

Collimated (telecentric) illumination, beam dia. 26-240 mm

LS-VCL series · Collimated lights · 24 models



Collimated illuminators designed for telecentric lens imaging; they can directly provide backlight or ortho illumination (spectral devices are required). Parallel illumination makes full use of the telecentric lens and helps improve system accuracy and depth of field.

Features

- Specially designed for telecentric lens imaging
- Backlight directly, or ortho illumination (spectral devices are required)
- Parallel illumination makes full use of the imaging potential of telecentric lenses and greatly improves system accuracy
- Parallel illumination can optimise the depth of field far beyond the nominal value
- Multiple wavelengths, 1W / 3W power selection, built-in brightness adjustment
- Specially designed for telecentric lens imaging; directly realises backlight or ortho illumination (spectral devices are required)
- Parallel illumination makes full use of the imaging potential of the telecentric lens and greatly improves system accuracy
- Parallel illumination optimises the depth of field of the imaging system so that it is far beyond the nominal value
- Multiple wavelengths, 1 W / 3 W power selection and built-in brightness adjustment device
- Specially developed for backlights for objects inspected by telecentric lens

Applications

- Telecentric backlight / coaxial (ortho) illumination for telecentric lenses
- Backlight or ortho illumination for telecentric lens imaging and measurement
- Backlighting for telecentric lens measurement

