

**RASNEL
LASER**



www.rasnellaser.com

Industrial laser technology

Products catalogue 2008

Laser pointers

Laser lines

2D Laser projectors

Laser sensors

Laser scanners

Alignment Laser systems

Laser measuring

Laser safety barriers

Mod. ORT

RED DIODE LASER LIGHT

Laser Line with red light for industrial uses. Completely waterproof, different powers between 10 and 30mW. Integrated voltage supply 100/220Vac or 12/24 Vdc/Vac, 50 – 60 Hz. Line lenght from 3,5m to 12m. Main features: high shock resistance, high reliability, great compactness.



Mod ORT Integrated voltage supply 100/240 V

Code	Model	Power	Length line	Dimensions
980041	10 ORT	10mW 635nm	3 – 4 m.	45mm x 165mm
980042	15 ORT	15mW 635nm	4 – 5 m.	45mm x 165mm
980043	20 ORT	20mW 635nm	6 – 8 m.	45mm x 165mm
980047	30 ORT	30mW 635nm	9 – 12 m.	45mm x 165mm

Mod ORT 24 Integrated voltage supply 12 to 30 Vac/ Vdc

Code	Model	Power	Length line	Dimensions
980041B	10 ORT 24V	10mW 635nm	3 – 4 m.	45mm x 165mm
980042B	15 ORT 24V	15mW 635nm	4 – 5 m.	45mm x 165mm
980043B	20 ORT 24V	20mW 635nm	6 – 8 m.	45mm x 165mm
980047B	30 ORT 24V	30mW 635nm	9 – 12 m.	45mm x 165mm

All our laser devices are complying at all safety normatives:
DIN EN 60825-1- IEC 825-1 - DIV CLASS - I&II -VDE 0837
We stated all safety and quality test has been done from NEMKO certifier.

Mod. ORT 90°

RED DIODE LASER LIGHT

Laser Line with red light for industrial uses. Line optical angle deflection at 90°. Completely waterproof, different powers between 12 and 30mW. Integrated voltage supply 100/220Vac or 12/24 Vdc/Vac, 50 – 60 Hz. Line lenght from 4m to 12m.

Main features: high shock resistance, high reliability, great compactness.



MOD. ORT 90° Long/Short - Voltage Supply 100/240 V

Code	Model	Power	Line length	Dimensions
000000	12 OR90° Long	12mW	4 – 5 m.	45mm x 210mm
000001	17 OR90° Long	17mW	6 – 8 m.	45mm x 210mm
000003	20 or90° Long	20mW	7 - 9 m	45mm x 210mm
000004	30 OR90°Long	30mW	9 – 12 m.	45mm x 210mm

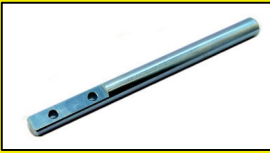
Code	Model	Power	Line length	Dimensions
000000A	12 OR90° Short	12mW	4 – 5 m.	45mm x 165mm
000001A	17 OR90° Short	17mW	6 – 8 m.	45mm x 165mm
000003°	20OR90°Short	20mW	7 – 9 m	45mm x 165mm
000004A	30 OR90° Short	30mW	9 – 12 m.	45mm x 165mm

All our laser devices are complaying at all safety normatives:

DIN EN 60825-1- IEC 825-I - DIV CLASS - I&II -VDE 0837

We stated all safety and quality test has been done from NEMKO certifier.

Equipments Ort/Orv

Codice	Accessori	Descrizione
606060	Multidirectional bracket ORT	
606061	Monodirectional bracket ORT	
606063	Chromate fixing rod 300mm. Diam. 20mm. (606060).	
606064	Chromate fixing rod 500mm. Diam. 20mm. (606060).	
606065	Switch on/off	
CVT5	Cable +conn M12 24V 5m	
CVT10	Cable +conn M12 24V 10m	
CVT15	Cable +conn M12 24V 15m	
606059	Bracket reduction gear diameter from 55 to 45mm	

Mod. ORV

GREEN DIODE LASER LIGHT

Laser Line with green light for industrial uses. Completely waterproof, different powers between 20 and 80 mW. External voltage supply 100/240Vac; 50 – 60 Hz. Line length from 12m to 30m. Main features: high shock resistance, high reliability , great compactness. Ideal for working in presence of sunlight.



