

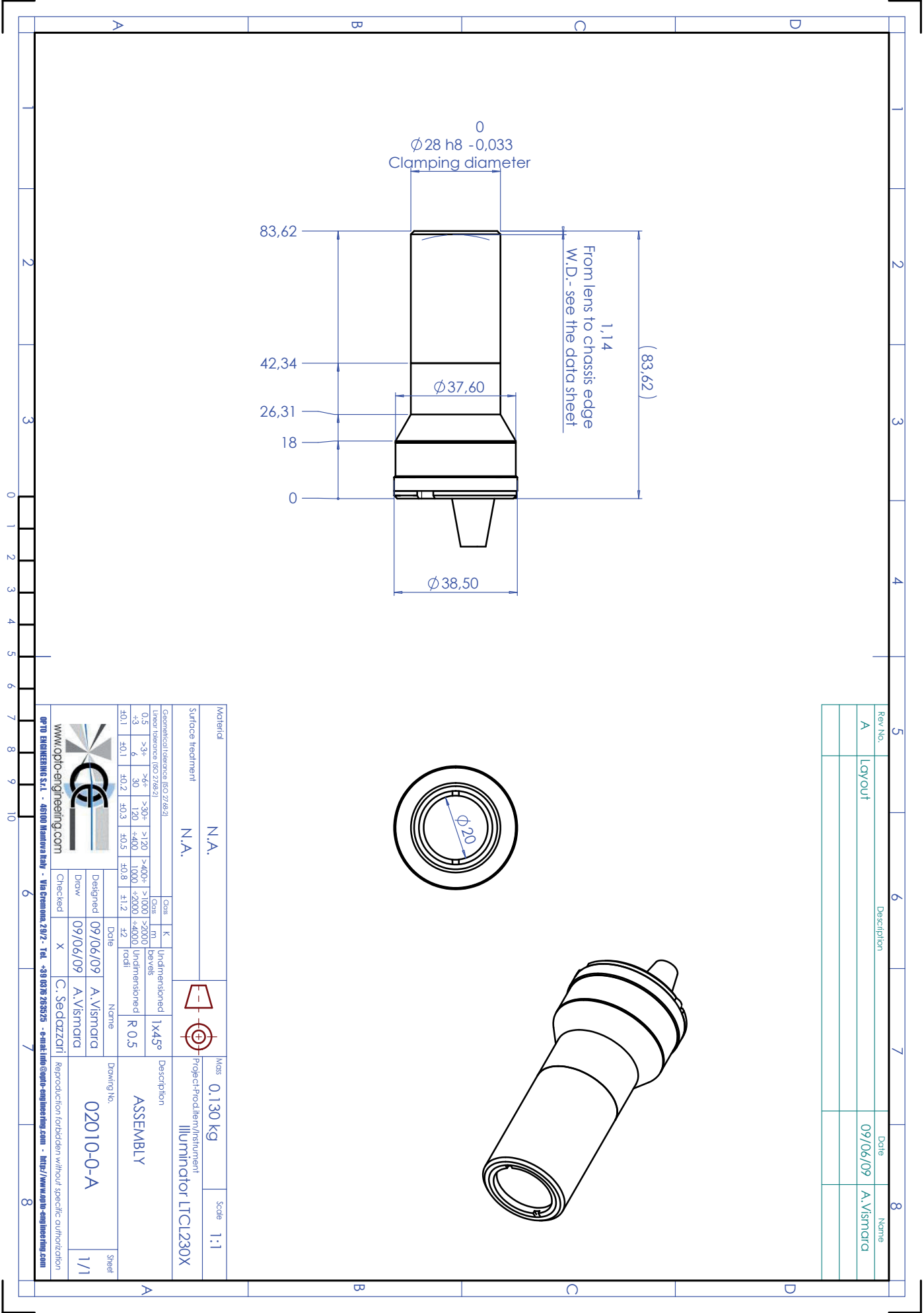
**LT CL 23**

# Collimated Illuminator



part number		LT CL 23
<b>Beam Diameter</b>	(mm)	16,0
<b>Available Colours</b>		
/R (red)		x
/G (green)		x
/B (blue)		x
/W (white)		x
/IR890 (IR, peak 890 nm)		x
/IR940 (IR, peak 940 nm)		x
<b>Length</b>	(mm)	88,6
<b>Outer Diameter</b>	(mm)	28,0
<b>Compatible Telecentric Lenses</b>		
	TC 13	n.a.
	TC 12	n.a.
	TC 23	04,07,09
	TC 4M	04,07,09
	TC 2M	n.a.
	TC16M	n.a.
<b>DEVICE POWER RATINGS</b>		
DC Voltage	(volt)	12 to 24
Power Consumption	(watt)	< 2 watt
<b>LED DIRECT DRIVE RATINGS</b>		
<b>for /W, /B and /G versions</b>		
Max Forward DC Voltage	(volt)	3,5
Max Forward Current	(mA)	350
<b>for /R version</b>		
Max Forward DC Voltage	(volt)	2,5
Max Forward Current	(mA)	350
<b>for /IR890 and /IR940 versions</b>		
Max Forward DC Voltage	(volt)	1,6
Max Forward Current	(mA)	500 mA

Mechanical drawings:  
see next page >>



Rev. No.	Description	Date	Name
A	Layout	09/06/09	A. Vismora

Material		N.A.		Mass		0.130 Kg		Scale		1:1	
Surface treatment		N.A.		Project/ProdItem/Instrument		Illuminator LTC1230X		Description		ASSEMBLY	
Geometrical tolerance (ISO 2768:2)		Class	K	Undimensioned	1x45°	Drawing No.		02010-0-A		Sheet	
Linear tolerance (ISO 2768:2)		Class	m	Bevels	R 0.5	Designed		09/06/09		A. Vismora	
0.5	>3-	>6-	>30+	>120	>400+	>1000	>2000	Date		C. Sedozzi	
+3	6	30	120	+400	1000	+2000	+4000	Date		09/06/09	
f0.1	f0.1	f0.2	f0.3	f0.5	f0.8	f1.2	f2	Name		A. Vismora	
www.opto-engineering.com		Checked		X		Date		09/06/09		A. Vismora	
OPTO ENGINEERING S.r.l. - 46100 Montecchia (Pg) - Via Cavour, 20/2 - Tel. +39 0575 283525 - e-mail: info@opto-engineering.com - http://www.opto-engineering.com		Designed		09/06/09		Date		09/06/09		A. Vismora	
		Draw		09/06/09		Date		09/06/09		A. Vismora	
		Checked		X		Date		09/06/09		A. Vismora	

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