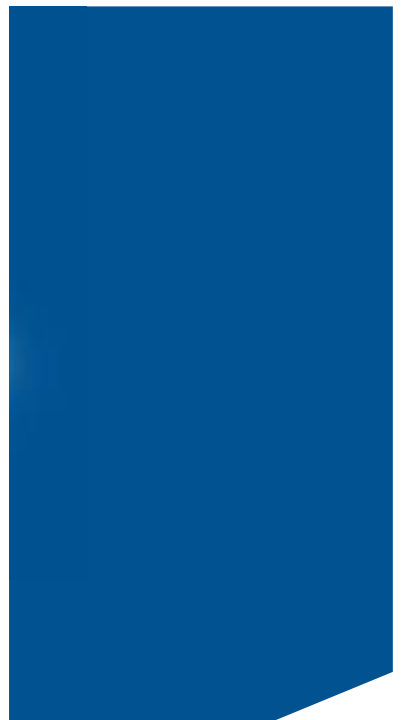




RLF-INOX 250...

Stainless Steel Recessed Ceiling
Light Fitting

 **COOPER** Crouse-Hinds



Ex-Recessed Ceiling Light Fitting RLF 250..

The RLF-INOX 250... explosion-protected recessed ceiling light fittings with stainless steel enclosure meet the requirements of ATEX-directive 94/9/EC and are suitable for two-pin fluorescent lamps.

These light fittings are used for surface and flush mounting in ceilings, in particular in clean rooms where smooth and flush surfaces are very important.

The area of application is in the pharmaceutical and chemical industry and in labs as well as in paint shops and spraying cabinets.

The housing comprises polished stainless steel 304 with an optionally integrally moulded covering frame in the same material for safe installation in the ceiling. In addition, it can also be fixed by means of two M8 drilled holes on the top of the housing.

The hinged, frameless pane made of 5 mm thick safety glass is fixed with 3 alt. 4 captive screws. The sealing material is EPDM and guarantees the high protection IP65.

The electronic ballasts of the latest generation can be used internationally due to their large input voltage range and contains the "End of Life" disconnection acc. latest standard. The standard two-channel structure means that if one lamp fails, the other one remains in operation.

The standard two-sided through-wiring together with the generous terminal housing offers a cost-saving installation.

The light switch reliably prevents the lamp from being switched on when the cover pane is open.

The emergency light fitting version RLF-INOX 250... N with self-contained battery-system allows a decentral emergency light with an emergency lighting cycle of 1.5 or 3 hours.



Housing in polished Stainless steel 304

Flush installation specially for clean rooms by using the recessed mounting frame

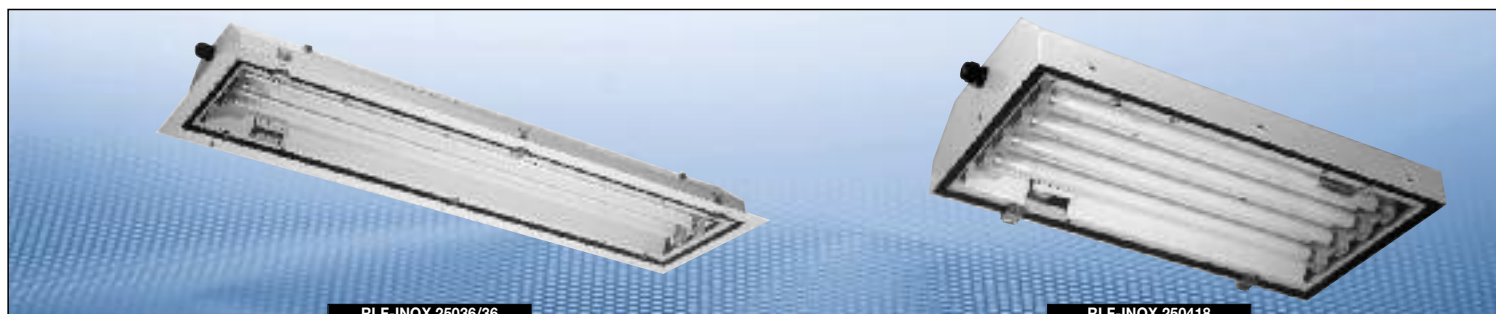
Standard, two-channel electronic ballast

Safety locking due to integral disconnect

High degree of protection IP65

Version with self-contained battery system

Stainless Steel Version



RLF-INOX 25036/36

RLF-INOX 250418

Technical data Standard Light Fitting

RLF-INOX 250...

Marking to 94/9/EC	Ex II 2 G Ex de IIC T4 / Ex II 2 D Ex tD A21 IP65 T60 °C
EC-Type Examination Certificate	FTZU 06 ATEX 0050 X
Permissible ambient temperature	-20 °C to +40 °C
Frequency	50 - 60 Hz
Power factor cos φ	≥ 0.95
Circuit	EVG
Connecting terminals	L1, L2, L3, N, PE; max. 2 x 4.0 mm ² , Through -wiring double-ended
Insulation class	I
Lamp cap	G 13 accd. to IEC 60081
Degree of protection accd. EN 60529	IP 65
Cable glands/enclosure drilling	Ex-e cable glands M25 x 1.5 (plastic) for cables from Ø 8 - 17 mm, Option: M20 x 1.5 metal thread
Enclosure material	Polished stainless steel 304 (1.4301)
Protective cover/protective bowl	Single-safety glass pane 5 mm thick

