

INDUSTRIAL POINTING SYSTEMS



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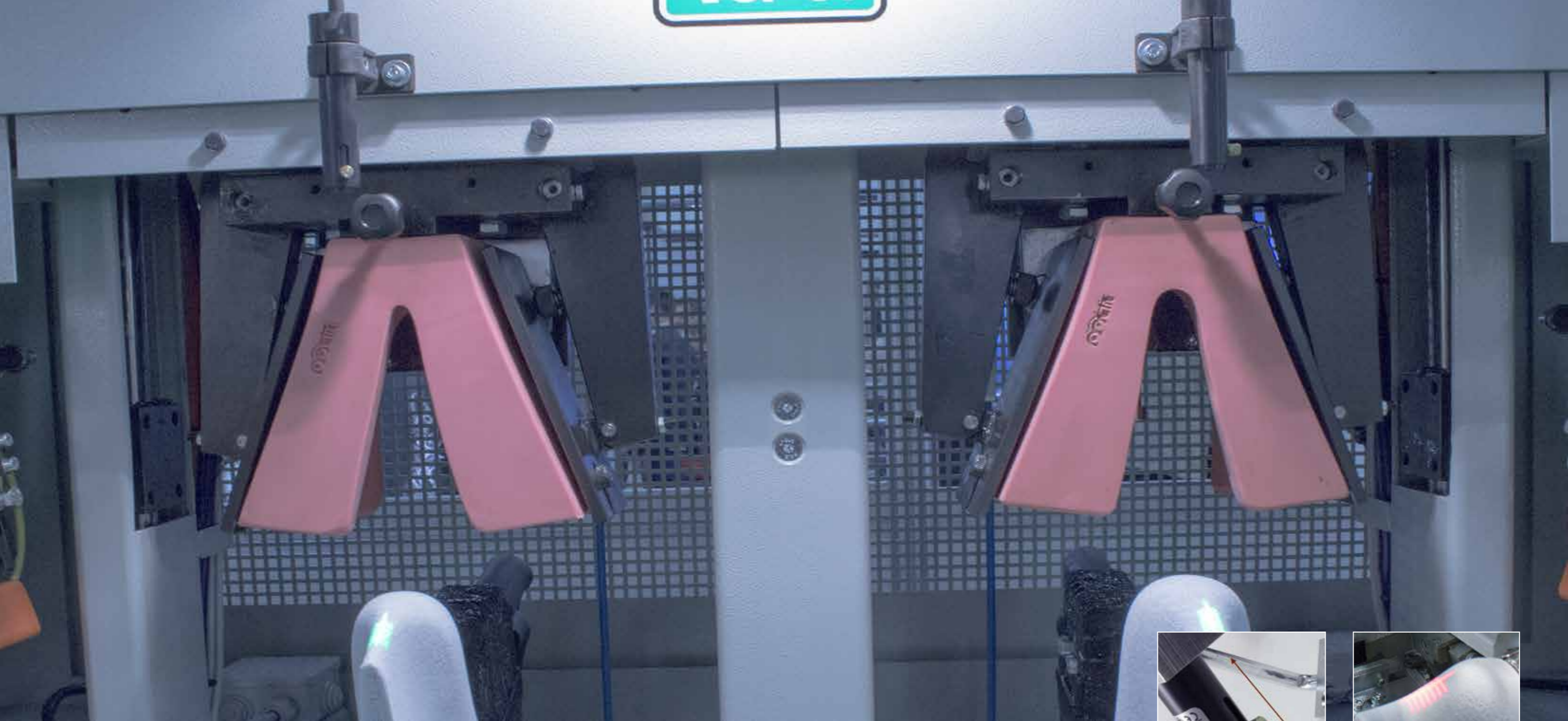
LED POINTING SYSTEMS

Flexible, efficient and versatile.

C.C.E.A. produces LED pointing systems for industrial use.

We design and produce LED pointing systems for alignment and positioning of materials in different applications. The resistance to vibration makes these products suitable for industrial environments and therefore can be installed wherever required maximum precision in the positioning of parts or components. They can be used on machines for shoe manufacturing, sewing machines, eyelet machines, cutting machines, ironing machines, machines for textile printing and sealing machines.

- LED pointing systems
- Anodized aluminum casing
- LED technology for high luminous efficiency for a period of 50,000 and more at the same light efficiency
- 3 colors available: white, red and green for universal use on any surface color
- 8 diaphragms and customization for any potential application
- 4 focal 28,32,52,87 for using up to 1 m from the surface
- 2 powers available 1W and 3W
- 12 / 24Vdc and 110 / 230V power supply
- Immune from the effects of electromagnetic fields
- 3 fastenings available for total adjustability
- No class of risk, unlike laser systems



Safe, reliable and long-lasting.

