



Catalogue **LED TECHNOLOGY**
 Line **Flexible Led Strips and accessories**
 FAmily **Flexible Led Strips IP62-IP63**
 Subfamily **Flexible Led Strips IP62-IP63 12V**

Picture	Article	Description	Lot	Price/Unit
	LFD312060		1	35,30 €
	Flexible Led strip 5m IP65 12V 24W 6000K Cool white		5	30,73 €
		Total number LED 300. Divisible every 5cm in modules of 3 (1 LED each 16,6mm). With adhesive.CRI>80		10
		Length (mm): 5000 Width (mm): 8 High (mm): 2,5 Colour: White PCB Voltage In (Vdc): 12 Intensidad In (A): 2 Power (W/m): 4.8 Temperature (°C): -40+85 Room Temperature (°C): -40~+85 Colour Temperature (°K): 6000 Lumen/meter: 390 Angle (°): 120 CRI (≥): 80 Life (Hours): 50000 Ingress Protection: IP62 Dimmable: SI		




LED TECHNOLOGY > Flexible Led Strips and accessories > Flexible Led Strips IP62-IP63

Subfamily **Flexible Led Strips IP62-IP63 12V**

Picture	Article	Description	Lot	Price/Unit
	LFD512061		1	48,65 €
	Flexible Led strip 5m IP65 12V 72W 3000K Warm white		5	44,16 €
			10	42,06 €
	Total number LED 300. Divisible every 5cm in modules of 3 (1 LED each 16,6mm). With adhesive.CRI>80			
	Length (mm): 5000 Width (mm): 9 High (mm): 3 Colour: White PCB Voltage In (Vdc): 12 Intensidad In (A): 6 Power (W/m): 14.4 Temperature (°C): -20+50 Room Temperature (°C): -20~+50 Colour Temperature (°K): 3000 Lumen/meter: 1104 Angle (°): 120 CRI (?): 80 Life (Hours): 50000 Ingress Protection: IP62 Dimmable: SI			




Catalogue **LED TECHNOLOGY**
 Line **Flexible Led Strips and accessories**
 FAmily **Flexible Led Strips IP62-IP63**
 Subfamily **Flexible Led Strips IP62-IP63 24V**

Picture	Article	Description	Lot	Price/Unit
	AD808268		1	39,21 €
	Flexible Led Strip 5m SMD2216-60led/m. IP63 24V		5	35,63 €
	4,8W/m-24W 2800K		10	33,92 €
	Total number of LEDs 300. Divisible in modules of 6 LEDs every 10cm (one LED every 16.67mm). With adhesive.			
	Length (mm): 5000 Width (mm): 8 High (mm): 2 Voltage In (Vdc): 24 Intensidad In (A): 1 Power (W/m): 4.8 Critical Temperature (°C): 60 Colour Temperature (°K): 2800 Lumen/meter: 300 Angle (°): 120 CRI (≥): 90 Ingress Protection: IP63 Dimmable: SI			



LED TECHNOLOGY > Flexible Led Strips and accessories > Flexible Led Strips IP62-IP63

Subfamily **Flexible Led Strips IP62-IP63 24V**

Picture	Article	Description	Lot	Price/Unit
	AD808298		1	49,08 €
	Flexible Led Strip 5m SMD2216-120led/m. IP63 24V		5	44,64 €
	9,6W/m-48W 2800K		10	42,50 €

Total number of LEDs 600. Divisible in modules of 3 LEDs every 2.5cm (one LED every 8.33mm). With adhesive.

Length (mm): 5000 Width (mm): 8 High (mm): 2
Voltage In (Vdc): 24 Intensidad In (A): 2
Power (W/m): 9.6 Critical Temperature (°C): 60
Colour Temperature (°K): 2800 Lumen/meter: 600
Angle (°): 120 CRI (?): 90 Ingress Protection: IP20
Dimmable: SI




	LFD224042		1	31,33 €
	Flexible Led strip 5m SMD2835-60led/m. IP62 24V		5	28,52 €
	4,8W/m - 24W 2700K		10	27,12 €

Total number LED 300. Divisible every 10cm in modules of 6 (1 LED each 16,6mm). With adhesive.CRI>80