Green diode light - Voltage Supply 100/240 Vac

Code	Model	Power	Line length	Dimensions
980045	20 ORV24	20mW	9 - 12 m.	45mmx 380mm
980049	30 ORV 24	30mW	15 - 18 m.	45mmx 380mm
980049C	80 ORV 24	80mW	25 - 30 m.	45mmx 380mm

All our laser devices are complying at all safety normatives:
DIN EN 60825-1- IEC 825-1 - DIV CLASS - I&II -VDE 0837
 We stated all safety and quality test has been done from NEMKO certifier.

Mod. ORV 24V

GREEN DIODE LASER LIGHT

Laser Line with green light for industrial uses. Completely waterproof, different powers between 20 and 80 mW. External voltage supply 12-24Vdc/Vac; 50 – 60 Hz. Line length from 12m to 30m.

Main features: high shock resistance, high reliability , great compactness.

Ideal for working in presence of sunlight.



Green laser diode - Voltage supply 12-24Vdc/Vac

Code	Model	Power	Line length	Dimensions
98004524	20 ORV	20mW	9 - 12 m.	45mmx 380mm
98004924	30 ORV	30mW	15 - 18 m.	45mmx 380mm
980049C24	80 ORV	80mW	25 - 30 m.	45mmx 380mm

All our laser devices are complying at all safety normatives:

DIN EN 60825-1- IEC 825-1 - DIV CLASS - I&II -VDE 0837

We stated all safety and quality test has been done from NEMKO certifier.

Mod. SET

RED DIODE LASER LIGHT

Laser lines and pointers with red light. Ideal for industrial uses. Very compact dimensions.

Completely waterproof with an external voltage supply for 100/240 Vac 50/60 Hz, or incorporated in the version 12 -30

Vdc/Vac. Powers from 1 to 30mW,

Set lasers could project lines, points, crosses.



MOD. SET - External voltage supply 100/240 V

Code	Model	Power	Line length	Dimensions
980020	1 SET	1mW 635nm	80 mm	20mm x 80mm
980021	3 SET	3mW 635nm	1,5 m	20mm x 80mm
980022	5 SET	5mW 635nm	2,5 m	20mm x 80mm
980023	10 SET	10mW 635nm	3 – 4 m.	20mm x 80mm
980024	15 SET	15mW 635nm	4 – 5 m.	20mm x 80mm
980025	20 SET	20mW 635nm	6 – 8 m.	20mm x 80mm
980028	30 SET	30mW 635nm	9 – 12 m.	20mm x 80mm

MOD. SET 24 - Integrated voltage supply 12-24 Vac/Vdc

Code	Model	Power	Line length	Dimensions
980020A	1 SET	1mW	80 mm	20mm x 100mm
980021A	3 SET	3mW	1,5 m	20mm x 100mm
980022A	5 SET	5mW	2,5 m	20mm x 100mm
980023A	10 SET	10mW	3 – 4 m.	20mm x 100mm
980024A	15 SET	15mW	4 – 5 m.	20mm x 100mm
980056A	20 SET	20mW	6 – 8 m.	20mm x 100mm
980057A	30 SET	30mW	9 – 12 m.	20mm x 100mm

All our laser devices are complying at all safety normatives:

DIN EN 60825-1- IEC 825-I - DIV CLASS - I&II - VDE 0837

We stated all safety and quality test has been done from NEMKO certifier.

GREEN DIODE LASER LIGHT

**Laser lines and pointers with green light. Ideal for industrial uses. Very compact dimensions.
Completely waterproof with incorporated voltage supply 24Vdc. Powers from 5 to 30mW,
Set lasers could project lines, points, crosses.**



MOD. SET GREEN Green laser diode – Voltage Supply 24Vdc

Code	Model	Power	Length line	Dimensions
980029	5 SET 24	5mW	2,5 m	20/30mm x 250mm
980029	10 SET 24	10mW	3 – 4 m.	20/30mm x 250mm
980029C	20 SET 24	20mW	6 – 8 m.	20/30mm x 250mm
980029E	30 SET 24	30mW	9 – 12 m.	20/30mm x 250mm

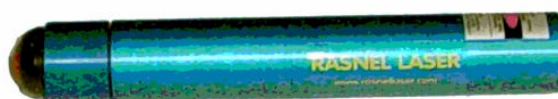
All our laser devices are complying at all safety normatives:
DIN EN 60825-1- IEC 825-1 - DIV CLASS - I&II -VDE 0837
We stated all safety and quality test has been done from NEMKO certifier.