C.C.E.A. invented the first pointing systems LED in 1998. The development of LED technology and the subsequent introduction of the first Power LED in the market allowed us to create a full range of pointers as a valid alternative to laser pointing systems. Thanks to the 4 focals available, the LED pointer can be installed up to 1 meter from the surface and the projection can be focused by adjusting the position of the telescope.

Thanks to the light source, the LED pointer does not emit harmful rays and therefore does not belong to any class of risk, unlike laser

systems. Therefore it can be used in total safety even on reflective surfaces, without the need for safety glasses. C.C.E.A. uses the latest generation LEDs that guarantee a minimum life of 50,000 hours, up to 70,000 hours of operation with no loss of intensity. Also they are immune from the effects of electromagnetic fields.

8 diaphragms and the 3 colors available red, green and white offer a wide choice of combinations for countless applications. Low voltage power supply (12-24Vdc) and mains voltage (110-230V) allows their installation around the world.

LED POINTERS

Technical datasheet



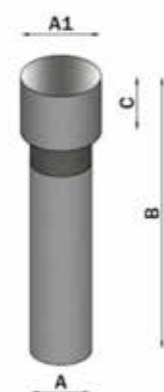
LED pointing system for aligning and positioning of materials. Vibration-resistant, 3 colors and eight diaphragms. Fastenings available ART.16, ART.34 and ART.36. Connecting via plug-pin M / F for a quick and safe connection. 24Vdc or 100-230V power supply unit to be ordered separately.

Applications:

- shoe machines
- sewing machines
- eyelet machines
- cutting machines
- ironing machines
- presses for textile printing
- sealing machines

Colors available

R=red B=white V=green



Dimensioni

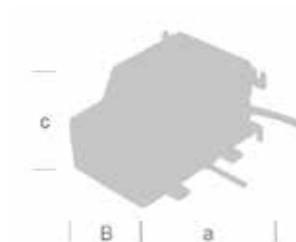
FOCALE	A (mm)	A1 (mm)	B (mm)	C (mm)
28	18	23,50	80	16
32	18	23,50	80	16
52	18	23,50	92	16
87	18	23,50	125	16



TECHNICAL FEATURES

	POINTER 1W	POINTER 3W
Tension	3,2 Vdc	3,2 Vdc
Power	1 W	3 W
Current	0,35 A	0,45 A
IP protection	IP40	IP40
LED type	Power LED	Power LED
LED lifespan	50.000 ore	50.000 ore
Light color	white, red or green	white, red or green
Structure	anodized aluminium	anodized aluminium
Cable	PVC L1,5m with jack	PVC L1,5m with jack
Fastening	ART.16, ART.34 or ART.36	ART.16, ART.34 or ART.36
Switch	unipolar on the psu	unipolar on the psu
Power supply	A7LED1W/A24LED1W	A11LED3W/A24LED3W

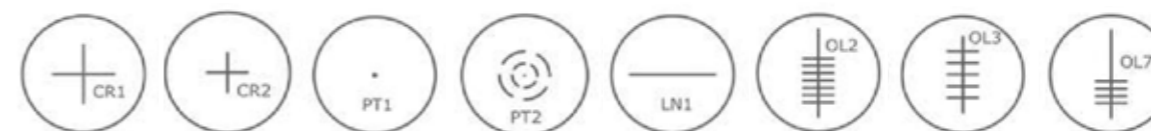
POWER SUPPLY (to be ordered separately)



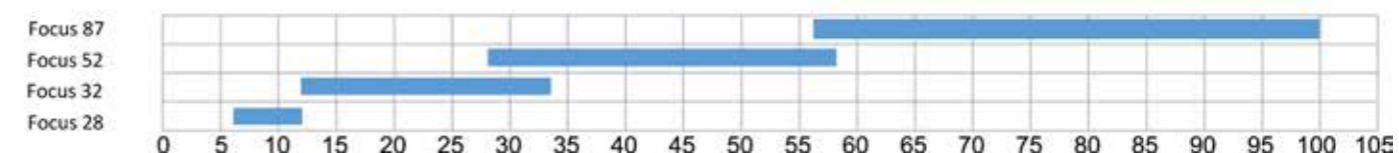
a	90 mm
b	55 mm
c	50 mm

Code	Vin	Current	Power	Cable
A24LED1W	10-52V	350 mA	1 W	PVC L1,5m
A24LED3W	10-52V	500 mA	3 W	PVC L1,5m
A7LED1W	100-230V	350 mA	1 W	PVC L1,5m with europlug
A11LED3W	100-230V	500 mA	3 W	PVC L1,5m with europlug