Colours

R	Red
G	Green
B	Blue
W	White

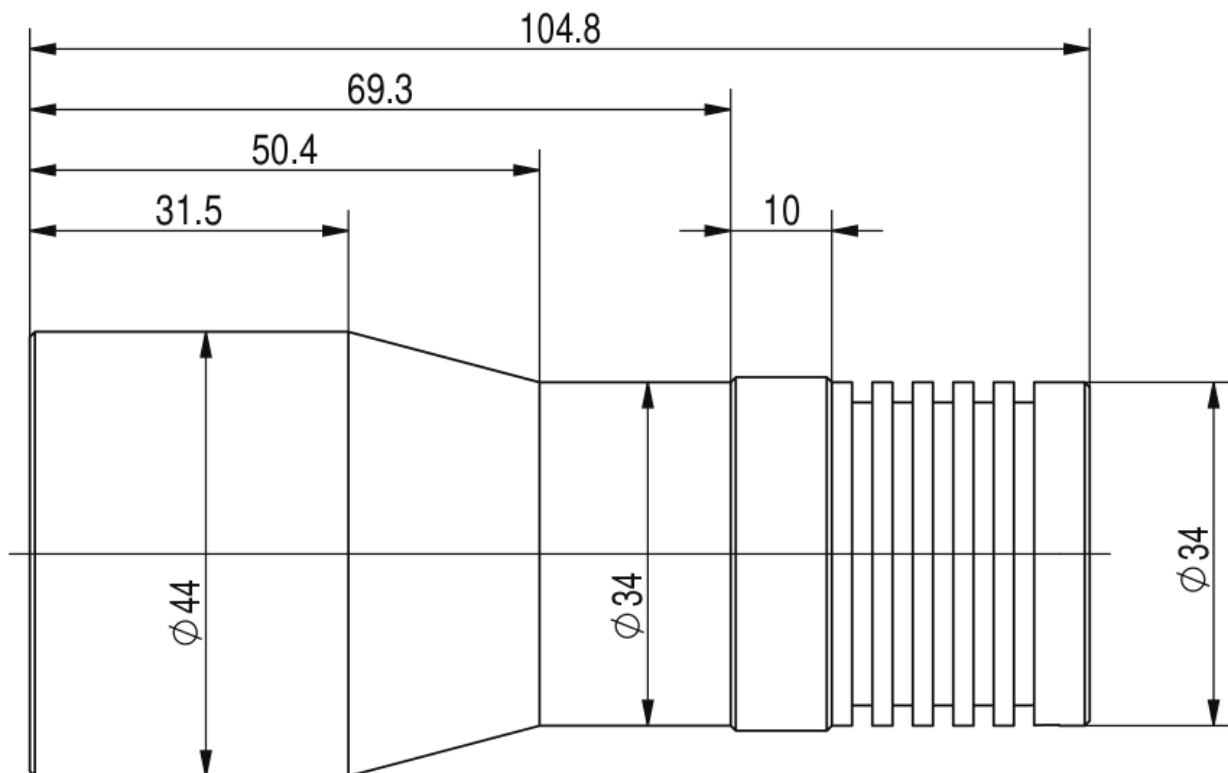
Common specifications

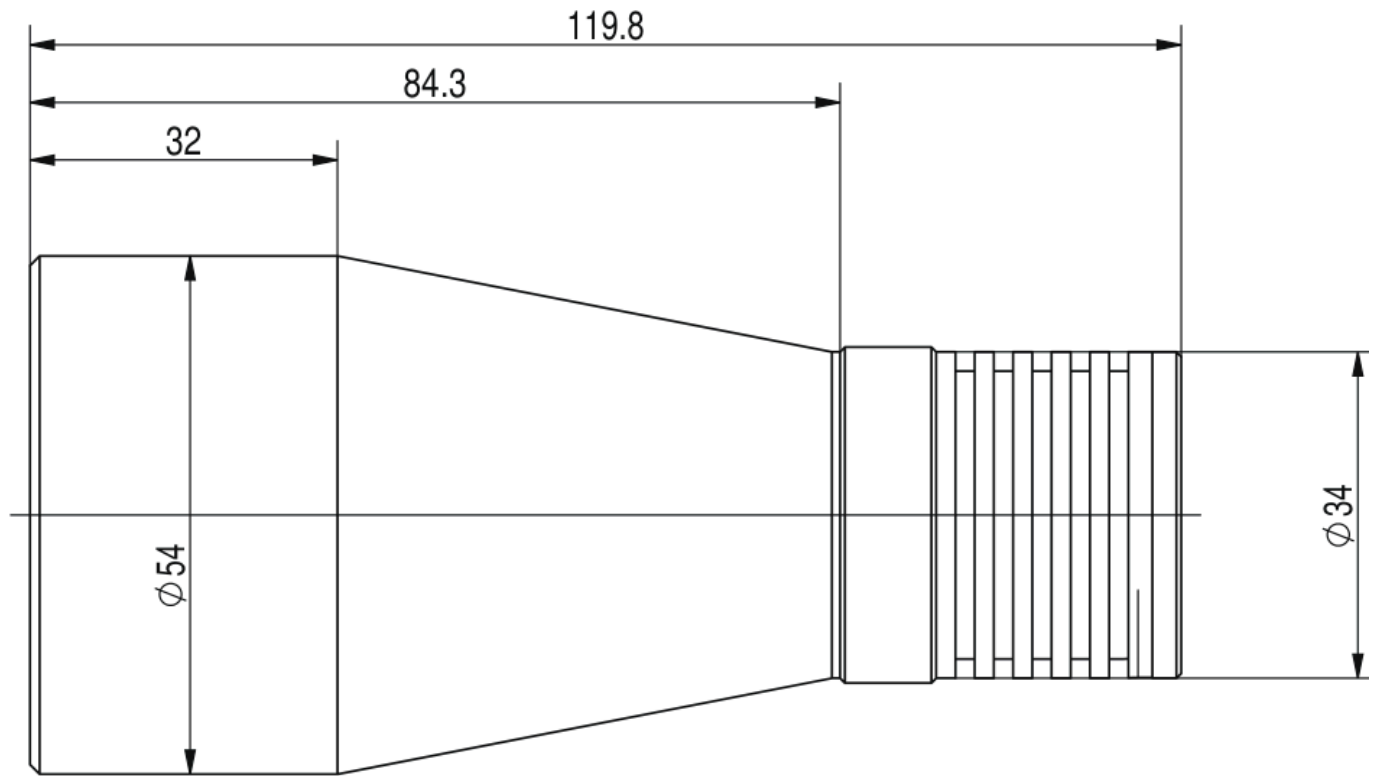
Voltage	DC 3V
Power	1W/3W
Max current	350mA/1000mA
Color	R/G/B/W
Colour	R/G/B/W
Electricity (current)	350mA/750mA