Length (mm): 5000 Width (mm): 8 High (mm): 3
Colour: White PCB Voltage In (Vdc): 24
Intensidad In (A): 2 Power (W/m): 4.8
Temperature (°C): -20+50
Room Temperature (°C): -20~+50
Colour Temperature (°K): 2700 Lumen/meter: 377
Angle (°): 120 CRI (?): 80 Life (Hours): 50000
Ingress Protection: IP62 Dimmable: SI



Subfamily **Flexible Led Strips IP62-IP63 24V**

Picture	Article	Description	Lot	Price/Unit
	LFD224043		1	31,33 €
	Flexible Led strip 5m SMD2835-60led/m. IP62 24V		5	28,52 €
	4,8W/m - 24W 3000K		10	27,12 €

Total number LED 300. Divisible every 10cm in modules of 6 (1 LED each 16,6mm). With adhesive.CRI>80

Length (mm): 5000 Width (mm): 8 High (mm): 3
 Colour: White PCB Voltage In (Vdc): 24
 Intensidad In (A): 2 Power (W/m): 4.8
 Temperature (°C): -20+50
 Room Temperature (°C): -20~+50
 Colour Temperature (°K): 3000 Lumen/meter: 384
 Angle (°): 120 CRI (?): 80 Life (Hours): 50000
 Ingress Protection: IP62 Dimmable: SI




	LFD224044		1	31,23 €
	Flexible Led strip 5m SMD2835-60led/m. IP62 24V		5	28,43 €
	4,8W/m - 24W 4000K		10	27,03 €

Total number LED 300. Divisible every 10cm in modules of 6 (1 LED each 16,6mm). With adhesive.CRI>80

Length (mm): 5000 Width (mm): 8 High (mm): 3
 Colour: White PCB Voltage In (Vdc): 24
 Intensidad In (A): 2 Power (W): 4.8
 Temperature (°C): -20+50
 Room Temperature (°C): -20~+50
 Colour Temperature (°K): 4000 Lumen/meter: 408
 Angle (°): 120 CRI (?): 80 Life (Hours): 50000
 Ingress Protection: IP62 Dimmable: SI




Subfamily **Flexible Led Strips IP62-IP63 24V**

Picture	Article	Description	Lot	Price/Unit
	LFD224045		1	31,23 €
	Flexible Led strip5m SMD2835-60led/m. IP62 24V		5	28,43 €
	4,8W/m - 24W 5000K		10	27,03 €

Total number LED 300. Divisible every 10cm in modules of 6 (1 LED each 16,6mm). With adhesive.CRI>80

Length (mm): 5000 Width (mm): 8 High (mm): 3
 Colour: White PCB Voltage In (Vdc): 24
 Intensidad In (A): 2 Power (W/m): 4.8
 Temperature (°C): -20+50
 Room Temperature (°C): -20~+50
 Colour Temperature (°K): 5000 Lumen/meter: 432
 Angle (°): 120 CRI (?): 80 Life (Hours): 50000
 Ingress Protection: IP62 Dimmable: SI




	LFD224092		1	45,25 €
	Flexible Led strip5m SMD2835-120led/m. IP62 24V		5	41,17 €
	9,6W/m - 48W 2700K		10	39,21 €

Total number of led 600. Divisible in modules of 6 Led each 5cm, (one led every 8.3mm). With adhesive

Length (mm): 5000 Width (mm): 8 High (mm): 3
 Colour: White PCB Voltage In (Vdc): 24
 Intensidad In (A): 2 Power (W/m): 9.6
 Temperature (°C): -20+50
 Room Temperature (°C): -20~+50
 Colour Temperature (°K): 2700 Lumen/meter: 754
 Angle (°): 120 CRI (?): 80 Life (Hours): 50000
 Ingress Protection: IP62 Dimmable: SI



Subfamily **Flexible Led Strips IP62-IP63 24V**

Picture	Article	Description	Lot	Price/Unit
	LFD224093		1	45,24 €
	Flexible Led strip5m SMD2835-120led/m. IP62 24V		5	41,16 €
	9,6W/m - 48W 3000K		10	39,20 €

Total number of led 600. Divisible in modules of 6 Led each 5cm, (one led every 8.3mm). With adhesive