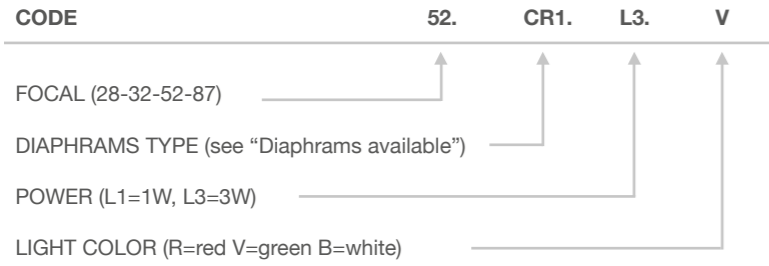
DIAPHRAMS AVAILABLE



FOCUS DISTANCE



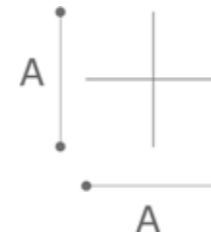
COMPOSITION SCHEME



Focals	Diaphragms	Colors	Power
28	CR1	RED (R)	1 W (L1)
32	CR2	GREEN (V)	3 W (L3)
52	PT1	WHITE (B)	
87	PT2		
	OL2		
	OL3		
	OL7		

PROJECTIONS DIMENSIONS

CR1

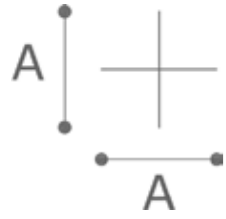


Height (cm)	Focal 28 (mm)	Focal 32 (mm)	Focal 52 (mm)	Focal 87 (mm)
5				
6				
7	10			
8	12.5			
9	14			
10	16.5			
11	18.5			
12		14		
13		15		
14		16		
15		18		
16		20		
17		22		
18		23.5		
19		24.5		
20		26		
21		27.5		
22		29.5		
23		30		
24		31.5		
25		34.5		
26		35.5	21.5	
27		37	22.5	
28		38.5	24	
29		40	25	
30		41.5	26	
31		43	27.5	
32		45	28.5	
33		46	29	
34		47.5	30.5	

Height (cm)	Focal 28 (mm)	Focal 32 (mm)	Focal 52 (mm)	Focal 87 (mm)
35		49	31.5	
36		51	33	
37		51.5	34	
38		53	34.5	
39		55	35.5	
40		56.5	36.5	
41			37.5	
42			38.5	
43			40.5	
44			40.5	
45			41.25	
46			42.5	
47			43.25	
48			44	
49			46.5	
50			47	
51			48	
52			49.5	
53			50	27.75
54			50.5	28.75
55			51.5	29.25
56			53	29.5
57			54	30
58			55	30.5
59			56	31.5
60			57.5	32.25
61			57.5	32.5
62			59	33.75
63				33.75
64				34.5
65				35.5
66				36
67				36.5
68				37.25
69				37.5
70				38.25
71				39
72				39.25
73				40
74				40.75
75				42
76				42
77				42.5
78				43

Height (cm)	Focal 28 (mm)	Focal 32 (mm)	Focal 52 (mm)	Focal 87 (mm)
79				44.5
80				45
81				45.25
82				46
83				47
84				47
85				48
86				48.5
87				48.75
88				49.5
89				50
90				51
91				51.75
92				52
93				52.75
94				53.255
95				54
96				54.25
97				54.75
98				55.5
99				56.5
100				56.5

CR2



Height (cm)	Focal 28 (mm)	Focal 32 (mm)	Focal 52 (mm)	Focal 87 (mm)
5				
6				
7	6.5			
8	8			
9	9.5			
10	10.5			
11	11.5			
12		9		
13		10		
14		11		
15		11.5		
16		12		
17		13		
18		14.5		
19		15		
20		16		
21		17		
22		18.25		
23		19		
24		19.25		
25		21		
26		22.5	13	
27		23	13.5	
28		23.5	14	
29		25	14.5	
30		25.5	16	
31		26	16.5	
32		27	17.5	
33		28	18	
34		29	18.5	

Height (cm)	Focal 28 (mm)	Focal 32 (mm)	Focal 52 (mm)	Focal 87 (mm)
35		29.5	19	
36		30.5	20	
37		32	20	
38		33	21	
39		33.5	21	
40		34	22	
41			22.5	
42			23.5	
43			24	
44			24.5	
45			25.5	
46			26	
47			26.5	
48			27	
49			27.5	
50			28	
51			28.5	
52			29.5	
53			30	
54			30.5	
55			30.5	18
56			31.5	18.5
57			32	18.75
58			32.5	19
59			34	19.5
60			34.5	19.75
61			35	20
62			35.5	20.5
63			35.5	21
64			36.5	21
65			37	21.5
66			38	22.25
67			38.5	22.5
68				22.75
69				23.25
70				23.5
71				24
72				24.5
73				24.75
74				25
75				25.5
76				25.75
77				26
78				26.5