Equipments SET Models

Code	Equipments	
606070	Bracket St. Set	
606015	Bracket Nw Set	
606071	Bracket Nw micrometric.	
CVT5	Cable + conn. M12 24V 5 m.	
CVT10	Cable + conn. M12 24V 10 m.	
CVT15	Cable + conn. M12 24V 15 m.	
606017B	Power supply 110V din 1 output 5V	
606017	Power supply 220V din 1 output 5V	
606018	Power supply 12/24 Vdc/Vac din 1 output 5V	
606037	Forward protection diam.20mm	
606014	Cross optic (cross max. 10x10cm)	
606014C	Holographic cross pattern	

Mod. TB OR/OP

RED DIODE LASER LIGHT



Code	Model	Power	Length line	Dimensions
980083	1 TB or	1mW	80 mm	20mm x 95mm
980084	1 TB op	1mW	Point	20mm x 95mm
980085	5 TB or	5mW	2,5 m	20mm x 95mm
980086	5 TB op	5mW	Point	20mm x 95mm
980087	10TB0P	10mW	Point	20mm x95mm
980088	10TB0r	10mW	3,5mt	20mm x95mm
980088	Tenuta stagna	IP 68		

Mod. CROSS SET

DOUBLE RED DIODE LASER LIGHT

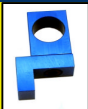


MOD. CROSS SET - Double red diode – Voltage supply 100/240

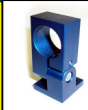
Code	Model	Power	Length line	Dimensions
980030	1 SET	1mW	80 x 80 mm	
980031	3 SET	3mW	1,5 x 1,5 m	
980032	5 SET	5mW	2,5 x 2,5 m	
980033	10 SET	10mW	3 x 3 m.	
980034	15 SET	15mW	4 x 4 m.	
980026	20 SET	20mW	6 x 6 m.	
980027	30 SET	30mW	9 x 9 m.	

All our laser devices are complying at all safety normatives:
DIN EN 60825-1- IEC 825-1 - DIV CLASS - I&II - VDE 0837
 We stated all safety and quality test has been done from NEMKO certifier.

Equipments TB

Code	Equipments	
606070	Bracket St. Set	
606015	Bracket Nw Set	
606037	Forward protection diam.20mm	
606014	Holographic cross optic	

Equipments CROSS SET

Code	Equipments	
606015B	Bracket Nw. Cross Set	
606010	Cable for m.	
606017	Voltage supply 220V din 1 output 5Vdc	
606018	Voltage supply 12/24Vac/Vdc din1 output 5Vdc	
606017B	Voltage supply 110V din 1 output 5Vdc	
606037C	Forward protection 38mm	



Oem M12



OEM



OEM open frame



OEM flex

Code	Model	Power	Dimensions	
980001A	1 Oem M12	1mW650 nm	M12 12mmx 35mm	
980001	1 OEM Open frame	1mW650 nm	12mmx 35mm	
980002	3 OEM Open frame	3mW650 nm	12mmx 40mm	
980003	5 OEM Open frame	5mW650 nm	12mmx 40mm	
980001c	1 OEM Flex	1mW650 nm	12mmx 45mm	
980002c	3 OEM Flex	3mW650 nm	-12mmx 45mm	
980003c	5 OEM flex	5mW650 nm	12mmx 45mm-	

All our laser devices are complying at all safety normatives:
DIN EN 60825-1- IEC 825-1 - DIV CLASS - I&II -VDE 0837
 We stated all safety and quality test has been done from NEMKO certifier.

Code	Equipments	
606018A	Integrated Voltage supply 24 Vdc(driver smd)	
606015f	Bracket Nw PVC	
606070A	Bracket St PVC	
606033	Anodized case diam. 12 x 50mm	
606033A	Anodized case for 24Vdc(606018A) diam. 12x70mm	
606032	PVC case diam. 12x60mm.	
606029	Trimmer for power regulation on the top of laser	
606029A	Trimmer for power regulation on the top of laser at 90°	
606014	Holographic cross optic.	 
606002B	Line optic.	
606010A	Cable for m.	
606016B	Wall voltage supply Alim. 100/240V (cable 1,5 m)	
606017B	Voltage supply 110V din 1 output 5Vdc	
606017	Voltage supply 220V din 1 output 5Vdc	
606019	4 Batteries voltage. PVC case max 2 outputs.	
606014B	Glass protection.	
606040	Cable at 90°.	