Length (mm): 5000 Width (mm): 8 High (mm): 3
 Colour: White PCB Voltage In (Vdc): 24
 Intensidad In (A): 2 Power (W/m): 9.6
 Temperature (°C): -20+50
 Room Temperature (°C): -20~+50
 Colour Temperature (°K): 3000 Lumen/meter: 768
 Angle (°): 120 CRI (?): 80 Life (Hours): 50000
 Ingress Protection: IP62 Dimmable: SI




	LFD224094		1	45,24 €
	Flexible Led strip5m SMD2835-120led/m. IP62 24V		5	41,16 €
	9,6W/m - 48W 4000K		10	39,20 €

Total number of led 600. Divisible in modules of 6 Led each 5cm, (one led every 8.3mm). With adhesive

Length (mm): 5000 Width (mm): 8 High (mm): 3
 Colour: White PCB Voltage In (Vdc): 24
 Intensidad In (A): 2 Power (W/m): 9.6
 Temperature (°C): -20+50
 Room Temperature (°C): -20~+50
 Colour Temperature (°K): 4000 Lumen/meter: 816
 Angle (°): 120 CRI (?): 80 Life (Hours): 50000
 Ingress Protection: IP62 Dimmable: SI




Subfamily **Flexible Led Strips IP62-IP63 24V**

Picture	Article	Description	Lot	Price/Unit
	LFD224095		1	45,24 €
	Flexible Led strip5m SMD2835-120led/m. IP62 24V		5	41,16 €
	9,6W/m - 48W 5000K		10	39,20 €

Total number of led 600. Divisible in modules of 6 Led each 5cm, (one led every 8.3mm). With adhesive

Length (mm): 5000 Width (mm): 8 High (mm): 3
 Colour: White PCB Voltage In (Vdc): 24
 Intensidad In (A): 2 Power (W/m): 9.6
 Temperature (°C): -20+50
 Room Temperature (°C): -20~+50
 Colour Temperature (°K): 5000 Lumen/meter: 864
 Angle (°): 120 CRI (?): 80 Life (Hours): 50000
 Ingress Protection: IP62 Dimmable: SI




	LFD224142		1	57,46 €
	Flexible Led strip5m SMD2835-180led/m. IP62 24V		5	52,26 €
	14,4W/m - 72W 2700K		10	49,73 €

Total number of led 900. Divisible in modules of 6 Led each 3,3cm, (one led every 5,6mm). With adhesive

Length (mm): 5000 Width (mm): 10 High (mm): 3
 Colour: White PCB Voltage In (Vdc): 24
 Intensidad In (A): 2 Power (W/m): 14.4
 Temperature (°C): -20+50
 Room Temperature (°C): -20~+50
 Colour Temperature (°K): 2700 Lumen/meter: 1130
 Angle (°): 120 CRI (?): 80 Life (Hours): 50000
 Ingress Protection: IP62 Dimmable: SI



Subfamily **Flexible Led Strips IP62-IP63 24V**

Picture	Article	Description	Lot	Price/Unit
	LFD224143		1	57,46 €
	Flexible Led strip5m SMD2835-180led/m. IP62 24V		5	52,26 €
	14,4W/m - 72W 3000K		10	49,73 €

Total number of led 900. Divisible in modules of 6 Led each 3,3cm, (one led every 5,6mm). With adhesive

Length (mm): 5000 Width (mm): 10 High (mm): 3
 Colour: White PCB Voltage In (Vdc): 24
 Intensidad In (A): 2 Power (W/m): 14.4
 Temperature (°C): -20+50
 Room Temperature (°C): -20~+50
 Colour Temperature (°K): 3000 Lumen/meter: 1152
 Angle (°): 120 Life (Hours): 50000
 Ingress Protection: IP62 Dimmable: SI




	LFD224144		1	57,46 €
	Flexible Led strip5m SMD2835-180led/m. IP62 24V		5	52,26 €
	14,4W/m - 72W 4000K		10	49,73 €

Total number of led 900. Divisible in modules of 6 Led each 3,3cm, (one led every 5,6mm). With adhesive

Length (mm): 5000 Width (mm): 10 High (mm): 3
 Colour: White PCB Voltage In (Vdc): 24
 Intensidad In (A): 2 Power (W/m): 14.4
 Temperature (°C): -20+50
 Room Temperature (°C): -20~+50
 Colour Temperature (°K): 4000 Lumen/meter: 1224
 Angle (°): 120 CRI (?): 80 Life (Hours): 50000
 Ingress Protection: IP62 Dimmable: SI