Height (cm)	Focal 28 (mm)	Focal 32 (mm)	Focal 52 (mm)	Focal 87 (mm)
79				27
80				27.25
81				27.5
82				28
83				28.5
84				29
85				29.25
86				29.5
87				30
88				30.25
89				30.5
90				31
91				31.5
92				32
93				32.25
94				32.75
95				33
96				33.25
97				34
98				34.5
99				34.5
100				35

LN1

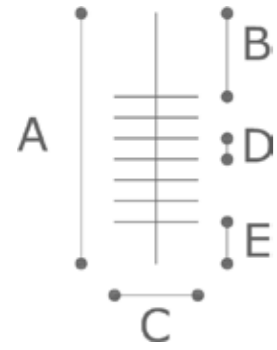


Height (cm)	Focal 28 (mm)	Focal 32 (mm)	Focal 52 (mm)	Focal 87 (mm)
5				
6				
7	15.5			
8	18.25			
9	21.5			
10	24			
11	26			
12		19.25		
13		21.25		
14		23.5		
15		26.5		
16		28.5		
17		30.25		
18		32.5		
19		35		
20		36.75		
21		38.75		
22		40.5		
23		43.25		
24		44.5	29.75	
25		47.5	30.5	
26		48.75	32.5	
27		51	33.75	
28		53.5	35.25	
29		55.25	36.5	
30		57	38	
31		59.25	39.5	
32		61	40.75	
33		64	42.5	
34		66	43.5	

Height (cm)	Focal 28 (mm)	Focal 32 (mm)	Focal 52 (mm)	Focal 87 (mm)
35		67.75	44.75	
36		70.25	46.5	
37		72	48	
38		73.75	49.5	
39		75.5	50.75	
40		78	53	
41			54	
42			55	
43			56.5	
44			58.25	
45			59.5	
46			60.25	
47			61.75	
48			64	
49			65.25	
50			66.25	
51			67.25	
52			68.75	39.5
53			70	40
54			71	41
55			73	41.75
56			75	42.5
57			75.75	43.5
58			77	44
59			78.5	44.5
60			79.75	45.5
61			81	46.75
62				47.5
63				48.25
64				49
65				50
66				50.75
67				52
68				52.5
69				53.5
70				54.5
71				56
72				56.5
73				57.25
74				58.5
75				59
76				59.5
77				60.25
78				61.5

Height (cm)	Focal 28 (mm)	Focal 32 (mm)	Focal 52 (mm)	Focal 87 (mm)
79				62.25
80				63.25
81				63.75
82				64.75
83				65.5
84				66.5
85				67.25
86				68.75
87				69.25
88				70.25
89				70.75
90				72
91				72.75
92				74
93				74.5
94				75
95				76
96				77.25
97				77.5
98				78.5
99				
100				

OL2

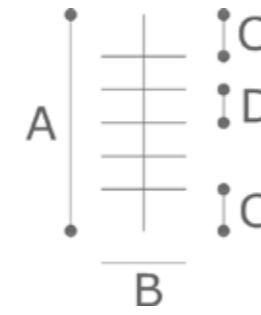


Height (cm)	Focal 28 (mm)					Focal 32 (mm)					Focal 52 (mm)					Focal 87 (mm)				
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
5																				
6																				
7	16.5	5.75	4.75	0.75	2															
8	19.75	6.75	5.75	1	2.5															
9	22.75	7.75	6.75	1.25	3															
10	26	8.75	7.75	1.5	3.25															
11	27.75	9.5	8.25	1.75	3.75															
12						19.75	6.75	6.25	1	2.75										
13						22.25	7.75	7.25	1.25	3										
14						24.5	8.5	8	1.5	3.5										
15						27.5	9.25	8.5	1.5	3.75										
16						29.25	10	9.25	1.75	4.25										
17						31.75	11	10	2	4.5										
18						34	11.5	10.5	2	4.75										
19						36.25	12.25	11.25	2	5										
20						38.5	13.25	12	2.25	5.5										
21						41	14	12.75	2.5	5.75										
22						43	14.5	13.25	2.5	6										
23						45.25	15.25	14	2.5	6.25										
24						47.75	16	14.5	3	6.5										
25						50	16.75	15.5	3	7										
26						51.75	17.5	16	3.25	7.25	31	10.5	9.75	1.75	4.25					
27						53.75	18	16.75	3.25	7.5	33.25	11.25	10.25	2	4.5					
28						56.25	19	17.5	3.25	7.75	34.5	11.75	10.75	2.25	4.75					
29						58.5	19.5	18.25	3.5	8	36.25	12.25	11.25	2.25	4.75					
30						61	20.5	18.75	3.75	8.5	38	12.75	11.5	2.25	5					
31						63	21.25	19.75	4	8.75	39.5	13.25	12	2.5	5.25					
32						65.75	22.25	20.25	4	9	41	13.75	12.75	2.5	5.5					
33						67	22.5	21	4	9.5	42	14.25	13.25	2.5	5.75					