Alignment Quarry System 10M360

RED DIODE LASER LIGHT



Code	Model	Description	Weight
980050	10M360	3 Assi micrometrico 5 Mw	5kg

Code	Equipments	
980050A	Additional 10 mW	
980052	Additional 15 mW	
980052A	Additional 20 mW	
980052B	Additional 30 mW	
980053	Fly case waterproof	
	Installation	
980053D	Stamin batteries	

All our laser devices are complying at all safety normatives:
DIN EN 60825-1- IEC 825-I - DIV CLASS - I&II - VDE 0837
 We stated all safety and quality test has been done from NEMKO certifier.

Electronic measuring meter MD 4000

FOR MARBLE & STONE BRIDGE CUTTING MACHINERY.



Code	Model	Description	Features
980051	MD 4000	For horizontal reading	Complete of 4m rack mod 1, encoder 500 and control box
980054	MV 1000	For vertical reading	Complete of 1m rack mod 1, encoder 500 and control box

Code	Equipments	
980055A	Control Box mod 1 15x15x2000	

LD 40 & Analogic devices



Code	Model	Measuring range	Accuracy	Dimensions
96402	LD 40	400mm to 80000mm	1mm	212mmx96mmx50mm
96300	Lm 50	50mm+/- 10mm	0,1mm	96mmx35mmx48mm
96302	Lm 80	80mm+/-20mm	0,1mm	96mmx35mmx48mm
96301	Lm 150	130mm+/- 30mm	0,2mm	96mmx35mmx48mm

All our laser devices are complying at all safety normatives:
DIN EN 60825-1- IEC 825-1 - DIV CLASS - I&II -VDE 0837
 We stated all safety and quality test has been done from NEMKO certifier.

2D CAD GENERATOR Laser Projector

GREEN - RED DIODE LASER LIGHT



Code	Model	Description	Accuracy	Dimensions
980093new	2D cad gen red	2D Red light projector - software- cables	1mm/3mt	280mmX110X110mm
980093 green new	2D cad gen green	2D Red light projector- software- cables	1mm/3mt	280mmX110X110mm
	Training	Training period 16 hours		
	Installation	8 hours		
980097	Hard lok	Additional software key		
980097A	Hard lokx2	Additional software key to work with 2 devices.		

All our laser devices are complying at all safety normatives:
DIN EN 60825-1- IEC 825-1 - DIV CLASS - I&II -VDE 0837
 We stated all safety and quality test has been done from NEMKO certifier.

Optoelectric photocell Tx-Rx

WITH VISIBLE RED BEAM



Code	606044
Beam N.	1 - 1mW 660nm
Dimensions	45mm x 120mm
Voltage supply	24Vdc
Range	30mt
Output	relè
Answer time	8ms

All our laser devices are complying at all safety normatives:
DIN EN 60825-1- IEC 825-1 - DIV CLASS - I&II -VDE 0837
We stated all safety and quality test has been done from NEMKO certifier.

Optoelectric photocell

Mod. REFLEX

WITH VISIBLE RED BEAM



Code	B1ref
Beam N.	1 - 1mW 660nm
Dimensions	20mm x 110mm
Violtage supply	24Vdc
Range	10 mt
Output	relè
Answer time	10ms

Cable M12 5m	
Cable m12 10m	
Cable M12 15m	

All our laser devices are complying at all safety normatives:
DIN EN 60825-1- IEC 825-1 - DIV CLASS - I&II -VDE 0837
 We stated all safety and quality test has been done from NEMKO certifier.

Laser Scanner Mod. **ULISSE**

FOR CNC MACHINERY



Code	Model	Measuring range	Accuracy
980090	Ulisse 80	80mm	0,5mm
980091	Ulisse 100	100mm	1mm
980092	Ulisse 150	150mm	1,5mm
980093	Ulisse 200	200mm	2mm
980076	Additional Hard lock		
	Training		

All our laser devices are complying at all safety normatives:
DIN EN 60825-1- IEC 825-1 - DIV CLASS - I&II - VDE 0837
 We stated all safety and quality test has been done from NEMKO certifier.

