
	<u>97584025</u>	\$;-0ej!:	Tube, 250mm [9.84 in]	<u>PDF</u>			73 [2.57]
	<u>97584040</u>	\$-0ej?:	Tube, 400mm [15.75 in]	<u>PDF</u>			120 [4.23]
	<u>97584060</u>	\$-0ej_:	Tube, 600mm [23.62 in]	<u>PDF</u>			180 [6.35]
	<u>97584080</u>	\$-0ej#:	Tube, 800mm [31.49 in]	<u>PDF</u>			236 [8.32]
	<u>97584003</u>	\$;-0ej[:	Tube, 1000mm [39.37 in]	<u>PDF</u>			296 [10.44]
	<u>97584090</u>	\$-0eai:	Plastic base for 25mm [0.98 in] diameter tube	<u>PDF</u>	-20 to 50°C [-4 to 122°F]	Polyamide Glass Reinforced	40 [1.41]
	<u>97584091</u>	\$0ea9:	Metal base for 25mm [0.98 in] diameter tube	<u>PDF</u>	-20 to 50°C [-4 to 122°F]	Anodized aluminum	110 [3.88]
	<u>96000030</u>	\$0ea8:	Foldaway base for 25mm [0.98 in] diameter tube	<u>PDF</u>	—	Polyamide Glass Reinforced	165 [5.82]
	<u>97584501</u>	\$;0a3[:	Base for surface mounting, includes rubber seal	<u>PDF</u>	-20 to 60°C [-4 to 140°F]	Polyamide Glass Reinforced	35 [1.23]

KS 50 Contact Boxes and Brackets

Brackets & Contact Boxes Technical Specifications							
Part Number		Price	Description	Drawing Link	Temp. Range	Material	Weight g [oz]
	<u>97584502</u>	\$;0a3[:	Bracket for wall mounting	<u>PDF</u>	-20°C to 60°C [-4°F to 140°F]	Polyamide	30 [1.06]
	<u>96000014</u>	\$05ha:	Bracket for base mounting with concealed cable entry	<u>PDF</u>	-20°C to 60°C [-4°F to 140°F]	Polyamide	80 [2.82]
	<u>96000001</u>	\$05h8:	Bracket for base mounting	<u>PDF</u>	-20°C to 50°C [-4°F to 122°F]	Polyamide	57 [2.01]
	<u>97584001</u>	\$;04[h:	Contact box with side cable exit	<u>PDF</u>	-20°C to 60°C [-4°F to 140°F]	Polyamide	71 [2.50]
	<u>97584004</u>	\$;-04[i:	Contact box with magnetic base and side cable exit	<u>PDF</u>	-20°C to 60°C [-4°F to 140°F]	Polyamide	316 [11.15]

Foldaway Base for KS 71 and KS 50

Features

- 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	\$0ea8:	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 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



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

Order no.
84500000

STEP 3

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

Base/Bracket Mounting



Bracket for wall mounting

Order no.
97584502



Base for surface mounting, includes rubber seal

Order no.
97584501

Tube Mounting

Tube Ø 25mm, all anodized

	Order no.
100 mm long	<u>97584510</u>
250 mm long	<u>97584025</u>
400 mm long	<u>97584040</u>
600 mm long	<u>97584060</u>
800 mm long	<u>97584080</u>
1000 mm long	<u>97584003</u>

Base for Tube, plastic
Order no. 97584090

Base for Tube, metal
Order no. 97584091

Foldaway Base
Order no. 96000030



STEP 4

Select the appropriate mounting option and accessories



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

STEP 5

Where appropriate, select the bracket and the contact box

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	\$;0a3l:
	84620000	Green		\$;0a3?:
	84630000	Yellow		\$;0a3,:
	84640000	Clear		\$;0a40:
	84650000	Blue		\$;0a41:
Bulbs	95584035	Clear	24VDC	\$;eca:
	95584038	Clear	230VAC	\$;ecb:
	95584057	Clear	115VAC	\$;ecc:
LED Permanent	84810055	Red	24V AC/DC	\$;0a42:
	84820055	Green		\$;0a46:
	84830055	Yellow		\$;0a78:
	84840055	Clear		\$;00a7c:
	84850055	Blue	115VAC	\$;00a7g:
	84810067	Red		\$;0a43:
	84820067	Green		\$;0a47:
	84830067	Yellow		\$;0a79:
	84840067	Clear		\$;00a7d:
LED Blinking Light	84850067	Blue	24V AC/DC	\$;00a7h:
	84811075	Red		\$;0a45:
	84821075	Green		\$;0a77:
	84831075	Yellow		\$;0a7b:
	84841075	Clear	115VAC	\$;;00a7f:
	84851075	Blue		\$;-00a7j:
	84811067	Red		\$;0a44:
	84821067	Green		\$;0a76:
	84831067	Yellow		\$;0a7a:
LED Flashing Light Element	84841067	Clear	24VDC	\$;00a7e:
	84851067	Blue		\$;-00a7i:
	84812055	Red		\$;00e34:
	84822055	Green		\$;00e35:
	84832055	Yellow		\$;00e36:
	84842055	Clear		\$;00e37:
	84852055	Blue		\$;00e38:

* 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	\$;0a7k:
84900077		115V AC/DC			\$;-0a7l:

STEP 3 - Terminal Element Quick Selection			
Part Number	Description	Mounting	Price
84500000	Screw terminal element for KS 50	surface, tube, single-hole or bracket mount	\$;0a3#:

STEP 4 - Mounting Options/Accessories Quick Selection		
Part Number	Description	Price
97584510	Anodized tube, 100mm [3.94 in] long	\$;-0ej,:
97584025	Anodized tube, 250mm [9.84 in] long	\$;-0ej!:
97584040	Anodized tube, 400mm [15.75 in] long	\$;-0ej?:
97584060	Anodized tube, 600mm [23.62 in] long	\$;-0ej_:
97584080	Anodized tube, 800mm [31.49 in] long	\$;-0ej#:
97584003	Anodized tube, 1000mm [39.37 in] long	\$;-0ejj:
97584090	Plastic base for 25mm [0.98 in] diameter tube	\$;-0eai:
97584091	Metal base for 25mm [0.98 in] diameter tube	\$;0ea9:
96000030	Foldaway base for 25mm [0.98 in] diameter tube	\$;0ea8:
97584501	Base for surface mounting, includes rubber seal	\$;0a3j:
97584502	Bracket for wall mounting	\$;0a3f:

STEP 5 - Contact Boxes & Brackets Quick Selection		
Part Number	Description	Price
97584001	Contact box with side exit cable	\$;04[h:
97584004	Contact box with magnetic base and side exit cable	\$;-04[i:
96000014	Bracket for base mounting with concealed cable entry	\$;05ha:
96000001	Bracket for base mounting	\$;05h8:



KS 50 LED
Light Element