



SIL/LD SERIES

Illuminators and LED drivers

ISTRATION MANUAL

MODELS

Illuminators

- SIL LINE
- SIL AREA
- SIL BACK
- SIL RING
- SIL SPOT

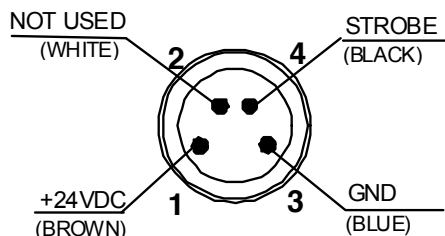
LED Drivers

- LD2

CONNECTIONS

SIL LINE/AREA/SPOT/BACK

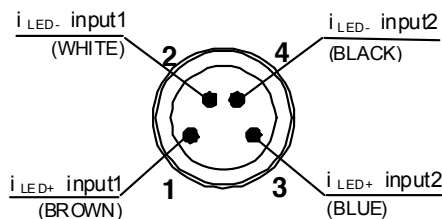
M8 4 pole male connector



- 1 = BROWN = +24 VDC
2 = WHITE = NOT USED
3 = BLUE = GND
4 = BLACK = STROBE

SIL RING

M8 4 pole male connector

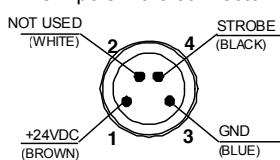


- 1 = BROWN = iLED+ input1
2 = WHITE = iLED- input1
3 = BLUE = iLED+ input2
4 = BLACK = iLED- input2

LED DRIVER LD2

INPUT

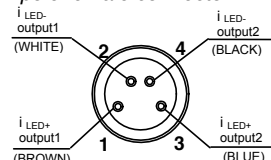
M8 4 pole male connector



- 1 = BROWN = +24 VDC
2 = WHITE = NOT USED
3 = BLUE = GND
4 = BLACK = STROBE

OUTPUT

M8 4 pole female connector



- 1 = BROWN = iLED+ output1
2 = WHITE = iLED- output1
3 = BLUE = iLED+ output2
4 = BLACK = iLED- output2

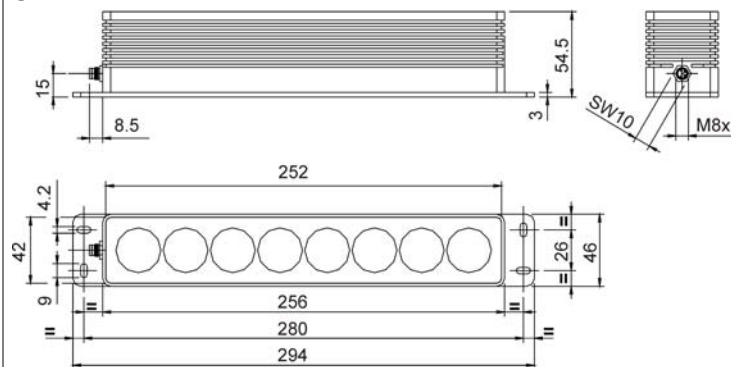
TECHNICAL DATA

Illuminators					
	SIL LINE	SIL AREA	SIL RING	SIL BACK	SIL SPOT
Power Supply:	24 VDC ± 10%	24 VDC ± 10%	LD2 (2x350mA constant current)	24 VDC ± 10%	24 Vdc ± 10%
Current consumption*:	350 mA max	170 mA max	350 mA max	350 mA max	80 mA max
Strobe Signal (required):	Voltage 5 .24 VDC, frequency 0 1 kHz				
Colour:	Red, blue, green, white, IR				
Light Intensity @ 500mm distance:	1000 lux	500 lux	250 lux	150 cd/m²	250 lux
Emission Angle:	25°, 10°, 45°, 10 x 30°				
Material:	Black anodized aluminium				
Connections:	M8 4-pole connector				
Mechanical Protection:	IP65				
Operating Temp.:	-10 +40 °C				
Storage Temp.:	-25 +70 °C				
LED driver LD2					
Input voltage:	24 VDC ± 10%				
Output current:	2 x 350mA ±5%				
Strobe Signal:	Voltage 5 .24 VDC, frequency max 0 1 kHz				
Connections:	2 x M8 4-pole connectors				

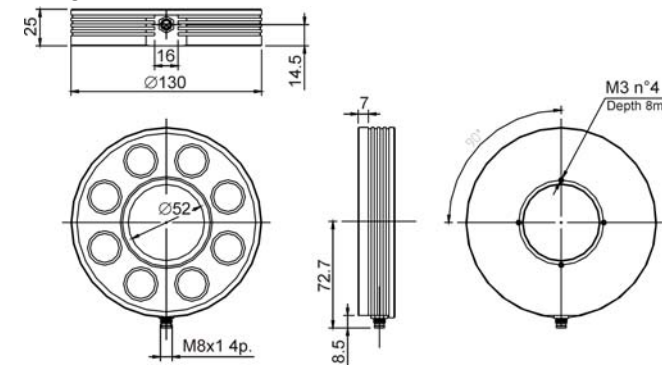
*consider 30mA of extra current at powering