All our optoelectronic safety barriers are certified CE from the certifier NEMKO and are conforming to:
 - 98/37/EEC Machine Directive
 - 73/23/EEC Low Voltage directive
 - 89/336/EEC Electromagnetic Compatibility Directive
 - EN 61496-1 and IEC 61496-1-2 Electrosensitive protection devices.

Hand detection 35mm

Laser Safety Barriers

WITH VISIBLE LASER LIGHT



Safety Class 2

Code	B10352	B14352	B16352	B18352	B24352	B30352	B36352	B44352
Protected height mm	315	455	525	595	805	1015	1225	1505
Total barriere height mm	465	605	675	745	955	1165	1375	1655
Number of beams	10	14	16	18	24	30	36	44
Max. range	60m							
Resolution	35							
Cross section dimensions	38 x 58							

Safety Class 4

Code	B10354	B14354	B16354	B18354	B24354	B30354	B36354	B44354
Protected height mm	315	455	525	595	805	1015	1225	1505
Total barriere height mm	465	605	675	745	955	1165	1375	1655
Number of beams	10	14	16	18	24	30	36	44
Max. range	60m							
Resolution	35							
Cross section dimensions	38 x 58							

Hand detection 40mm

Laser Safety Barriers

WITH VISIBLE LASER LIGHT



Safety Class 2

Code	B10402	B12402	B14402	B16402	B22402	B26402	B32402	B40402
Protected height mm	360	440	520	600	840	1000	1240	1320
Total barriere height mm	510	590	670	750	990	1150	1390	1710
Number of beams	10	12	14	16	22	26	32	40
Max. range	60m							
Resolution	40							
Cross section dimensions	38 x 58							

Safety Class 4

Code	B10404	B12404	B14404	B16404	B22404	B26404	B32404	B40404
Protected height mm	360	440	520	600	840	1000	1240	1320
Total barriere height mm	510	590	670	750	990	1150	1390	1710
Number of beams	10	12	14	16	22	26	32	40
Max. range	60m							
Resolution	40							
Cross section dimensions	38 x 58							

Detection of the body trough access control 50mm

Laser Safety Barriers

WITH VISIBLE LASER LIGHT



Safety Class 2

Code	B8502	B10502	B12502	B14502	B18502	B22502	B26502	B32502
Protected height mm	350	450	550	650	850	1050	1250	1550
Total barriere height mm	500	600	700	800	1000	1200	1400	1700
Number of beams	8	10	12	14	18	22	26	32
Max. range	60m							
Resolution mm	50							
Cross section dimensions	38 x 58							

Safety Class 4

Code	B8504	B10504	B12504	B14504	B18504	B22504	B26504	B32504
Protected height mm	350	450	550	650	850	1050	1250	1550
Total barriere height mm	500	600	700	800	1000	1200	1400	1700
Number of beams	8	10	12	14	18	22	26	32
Max. range	60m							
Resolution mm	50							
Cross section dimensions	38 x 58							

Detection of the body

Laser Safety Barriers

WITH VISIBLE LASER LIGHT

Safety Class 4

Code	B290 2	B490 2	B690 2	B890 2	B1090 2	B1290 2	B1490 2	B1890 2
Protected height mm	190	270	450	630	810	990	1170	1530
Total barriere height mm	240	420	600	780	960	1140	1320	1680
Number of beams	2	4	6	8	10	12	14	18
Max. range	60m							
Resolution mm	90							
Cross section dimensions	38 x 58							

Safety Class 4

Code	B290 4	B490 4	B690 4	B890 4	B1090 4	B1290 4	B1490 4	B1890 4
Protected height mm	90	270	450	630	810	990	1170	1530
Total barriere height mm	240	420	600	780	960	1140	1320	1680
Number of beams	2	4	6	8	10	12	14	18
Max. range	60m							
Resolution mm	90							
Cross section dimensions	38 x 58							



Laser Safety Barriers

WITH VISIBLE LASER LIGHT

Safety Class 2

Code	B25002	B43002	B62002
Protected height mm	500	900	1000
Total barriere height mm	600	1000	1100
Number of beams	2	4	6
Max. range	60m		
Resolution	500	300	200
Cross section dimensions	38 x 58		

Safety Class 4

Code	B25004	B43004	B62004
Protected height mm	500	900	1000
Total barriere height mm	600	1000	1100
Number of beams	2	4	6
Max. range	60m		
Resolution	500	300	200
Cross section dimensions	38 x 58		