Height (cm)	Focal 28 (mm)					Focal 32 (mm)					Focal 52 (mm)					Focal 87 (mm)				
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
34						69.75	23.5	21.75	4.25	9.75	43.5	14.75	13.5	2.5	6					
35						71.25	23.75	22.25	4.5	10	45.25	15.25	14	2.75	6.25					
36											46.5	15.75	14.5	2.75	6.5					
37											48.25	16.25	14.75	3	6.5					
38											49.75	16.75	15.5	3.25	7					
39											51.25	17.25	16	3.25	7.25					
40											53.25	18	16.5	3.5	7.5					
41											54	18.25	17.25	3.5	7.5					
42											55.5	18.5	17.5	3.5	7.75					
43											56.75	19.25	17.75	3.75	7.75					
44											58.5	19.75	18.5	3.75	8					
45											60	20	18.75	3.75	8.25					
46											61.5	20.75	19.25	4	8.5					
47											63	21	19.5	4	8.75					
48											64.75	21.75	20	4.25	8.75					
49											66	22	20.75	4.25	9.25					
50											68	22.75	21	4.25	9.25					
51											68.5	23	21.5	4.5	9.5					
52											70.5	23.75	22	4.5	9.75					
53											72	24.5	22.5	4.5	10	41.5	14.5	13	2.25	5.5
54											72.75	24.5	23	4.75	10	42.5	14.5	13.5	2.5	5.75
55											74.75	25	23.5	4.75	10.5	43.25	14.75	13.75	2.75	6
56											76.75	26	24	5	10.75	43.75	15	14	2.75	6.25
57											77.75	26.25	24.25	5	10.75	45	15.25	14.25	2.75	6.25
58											79.25	26.25	24.75	5.25	11	45.5	15.5	14.25	2.75	6.25
59											79.75	26.75	25	5.25	11.25	47.25	15.75	14.75	2.75	6.5
60											82.5	27.5	25.5	5.25	11.5	48.25	16.25	15.25	3	6.5
61											82.75	27.75	26	5.25	11.5	49.25	16.75	15.5	3	6.5
62											84.5	28.25	26.5	5.25	11.75	49.75	17	15.75	3	6.75
63																50.5	17.25	16	3	7
64																51.5	17.5	16.25	3	7.25
65																52.5	17.75	16.5	3.25	7.25
66																53.25	18	16.75	3.25	7.25
67																54.25	18.25	17	3.25	7.25
68																55.25	18.5	17.25	3.25	7.5
69																56.25	19	17.75	3.5	7.5
70																57.25	19.25	18	3.5	7.5
71																57.5	19.25	18	3.5	8
72																58.75	19.5	18.5	3.75	8.25
73																60.25	20.25	19	3.75	8.25
74																60.75	20.25	19	3.75	8.25
75																61.25	20.5	19.25	3.75	8.5
76																62.5	21	19.5	4	8.5

Height (cm)	Focal 28 (mm)					Focal 32 (mm)					Focal 52 (mm)					Focal 87 (mm)				
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
77															63.5	21.25	19.75	4	9	
78															64.25	21.5	20.25	4	9	
79															65.25	21.75	20.5	4	9	
80															65.75	22	20.75	4	9.25	
81															67.25	22.25	21.25	4.25	9.25	
82															68.5	23	21.75	4.25	9.5	
83															69.25	23.25	21.5	4.25	9.5	
84															69.75	23.25	21.75	4.25	9.5	
85															71.25	23.5	22.25	4.5	9.75	
86															71.75	23.75	22.5	4.5	9.75	
87															72.5	24.25	22.5	4.5	10.25	
88															73.75	24.75	23.25	4.75	10.25	
89															74.75	24.75	23.5	4.75	10.5	
90															75	25.25	23.5	4.75	10.5	
91															76	25.25	24	4.75	10.5	
92															77	25.75	24.25	5	10.5	
93															78.5	26	24.75	5	11	
94															79.5	26.75	25	5	11	
95															80.75	27	25.5	5	11	
96															81	27	25.75	5	11	
97															82.25	27.5	25.75	5.25	11.25	
98															82.5	27.75	26	5.25	11.5	
99															83.75	28	26.5	5.25	11.75	
100															85.25	28.5	26.75	5.25	11.75	