Subfamily **Flexible Led Strips IP62-IP63 24V**

Picture	Article	Description	Lot	Price/Unit
	LFD224145		1	57,46 €
	Flexible Led strip5m SMD2835-180led/m. IP62 24V		5	52,26 €
	14,4W/m - 72W 5000K		10	49,73 €

Total number of led 900. Divisible in modules of 6 Led each 3,3cm, (one led every 5,6mm). With adhesive

Length (mm): 5000 Width (mm): 10 High (mm): 3
 Colour: White PCB Voltage In (Vdc): 24
 Intensidad In (A): 2 Power (W/m): 14.4
 Temperature (°C): -20+50
 Room Temperature (°C): -20~+50
 Colour Temperature (°K): 5000 Lumen/meter: 1296
 Angle (°): 120 CRI (?): 80 Life (Hours): 50000
 Ingress Protection: IP62 Dimmable: SI



	LFD312460		1	35,30 €
	Flexible led strip 5M D3528 60 WH White PCB		5	30,73 €
	24VDC 24W IP65		10	29,39 €

Total number of LEDs 300. Divisible into modules of 6 LEDs every 10cm, (one LED every 16.6mm). With adhesive





Length (mm): 5000 Width (mm): 8 High (mm): 2,5
 Colour: White PCB Voltage In (Vdc): 24
 Intensidad In (A): 1 Power (W/m): 4.8
 Temperature (°C): -40+86
 Room Temperature (°C): -40~+85
 Colour Temperature (°K): 6000 Lumen/meter: 300
 Angle (°): 120 Life (Hours): 50000
 Ingress Protection: IP62 Dimmable: SI



Subfamily **Flexible Led Strips IP62-IP63 24V**

Picture	Article	Description	Lot	Price/Unit
	LFD312464		1	35,30 €
	Flexible led strip 5m IP65 24V 24W 4000K neutral white		5	30,73 €
			10	29,39 €
	Total number of LEDs 300. Divisible into modules of 6 LEDs every 10cm, (one LED every 16.6mm). With adhesive			
	Length (mm): 5000 Width (mm): 8 High (mm): 2,5 Colour: White PCB Voltage In (Vdc): 24 Intensidad In (A): 1 Power (W/m): 4.8 Temperature (°C): -40+87 Room Temperature (°C): -40~+85 Colour Temperature (°K): 4000 Lumen/meter: 240 Angle (°): 120 Life (Hours): 50000 Ingress Protection: IP62 Dimmable: SI			
	LFD324066		1	45,66 €
	Led Strip Flexible 5M 24V 24W Green IP65		5	41,44 €
			10	39,48 €
	Total number of LEDs 300. Divisible into modules of 6 LEDs every 10cm, (one LED every 16.6mm). With adhesive			
	Length (mm): 5000 Width (mm): 8 High (mm): 2,5 Colour: White PCB Voltage In (Vdc): 24 Intensidad In (A): 1 Power (W/m): 4.8 Temperature (°C): -20+50 Room Temperature (°C): -20~+50 Lumen/meter: 240 Angle (°): 120 CRI (?): 80 Life (Hours): 50000 Ingress Protection: IP62 Dimmable: SI			

Subfamily **Flexible Led Strips IP62-IP63 24V**

Picture	Article	Description	Lot	Price/Unit
	LFD324067		1	45,66 €
	Led Strip Flexible 5M 24V 24W Red IP65		5	41,44 €
	Total number of LEDs 300. Divisible into modules of 6 LEDs every 10cm, (one LED every 16.6mm). With adhesive		10	39,48 €
		Length (mm): 5000 Width (mm): 8 High (mm): 2,5 Colour: White PCB Voltage In (Vdc): 24 Intensidad In (A): 1 Power (W/m): 4.8 Temperature (°C): -20+50 Room Temperature (°C): -20~+50 Lumen/meter: 120 Angle (°): 120 CRI (?): 80 Life (Hours): 50000 Ingress Protection: IP62 Dimmable: SI		
				