Code	B1
Number of beams	1
Dimensions mm	50 x 30 x 80
Range	60m

Control Box Class 2 and 4

Code	BK2 (Class 2)	BK4 (Class 4)
Dimensions	110 x 85 x 30	
Functions	Muting-override -autorestart	Muting-override -autorestart

Control unit type 2 and 4



Code	MDS ck2	MDSck4
Dimensions	110 x 85 x 20	
Class	2	4

Hand detection 35mm

Barriers deflection mirrors

WITH VISIBLE LASER LIGHT



Safety Class 2

Code	B5D352	B7D352	B8D352	B9D352	B12D352	B15D352	B18D352	B22D352
Protected height mm	315	455	525	595	805	1015	1225	1505
Total barriere height mm	465	605	675	745	955	1165	1375	1655
Number of mirrors on deflection column	10	14	16	18	24	30	36	44
Number of beams	10	14	16	18	24	30	36	44
Range	30m							
Resolution	35							
Cross section dimensions	38 x 58							

Safety Class 2

Code	B5D354	B7D354	B8D354	B9D354	B12D354	B15D354	B18D354	B22D354
Protected height mm	315	455	525	595	805	1015	1225	1505
Total barriere height mm	465	605	675	745	955	1165	1375	1655
Number of mirrors on deflection column	10	14	16	18	24	30	36	44
Number of beams	10	14	16	18	24	30	36	44
Range	30m							
Resolution	35							
Cross section dimensions	38 x 58							
Cross section dimensions	38 x 58							

Hand detection 40mm

Barriers deflection mirrors

WITH VISIBLE LASER LIGHT



Safety Class 2

Code	B5D402	B6D402	B7D402	B8D402	B11D402	B13D402	B16D402	B20D402
Protected height mm	360	440	520	600	840	1000	1240	1560
Total barriere height mm	610	690	770	850	990	1150	1390	1710
Number of mirrors on deflection column	10	12	14	16	22	26	32	40
Number of beams	10	12	14	16	22	26	32	40
Range	30m							
Resolution	40							
Cross section dimensions	38 x 58							

Safety Class 4

Code	B5D404	B6D404	B7D404	B8D404	B11D404	B13D404	B16D404	B20D404
Protected height mm	360	440	520	600	840	1000	1240	1560
Total barriere height mm	610	690	770	850	990	1150	1390	1710
Number of mirrors on deflection column	10	12	14	16	22	26	32	40
Number of beams	10	12	14	16	22	26	32	40
Range	30m							
Resolution	40							
Cross section dimensions	38 x 58							

Detection of the body trough access control 50mm

Barriers deflection mirrors

WITH VISIBLE LASER LIGHT



Safety Class 2

Code	B4D502	B5D502	B6D502	B7D502	B9D502	B11D502	B13D502	B16D502
Protected height mm	350	450	550	650	850	1050	1250	1550
Total barriere height mm	500	600	700	800	1000	1200	1400	1800
Number of mirrors on deflection column	8	10	12	14	18	22	26	32
Number of beams	8	10	12	14	18	22	26	32
Range	30m							
Resolution	50							
Cross section dimensions	38 x 58							

Safety Class 2

Code	B4D504	B5D504	B6D504	B7D504	B9D504	B11D504	B13D504	B16D504
Protected height mm	350	450	550	650	850	1050	1250	1550
Total barriere height mm	500	600	700	800	1000	1200	1400	1800
Number of mirrors on deflection column	8	10	12	14	18	22	26	32
Number of beams	8	10	12	14	18	22	26	32
Range	30m							
Resolution	50							
Cross section dimensions	38 x 58							

Detection of the body 90mm

Barriers deflection mirrors

WITH VISIBLE LASER LIGHT



Safety Class 2

Code	B1D902	B2D902	B3D902	B4D902	B5D902	B6D902	B7D902	B9D902
Protected height mm	90	270	450	630	810	990	1170	1530
Total barriere height mm	240	420	600	780	960	1140	1320	1680
Number of mirrors on deflection column	2	4	6	8	10	12	14	18
Number of beams	2	4	6	8	10	12	14	18
Range	30m							
Resolution	90							
Cross section dimensions	38 x 58							