OL3



Height (cm)	Focal 28 (mm)				Focal 32 (mm)				Focal 52 (mm)				Focal 87 (mm)						
	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D			
5																			
6																			
7	12.75	5	2.25	1.5															
8	15.75	6.25	2.75	1.75															
9	19	7.5	3.25	2															
10	21	8.25	3.75	2.5															
11	24.25	9.5	4.25	2.75															
12					18	7.5	3	2											
13					20	8	3.75	2.25											
14					22	9	4	2.5											
15					24.25	9.75	4.25	2.75											
16					26	10.5	4.75	3											
17					28.5	11.5	5	3.25											
18					30	12	5.5	3.5											
19					32.5	13	5.75	3.75											
20					34.75	14	6	4											
21					35.5	14.5	6.25	4.25											
22					38.5	15.5	6.75	4.5											
23					40.5	16	7.25	4.75											
24					42	16.5	7.5	5											
25					44	17	7.5	5.25											
26					46	18	8.25	5.5	27.5	10.5	5	3.25							
27					48	19	8.5	5.5	28	11	5	3.5							
28					50	20	8.75	6	30	11.5	5.25	3.75							
29					52	20.5	9	6	31	12	5.5	3.75							
30					53	21	9.5	6.5	33	12.75	5.75	4							
31					57	22	9.75	6.5	34	13.5	6	4							
32					57.5	22.5	10.25	7	35	13.75	6.25	4.25							
33					60	23.5	10.5	7.25	36.5	14	6.5	4.5							

Height (cm)	Focal 28 (mm)				Focal 32 (mm)				Focal 52 (mm)				Focal 87 (mm)			
	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
34					61	24	11	7.5	38.5	15	6.75	4.5				
35					64	25.5	11.25	7.75	39.5	15.5	7	5				
36									41	16	7	5				
37									42	16.5	7.5	5				
38									43.5	17	7.75	5.25				
39									45	17.5	8	5.5				
40									46.5	18	8.25	6				
41									47.5	18.5	8.25	6				
42									49	19	8.75	6				
43									49.5	19.25	8.75	6				
44									51.5	20	9	6.5				
45									52	20.5	9.5	6.5				
46									54	21	9.5	6.5				
47									55.5	21.5	9.75	6.75				
48									57	22	10	7				
49									57.5	22.5	10	7				
50									58.5	23	10.5	7				
51									60	23.5	10.5	7.5				
52									62.5	24	11	7.5				
53									63.5	24.5	11	7.75				
54									65	25	11.5	8				
55									67	26	11.75	8	37.5	14.75	7	4.5
56									68	26.5	12	8.25	38	14.75	7	4.5
57									70	27.5	12	8.25	38.5	15.25	7.5	4.75
58									70.5	27.5	12.5	8.5	39	15.5	7.5	5
59									71.5	27.5	12.5	8.75	40.25	15.75	7.5	5
60									72	27.75	12.5	9	41	16	7.5	5
61									73.5	28.5	12.75	9.25	41.25	16.25	8	5.25
62									74.5	29	13.25	9.25	42.5	16.5	8	5.25
63									76.5	29.75	13.5	9.5	44	17.25	8.25	5.25
64									77.25	29.75	13.5	9.75	44.5	17.5	8.25	5.5
65									79	30.5	14	9.75	44.75	18	8.25	5.5
66													45.75	18	8.5	5.5
67													46.5	18.5	8.5	5.5
68													47.5	18.75	8.75	5.75
69													48.5	19	9	5.75
70													49.5	19.5	9	6
71													50.25	19.5	9.25	6.25
72													51	20	9.5	6.25
73													51.75	20.25	9.5	6.5
74													52.5	20.5	9.75	6.5
75													53.25	21	9.75	6.75
76													54	21.5	9.75	6.75

Height (cm)	Focal 28 (mm)				Focal 32 (mm)				Focal 52 (mm)				Focal 87 (mm)							
	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D				
77																	54.25	21.25	10	6.75
78																	55.25	21.5	10	6.75
79																	56.5	21.75	10	7
80																	57.5	22.5	10.5	7
81																	58.25	23	10.75	7.25
82																	59.5	23	10.75	7.25
83																	60	23.25	10.75	7.5
84																	61	23.5	10.75	7.5
85																	61.5	23.75	11	7.5
86																	62.5	24.25	11.5	7.75
87																	63.25	24.5	11.5	7.75
88																	64	24.75	11.5	7.75
89																	65.25	25.25	11.75	8
90																	66.5	26	11.75	8
91																	67.5	26.25	12	8.25
92																	67.75	26.25	12.25	8.5
93																	68.5	26.5	12.25	8.5
94																	69	26.5	12.5	8.5
95																	69	26.75	12.5	8.5
96																	71	27.5	12.5	8.5
97																	72	28	13	8.75
98																	72	28	13	9
99																	73.5	28.5	13.5	9
100																	74.25	28.5	13.5	9



Laser pointers. Versatile and powerful,
for each application.

C.C.E.A. produces laser pointing systems since 1990 with the aim of providing a lasting and powerful solution for the alignment and positioning of materials in multiple sectors. C.C.E.A. lasers can be used in cutting machines for wood / stone / fabrics and paper, as crop marks for food, for the alignment of sheet metal and positioning of wheels and in the textile industry as a positioning aid and alignment of the fabrics.