	LFD524061A		1	48,75 €
	Flexible Led strip 5m IP65 24V 72W 3000K Warm white		5	44,25 €
	Total number of led 300. Divisible in modules of 6 every 10cm, (one LED each 16.6mm). With adhesive. CRI> 80		10	42,15 €
		Length (mm): 5000 Width (mm): 9 High (mm): 3 Colour: White PCB Voltage In (Vdc): 24 Intensidad In (A): 3 Power (W/m): 14.4 Temperature (°C): -20+50 Room Temperature (°C): -20~+50 Colour Temperature (°K): 3000 Lumen/meter: 1104 Angle (°): 120 CRI (?): 80 Life (Hours): 50000 Ingress Protection: IP62 Dimmable: SI		
				

Subfamily **Flexible Led Strips IP62-IP63 24V**

Picture	Article	Description	Lot	Price/Unit
	LFD524062		1	48,75 €
	Flexible Led strip 5m IP65 24V 72W 4000K Neutral white		5	44,25 €
			10	42,15 €

Total number of led 300. Divisible in modules of 3 every 5cm, (one LED each 16.6mm). With adhesive. CRI> 80



Length (mm): 5000 Width (mm): 9 High (mm): 3
 Colour: White PCB Voltage In (Vdc): 24
 Intensidad In (A): 3 Power (W/m): 14.4
 Temperature (°C): -20+50
 Room Temperature (°C): -20~+50
 Colour Temperature (°K): 4000 Lumen/meter: 1175
 Angle (°): 120 CRI (?): 80 Life (Hours): 50000
 Ingress Protection: IP62 Dimmable: SI



	LFD524063		1	52,96 €
	Flexible Led Strip 5m IP65 24V 72W RGB		5	48,19 €
			10	45,94 €


IP62 coating. Adhesive on back



Length (mm): 5000 Width (mm): 10 High (mm): 3
 Colour: White PCB Voltage In (Vdc): 24
 Intensidad In (A): 6 Power (W/m): 14.4
 Temperature (°C): -20+50
 Room Temperature (°C): -20~+50 Angle (°): 120
 CRI (?): 90 Life (Hours): 50000
 Ingress Protection: IP62 Dimmable: SI




Subfamily **Flexible Led Strips IP62-IP63 24V**

Picture	Article	Description	Lot	Price/Unit
	LFDW524192		1	101,28 €
	Flexible led strip 5m SMD5050-60led IP62 24V 19.2W		5	92,01 €
	/ m 96W 2700K RGB		10	87,66 €

Total number of led 300. Divisible in modules of 6 Led every 10cm, (one led every 16.7mm). With adhesive

Length (mm): 5000 Width (mm): 12 High (mm): 3,2
 Colour: White PCB Voltage In (Vdc): 24
 Intensidad In (A): 2 Power (W): 19.2
 Temperature (°C): -20+50
 Room Temperature (°C): -20~+50
 Colour Temperature (°K): 2700 Angle (°): 120
 CRI (?): 90 Life (Hours): 50000
 Ingress Protection: IP62 Dimmable: SI




	LFDW524193		1	101,28 €
	Flexible led strip 5m SMD5050-60led IP62 24V 19.2W		5	92,01 €
	/ m 96W 3000K RGB		10	87,66 €

Total number of led 300. Divisible in modules of 6 Led every 10cm, (one led every 16.7mm). With adhesive

Length (mm): 5000 Width (mm): 12 High (mm): 3,2
 Colour: White PCB Voltage In (Vdc): 24
 Intensidad In (A): 2 Power (W/m): 19.2
 Temperature (°C): -20+50
 Room Temperature (°C): -20~+50
 Colour Temperature (°K): 3000 Angle (°): 120
 CRI (?): 90 Life (Hours): 50000
 Ingress Protection: IP62 Dimmable: SI




Subfamily **Flexible Led Strips IP62-IP63 24V**

Picture	Article	Description	Lot	Price/Unit
	LFDW524194		1	101,28 €
	Flexible led strip 5m SMD5050-60led / m IP62 24V		5	92,01 €
	19.2W/m 96W 4000K RGB		10	87,66 €

Total number of led 300. Divisible in modules of 6 Led every 10cm, (one led every 16.7mm). With adhesive

Length (mm): 5000 Width (mm): 12 High (mm): 3,2
 Colour: White PCB Voltage In (Vdc): 24
 Intensidad In (A): 2 Power (W/m): 19.2
 Temperature (°C): -20+50
 Room Temperature (°C): -20~+50
 Colour Temperature (°K): 4000 Angle (°): 120
 CRI (?): 90 Life (Hours): 50000
 Ingress Protection: IP62 Dimmable: SI