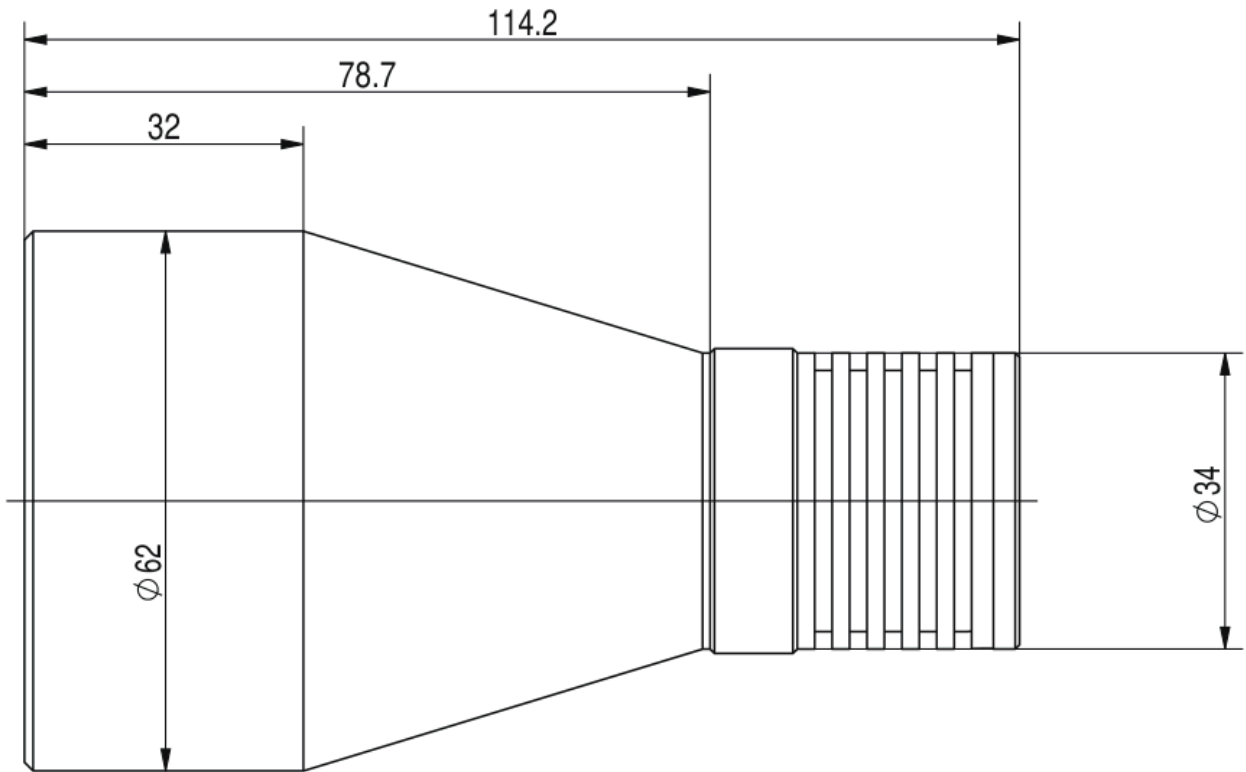
Ordering code: LS-<beam diameter 26-240 mm>-<x>W-<y> (x = power 1W/3W; y = colour Red, Green, Blue, White)
[printed with prefix; supplier series VCL]