Safety Class 2

Code	B1D904	B2D904	B3D904	B4D904	B5D904	B6D904	B7D904	B9D904
Protected height mm	90	270	450	630	810	990	1170	1530
Total barriere height mm	240	420	600	780	960	1140	1320	1680
Number of mirrors on deflection column	2	4	6	8	10	12	14	18
Number of beams	2	4	6	8	10	12	14	18
Range	30m							
Resolution	90							
Cross section dimensions	38 x 58							

Detection of the body 90mm

Barriers deflection mirrors

WITH VISIBLE LASER LIGHT

Safety Class 2

Code	B1D5002	B2D3002	B3D2002
Protected height mm	500	900	1000
Total barriere height mm	600	1000	1100
Number of mirrors on deflection column	2	4	6
Number of beams	2	4	6
Range	500	300	200
Resolution	30m		
Cross section dimensions	38 x 58		



Safety Class 2

Code	B1D5004	B2D3004	B3D2004
Protected height mm	500	900	1000
Total barriere height mm	600	1000	1100
Number of mirrors on deflection column	2	4	6
Number of beams	2	4	6
Range	500	300	200
Resolution	30m		
Cross section dimensions	38 x 58		

MIRROS DEFLECTION COLUMN FOR PERIMETRAL DETECTION

EQUIPMENT

Mirrors to add to the column

Code	Dimensions	Additional mirrors	Every mirror should be multiplicate for the number of beams
	50x50mm		

FLOOR COLUMNS 90°

To add to the columns

Code	PT1000	PT1200	SP1400	PT1600	PT1900
Height	1000mm	1200mm	1400mm	1600mm	1900mm
Diameter	DIAM. 45 mm				



WALL COLUMNS 90°

To add to the columns

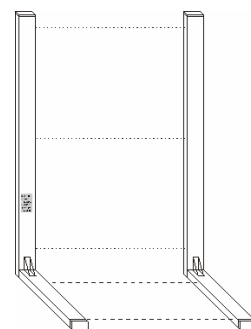
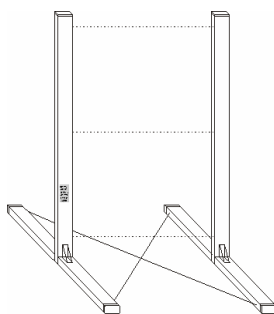
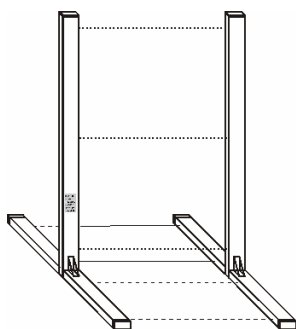
Code	PTA1000	PTA1200	PTA1400	PTA1600	PTA1900
Height	1000mm	1200mm	1400mm	1600mm	1900mm



MUTING CONTROL



Code		Descrizione
M		Automuting control integrated on the barrier
ME		Automuting control not integrated
M2HL		Automuting control 2 parallel L beams
M2XL		Automuting control 2 crossed L beams
M2XT		Automuting control 2 crossed T beams
M4HT		Automuting control 4 parallel T beams
M4XT		Automuting control 4 crossed T beams
M2HLR		Automuting control 2 parallel L beams Reflex
M2XLR		Automuting control 2 crossed L beams Reflex
M2XTR		Automuting control 2 crossed T beams Reflex
M4HTR		Automuting control 4 parallel T beams Reflex
M4XTR		Automuting control 4 crossed T beams Reflex



Equipment Laser safety Barriers

Codice	Descrizione	
A	Autorestart	
CVT5	Cable TX with connector M12 L 5m	
CVT10	Cable TX with connector M12 L 10m	
CVT15	Cable TX with connector M12 L 15m	
CVK5	Cable Control Box /Machine with connector SUB D 15 Poles L 5M	
CVK10	Cable Control Box /Machine with connector SUB D 15 Poles L 10M	
CVK15	Cable Control Box /Machine with connector SUB D 15 Poles L 10M	
LM	Lampada Muting 24Vdc	
PWS	Voltage stabilized supply din 220V to 24Vdc	
	Additional range of brackets	
IP68	IP 68 (Waterproof)	



Industrial laser technology

Rasnel Laser S.r.l.
Via Curiel n. 40
20060 Liscate (MI) - Italy
Tel.: +39 0295350312
Fax.: +39 0295350504

info@rasnellaser.com
www.rasnellaser.com