	LFDW524195		1	101,28 €
	Flexible led strip 5m SMD5050-60led / m IP62 24V		5	92,01 €
	19.2W/m 96W 5000K RGB		10	87,66 €

Total number of led 300. Divisible in modules of 6 Led every 10cm, (one led every 16.7mm). With adhesive

Length (mm): 5000 Width (mm): 12 High (mm): 3,2
 Colour: White PCB Voltage In (Vdc): 24
 Intensidad In (A): 2 Power (W/m): 19.2
 Temperature (°C): -20+50
 Room Temperature (°C): -20~+50
 Colour Temperature (°K): 5000 Angle (°): 120
 CRI (?): 90 Life (Hours): 50000
 Ingress Protection: IP62 Dimmable: SI



Subfamily **Flexible Led Strips IP62-IP63 24V**


Picture	Article	Description	Lot	Price/Unit
	LFT224190		1	85,51 €
	Flexible led strip 5m CCT SMD2835-120led/m.IP62		5	77,74 €
	24V 19.2W/m 2700-6000K		10	74,04 €

Total number of led 600. Divisible in modules of 6 each 5cm (one led every 8.3mm). With adhesive.

Length (mm): 5000 Width (mm): 10 High (mm): 1,4
 Colour: White PCB Voltage In (Vdc): 24
 Intensidad In (A): 2 Power (W/m): 19.2
 Temperature (°C): -20+50
 Room Temperature (°C): -20~+50
 Colour Temperature (°K): 2700~6000
 Lumen/meter: 830 Angle (°): 120 CRI (?): 90
 Life (Hours): 50000 Ingress Protection: IP62
 Dimmable: SI




Subfamily **Flexible Led Strips IP62-IP63 24V**

Picture	Article	Description	Lot	Price/Unit
	LFT524140		1	51,14 €
	Flexible led strip 5m CCT SMD5050-60led/m.IP62		5	46,50 €
	24V 14.4W/m 2700-6000K		10	44,25 €

Total number of led 300. Divisible in modules of 6 Led each 10cm, (one led every 16.7mm). With adhesive.

Length (mm): 5000 Width (mm): 10 High (mm): 2,1
 Colour: White PCB Voltage In (Vdc): 24
 Intensidad In (A): 2 Power (W/m): 14.4
 Temperature (°C): -20+50
 Room Temperature (°C): -20~+50
 Colour Temperature (°K): 2700~6000
 Lumen/meter: 590 Angle (°): 120 CRI (?): 90
 Life (Hours): 50000 Ingress Protection: IP62
 Dimmable: SI




	LFD524060		1	48,75 €
	Flexible Led strip 5m IP65 24V 72W 6000K Cool white		5	44,25 €
			10	42,15 €

Total number LED 300. Divisible every 10cm in modules of 6 (1 LED each 16,6mm). With adhesive.CRI>80

Length (mm): 5000 Width (mm): 9 High (mm): 3
 Colour: White PCB Voltage In (Vdc): 24
 Intensidad In (A): 3 Power (W/m): 14.4
 Temperature (°C): -20+50
 Room Temperature (°C): -20~+50
 Colour Temperature (°K): 6000 Lumen/meter: 1248
 Angle (°): 120 CRI (?): 80 Life (Hours): 50000
 Ingress Protection: IP62 Dimmable: SI



Subfamily **Flexible Led Strips IP62-IP63 24V**

Picture	Article	Description	Lot	Price/Unit
	LFD524061		1	48,75 €
	Flexible Led strip 5m IP65 24V 72W 2700K Warm white		5	44,25 €
			10	42,15 €
		Total number LED 300. Divisible every 10cm in modules of 6 (1 LED each 16,6mm). With adhesive.CRI>80		
		Length (mm): 5000 Width (mm): 9 High (mm): 3 Colour: White PCB Voltage In (Vdc): 24 Intensidad In (A): 3 Power (W/m): 14.4 Temperature (°C): -20+50 Room Temperature (°C): -20~+50 Colour Temperature (°K): 2700 Lumen/meter: 1090 Angle (°): 120 CRI (?): 80 Life (Hours): 50000 Ingress Protection: IP62 Dimmable: SI		