DIMENSIONS

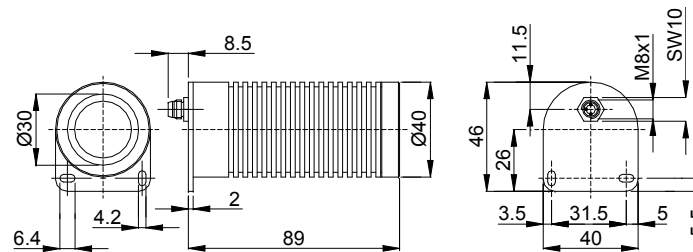
SIL LINE



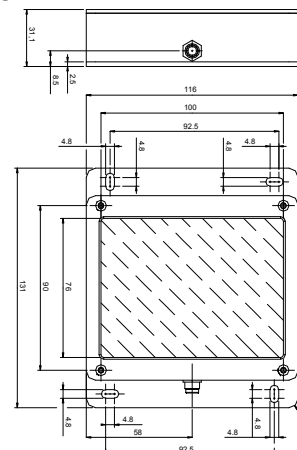
SIL RING



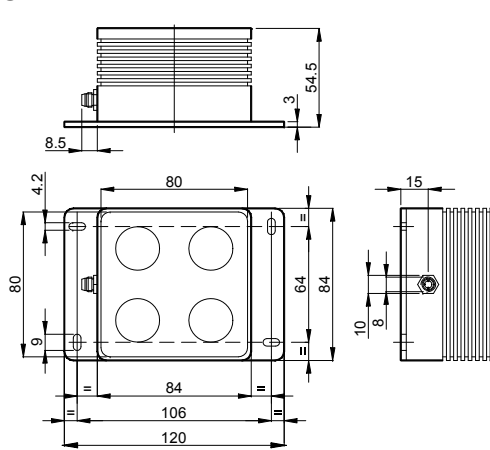
SIL SPOT



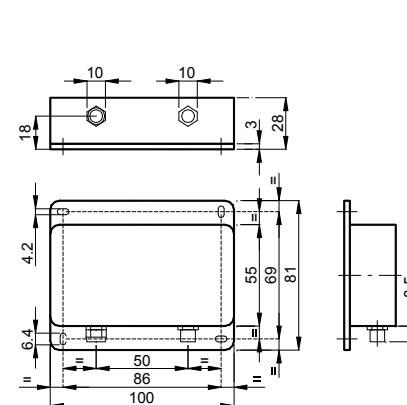
SIL BACK



SIL AREA

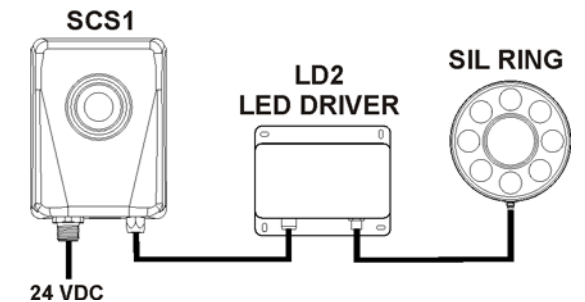
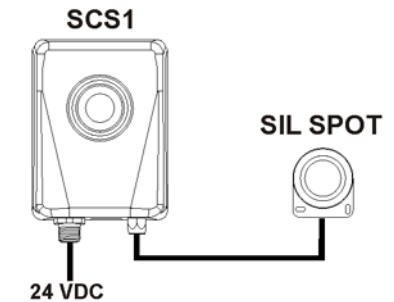
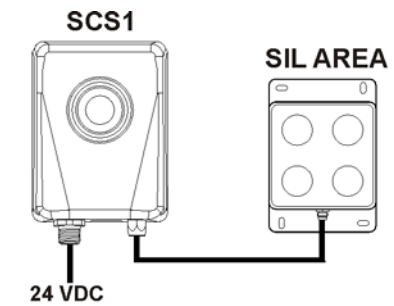


LD2



APPLICATION NOTE

Some examples of possible use of SIL illuminators connected to Datalogic's SCS1 Smart Camera are given below:



For different Smart Cameras or lighting solutions please refer to the connection scheme.

N.B.: For a correct functioning of the illuminator, the strobe pin must be always connected. In order to deliver a strobe light, a strobe signal is required (e.g. SCS1 provides it). In order to deliver a continuous light, a constant voltage between 5Vdc and 24Vdc has to be used.

DECLARATION OF CONFORMITY

We DATALOGIC AUTOMATION declare under our sole responsibility that these products are conform to the 2004/108/CE and successive amendments.

WARRANTY

DATALOGIC AUTOMATION warrants its products to be free from defects. DATALOGIC AUTOMATION will repair or replace, free of charge, any product found to be defective during the warranty period of 36 months from the manufacturing date. This warranty does not cover damage or liability deriving from the improper application of DATALOGIC AUTOMATION products.

DATALOGIC AUTOMATION

Via Lavino 265 - 40050 Monte S.Pietro - Bologna - Italy
Tel: +39 051 6765611 - Fax: +39 051 6759324
www.automation.datalogic.com e-mail: info.automation.it@datalogic.com

DATALOGIC AUTOMATION cares for the environment: 100% recycled paper. DATALOGIC AUTOMATION reserves the right to make modifications and improvements without prior notification. Datalogic and the Datalogic logo are registered trademarks of Datalogic S.p.A. in many countries, including the U.S.A. and the E.U.

826002993 Rev.C

© Copyright Datalogic 2009-2010