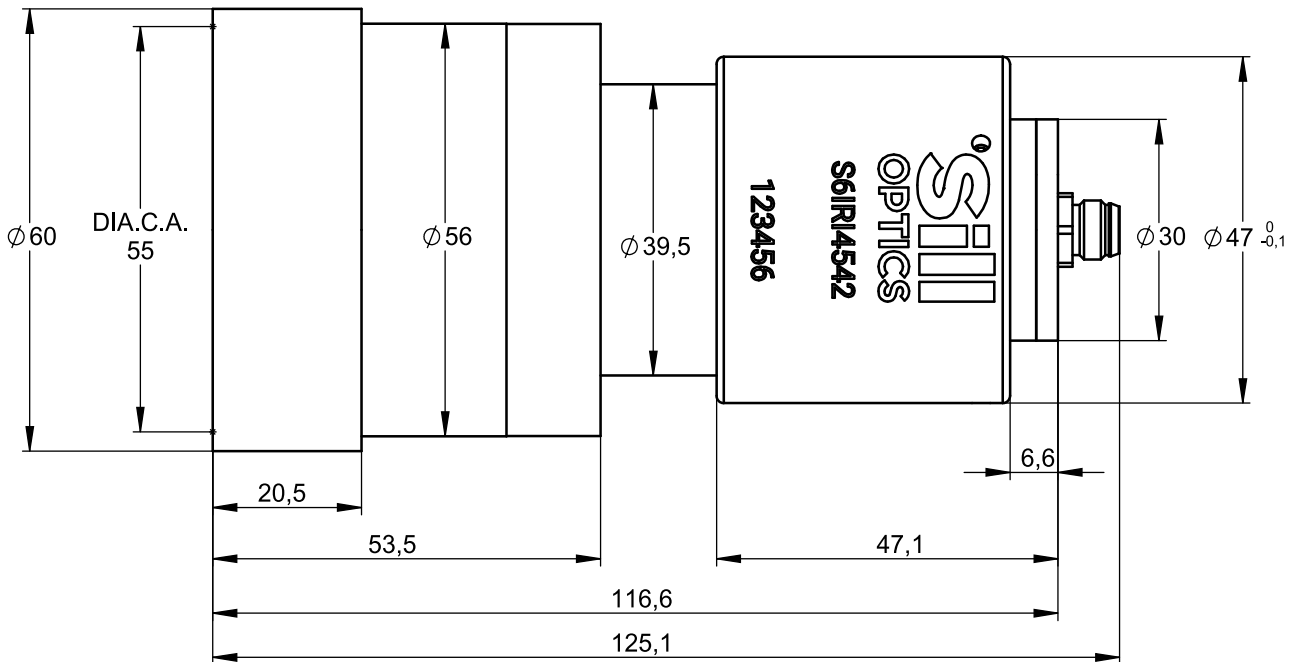


## S6IRI4542 LED Condenser 4.Gen. TC55 470nm

- telecentric illumination with high power LED
- 470 nm



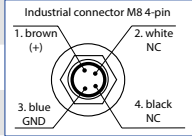
### outline drawing



# DATA SHEET

## specifications

article number	S6IRI4542
LED wavelength [nm]	470
LED	Osram Osconiq GB QSSPA1.13
effective focal length [mm]	76.0
clear aperture [mm]	55.0
length [mm]	125.1
recommended working distance [mm]	35.0 - 230.0
typ. forward voltage [V] @350mA	2.93
max. current [mA]	1000
connection	M8 / 4-pin male
pin assignment	pin1: (+); pin2: NC; pin3: GND; pin4: NC
weight [kg]	0.4
accessory	S5SET0022 (mount)



Industrial connector M8 4-pin  
1. brown (+)  
2. white NC  
3. blue GND  
4. black NC

## remarks

- operation only in DC mode
- operation either in continued or in flashed mode possible
- continuous operation only with limited current
- infinitely variable brightness by increasing the current up to max. value
- ambient temperature at max. continuous current: up to 60°C

### Safety:

#### Attention!

- please avoid water and other liquids
- mounting can get hot during use

### LED risk group 3 (DIN EN 62471:2009-03) at 1.000 mA - precautions necessary!

- Use laser protection eyewear for installation and adjustment of the illumination system
- Avoid direct eye exposure by mechanical separation of illumination path and operator
- Update safety instructions annually for operators who handle these illumination systems or work next to the application

Warranty: Attention! Please do not open the condenser, due to warranty issues. Warranty will be expired, if seal is broken.

Data given by design.

### Possible modifications for S6IRIxxxx:

- other wavelength of Osram Synios or Osram Osconiq P3030 series
- glued
- integrated diffusor
- customized mechanics
- customized connector

**RoHS**  
compliant