C.C.E.A. produces positioning laser in different versions, including two colors, green and red, 3 holograms and a power of 12 mW laser system.

The pointing systems facilitate the workflow and optimize the production process. Our products provide high performance and high quality diaphragms.

RED LASER POINTER

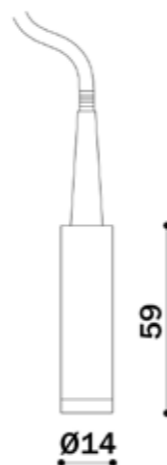
Technical datasheet



Red laser system with 3 holograms available, point-line-cross.
Resistant to vibration, fastening with Art.36. Connecting via M / F plug-pin for a fast and secure connection.
230V power supply to be ordered separately.

Applications:

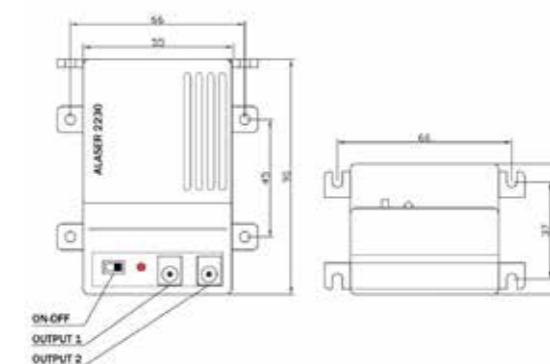
- textile positioning and cutting
- cutting machines for stone, wood and paper
- metal sheets alignment
- crop marks for food (meat, vegetables, fish)
- positioning of wheels



TECHNICAL FEATURES

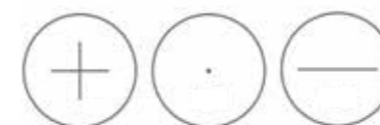
	WEAK LASER	BRIGHT LASER
Power supply	230 V	230 V
Power	1 mW	3 mW
Current	40 mA	40 mA
IP degree	IP40	IP40
Class of risk	2 (EU)	3R (EU)
Laser lifespan	4.000 h	4.000 h
Wavelength	645 - 665 nm	645 - 665 nm
Beam color	Red	Red
Collimating lens	Plastic aspheric lens	Plastic aspheric lens
Structure	anodized aluminium	anodized aluminium
Cable	PVC L1,5m with jack	PVC L1,5m with jack
Divergence	1.2 mrad	1.2 mrad
Fastening	ART.36	ART.36
Switch	unipolar on the psu	unipolar on the psu

POWER SUPPLY UNIT (to be ordered separately)



Code	Power supply	Vout	Iout	Power	Cable
ALASER2230	230V	2.3 Vdc	40 mA	1,2 W	PVC L1,5m with europlug

HOLOGRAMS AVAILABLE



PROJECTION DIMENSION

Code	h.10cm	h.20cm	h.30cm	h.40cm	h.60cm	h.80cm	h.100cm	h.120cm	h.150cm
LR.14.LD	20cm	40cm	60cm	70cm					
LR.14.LF				70cm	100cm	120cm	145cm	160cm	190cm

Code	h.10cm	h.20cm	h.30cm	h.40cm	h.60cm	h.80cm	h.100cm	h.120cm	h.150cm
LR.14.LD	15x15mm	25x25mm	45x45mm						
LR.14.LF				65x65mm	95x95mm	125x125mm	155x155mm	185x185mm	230x230mm

ORDER CODES

LR.14.PD	weak point - 1 mW	LR.14.LD	weak line - 1 mW	LR.14.CD	weak cross - 1 mW
LR.14.PF	bright point - 3 mW	LR.14.LF	bright line - 3 mW	LR.14.CF	bright cross - 3 mW

GREEN LASER POINTER

Technical datasheet

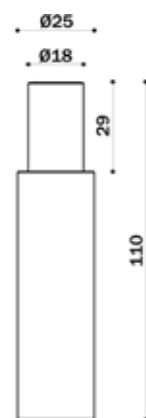


Green laser pointer system with 3 holograms available, point-line-cross. Resistant to vibrations, high degree of protection IP65, fastening with ART.16, ART.34 and ART.36.

230V power supply unit to be ordered separately.