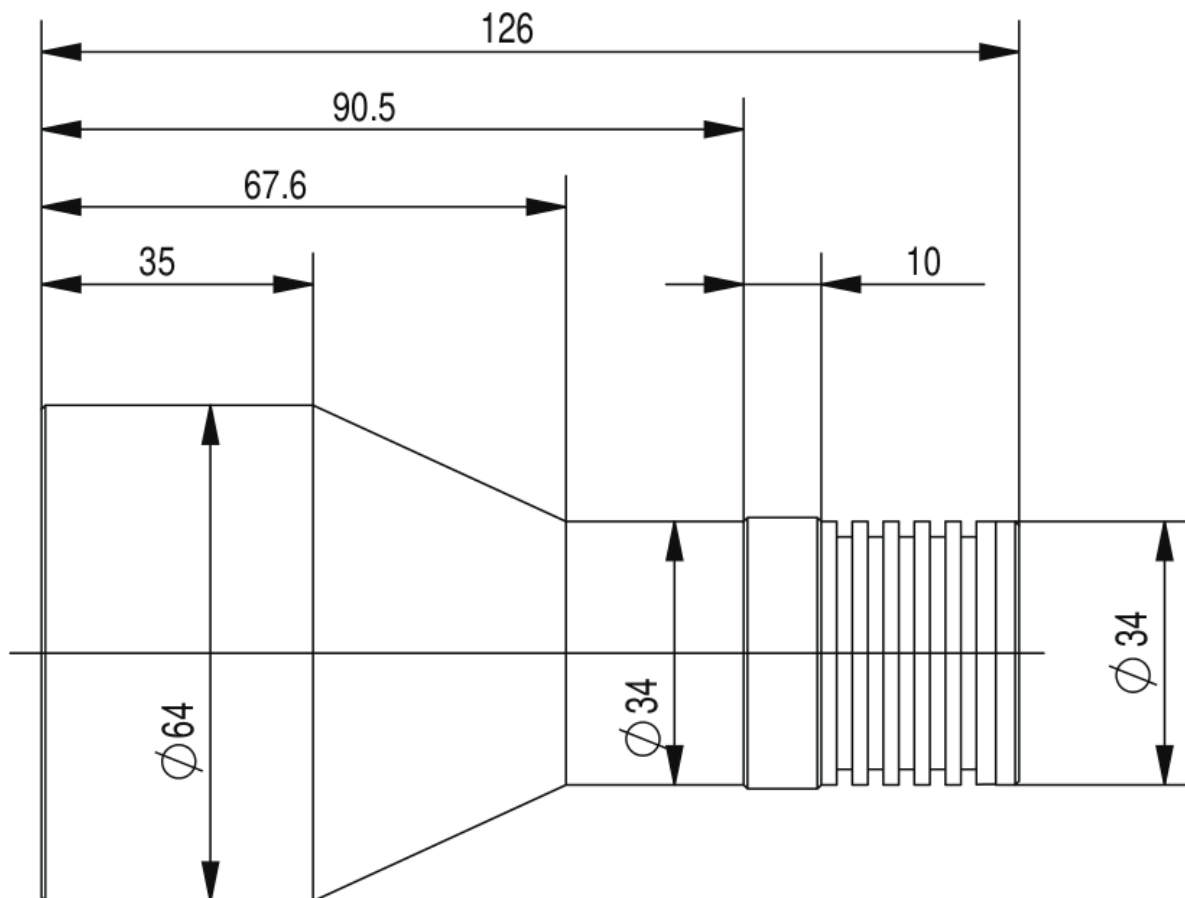
Models

Model	Beam diameter (mm)	WD (mm)	Length (mm)	Diameter (mm)	Compatible telecentric lens	Working distance (mm)	Compatible lens
LS-VCL-26-XW-Y colours: R, G, B, W	26	24-48	104.8	44	VCMxxx-26	24-48	VCMxxx-26
LS-VCL-36-XW-Y colours: R, G, B, W	36	36-75	119.8	54	VCMxxx-36	36-75	VCMxxx-36
LS-VCL-42-XW-Y colours: R, G, B, W	42	38-80	114.2	62	VCMxxx-42	38-80	VCMxxx-42
LS-VCL-48-XW-Y colours: R, G, B, W	48	43-85	126	64	VCMxxx-48	43-85	VCMxxx-48
LS-VCL-56-XW-Y colours: R, G, B, W	56	46-92	147.5	78	VCMxxx-56	46-92	VCMxxx-56
LS-VCL-64-XW-Y colours: R, G, B, W	64	62-126	136	84	VCMxxx-64	62-126	-
LS-VCL-64P-XW-Y colours: R, G, B, W	64	50-107	150.2	85	VCMxxx-64P	50-107	-
LS-VCL-72-XW-Y colours: R, G, B, W	72	59-119	177.5	94	VCMxxx-72	59-119	VCMxxx-72
LS-VCL-80-XW-Y colours: R, G, B, W	80	75-154	170.2	104	VCMxxx-80	75-154	-
LS-VCL-100-XW-Y colours: R, G, B, W	100	83-170	182.3	140	VCMxxx-100	83-170	VCMxxx-100
LS-VCL-110-XW-Y colours: R, G, B, W	110	82-168	241.4	156	VCMxxx-110	82-168	VCMxxx-110









Product views