Applications:

- textile positioning and cutting
- cutting machines for stone, wood and paper
- metal sheets alignment
- crop marks for food (meat, vegetables, fish)
- positioning of wheels

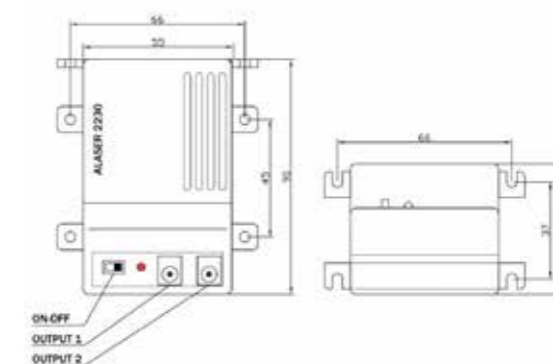


TECHNICAL FEATURES

GREEN LASER

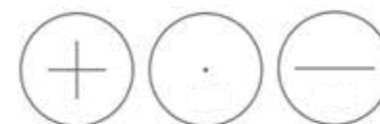
Tension	2,7-3,3V
Power	1-5mW
Current	250- 350mA
IP degree	IP65
Class of risk	3A
Laser lifespan	4.000 h
Wavelength	532 nm
Light color	green
Collimating lens	glass (Ø 6,5mm)
Structure	anodized aluminum
Cable	PVC L1,5m with jack
Divergence	< 0,3 mrad
Fastening	ART.16, ART.34 or ART.36
Switch	unipolar on the psu

POWER SUPPLY UNIT (to be ordered separately)



Code	Power supply	V out	Iout	Power	Cable
A7LR.V	230V	3,2 V	250 mA	3,5 W	PVC L1,5m with europlug

DIAPHRAGMS AVAILABLE



PROJECTIONS DIMENSIONS

Code	h.20cm	h.30cm	h.40cm	h.60cm	h.80cm	h.100cm	h.200cm	h.300cm
LR.25.LV	35cm	50cm	65cm	100cm	135cm	170cm	330cm	480cm

ORDER CODES

LR25PV	point - green	LR25LV	line - green	LR25CV	cross - green
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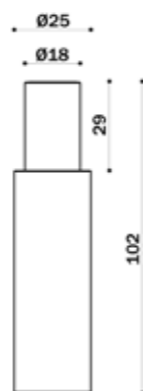
GRAY12

Technical datasheet



Power red laser with 12 mW, line hologram available.
Resistant to vibrations, high degree of protection IP65. Three fastenings available ART.16, ART.34 e ART.36.
230V power supply unit to be ordered separately.

- Applications:
- textile positioning and cutting
 - cutting machines for stone, wood and paper
 - metal sheets alignment
 - crop marks for food (meat, vegetables, fish)
 - positioning of wheels

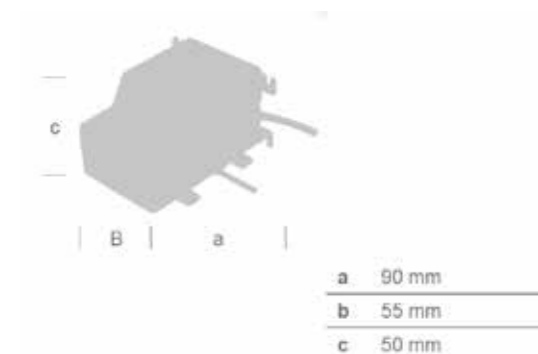


TECHNICAL FEATURES

GRAY12

Tension	2,6 - 5 Vdc
Power	12 mW
Current	< 100 mA
IP degree	IP65
Class of risk	2
Laser lifespan	10.000 h
Wavelength	645 - 665
Beam light	red
Collimating lens	glass (Ø 6,5mm)
Structure	anodized aluminium
Cable	PVC L1,5m with jack
Beam	>90°
Fastening	ART.16, ART.34 o ART.36
Switch	unipolar on the psu

POWER SUPPLY UNIT (to be ordered separately)



Code	Power	Vin	Vout	Iout	Cable
AGRAY20	20 mW	230 V	100 mA	100 mA	PVC L1,5m with europlug

HOLOGRAMS AVAILABLE



PROJECTIONS DIMENSIONS

Distance	1,00 m	2,00 m	3,00 m	4,00 m	5,00 m
GRAY12	150 cm	310 cm	450 cm	550 cm	700 cm

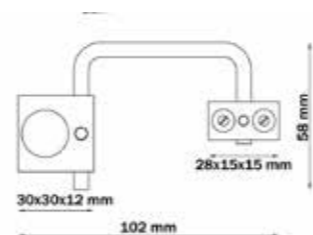
ORDER CODES

GRAY12 line - red

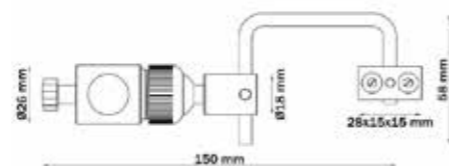
FASTENINGS



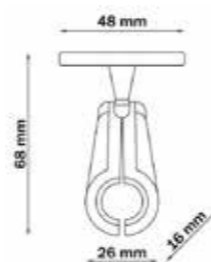
Code	Description	Fastening
ART.16	Metallic arm	Screws



Code	Description	Fastening
ART.34	Articulated arm	Screws



Code	Description	Fastening
ART.36	ABS arm	Screws



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