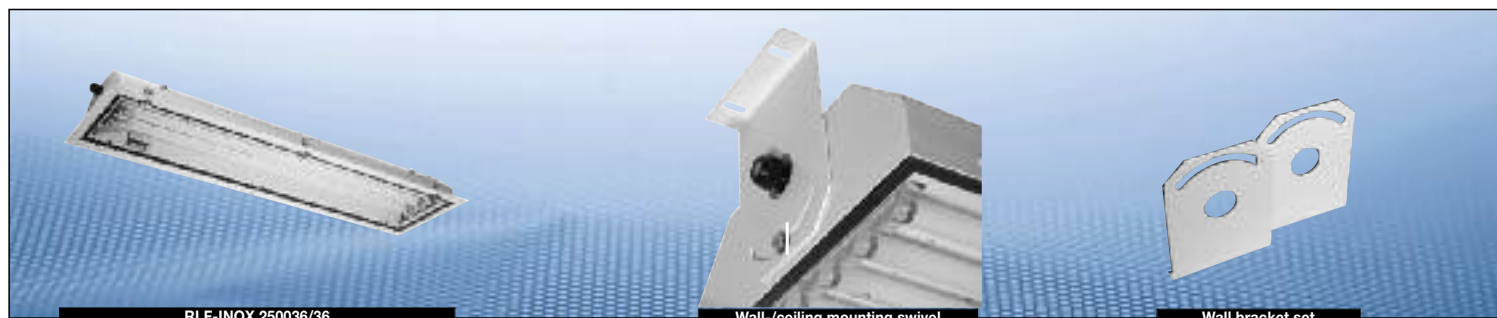
	RLF-INOX 25018/18	RLF-INOX 250418
Rated voltage	110 - 254 V AC / 195 - 250 V DC	110 - 254 V AC / 195 - 250 V DC
Rated current	0.18 A	0.36 A
Lamp/illuminant	2 x T26 / 18 W (T8)	4 x T26 / 18 W (T8)
Luminous flux ¹⁾	2700 lm	5400 lm
Light efficiency in operation	70 %	69 %
Dimensions (L x W x H)	701 x 302 x 130 mm	701 x 362 x 130 mm
Weight	6.9 kg	9.5 kg

	RLF-INOX 25036/36	RLF-INOX 250336	RLF-INOX 250436
Rated voltage	110 - 254 V AC / 110 - 250 V DC	110 - 254 V AC / 110 - 250 V DC	110 - 254 V AC / 110 - 250 V DC
Rated current	0.34 A	0.51 A	0.68 A
Lamp/illuminant	2 x T26 / 36 W (T8)	3 x T26 / 36 W (T8)	4 x T26 / 36 W (T8)
Luminous flux ¹⁾	6700 lm	10050 lm	13400 lm
Light efficiency in operation	70 %	68 %	69 %
Dimensions (L x W x H)	1312 x 302 x 130 mm	1312 x 302 x 130 mm	1312 x 362 x 130 mm
Weight	12.9 kg	13.4 kg	16.5 kg

	RLF-INOX 25058/58	RLF-INOX 250358	RLF-INOX 250458
Rated voltage	220 - 254 V AC / 195 - 250 V DC	220 - 254 V AC / 195 - 250 V DC	220 - 254 V AC / 195 - 250 V DC
Rated current	0.53 A	0.80 A	1.06 A
Lamp/illuminant	2 x T26 / 58 W (T8)	3 x T26 / 58 W (T8)	4 x T26 / 58 W (T8)
Luminous flux ¹⁾	10400 lm	15600 lm	20800 lm
Light efficiency in operation	68 %	66 %	67 %
Dimensions (L x W x H)	1611 x 302 x 130 mm	1611 x 302 x 130 mm	1611 x 362 x 130 mm
Weight	17.2 kg	17.8 kg	19.8 kg

¹⁾ depends on used lamps

Ex-Recessed Ceiling Light Fitting RLF 250..



RLF-INOX 250036/36

Wall-/ceiling mounting swivel

Wall bracket set

Ordering details RLF-INOX 250...

Type	Cable gland ¹⁾	Thread ¹⁾	Order No.
Type RLF-INOX 250...			
RLF-INOX 25018/18 2/5-2 K	M25 x 1.5	–	1 2283 218 004
RLF-INOX 25036/36 2/5-2 K	M25 x 1.5	–	1 2283 236 003
RLF-INOX 25058/58 2/5-2 K	M25 x 1.5	–	1 2283 258 003
RLF-INOX 25018/18 2/5-2 M	–	M20 x 1.5	1 2283 218 003
RLF-INOX 25036/36 2/5-2 M	–	M20 x 1.5	1 2283 236 004
RLF-INOX 25058/58 2/5-2 M	–	M20 x 1.5	1 2283 258 004
RLF-INOX 250336 2/5-2 K	M25 x 1.5	–	1 2283 336 001
RLF-INOX 250358 2/5-2 K	M25 x 1.5	–	1 2283 358 001
RLF-INOX 250336 2/5-2 M	–	M20 x 1.5	1 2283 336 002
RLF-INOX 250358 2/5-2 M	–	M20 x 1.5	1 2283 358 002
RLF-INOX 250418 2/5-2 K	M25 x 1.5	–	1 2283 418 001
RLF-INOX 250436 2/5-2 K	M25 x 1.5	–	1 2283 436 001
RLF-INOX 250458 2/5-2 K	M25 x 1.5	–	1 2283 458 001
RLF-INOX 250418 2/5-2 M	–	M20 x 1.5	1 2283 418 002
RLF-INOX 250436 2/5-2 M	–	M20 x 1.5	1 2283 436 002
RLF-INOX 250458 2/5-2 M	–	M20 x 1.5	1 2283 458 002

¹⁾ With dustcover if entry/thread is not closed

Scope of delivery without lamps and fixing material.

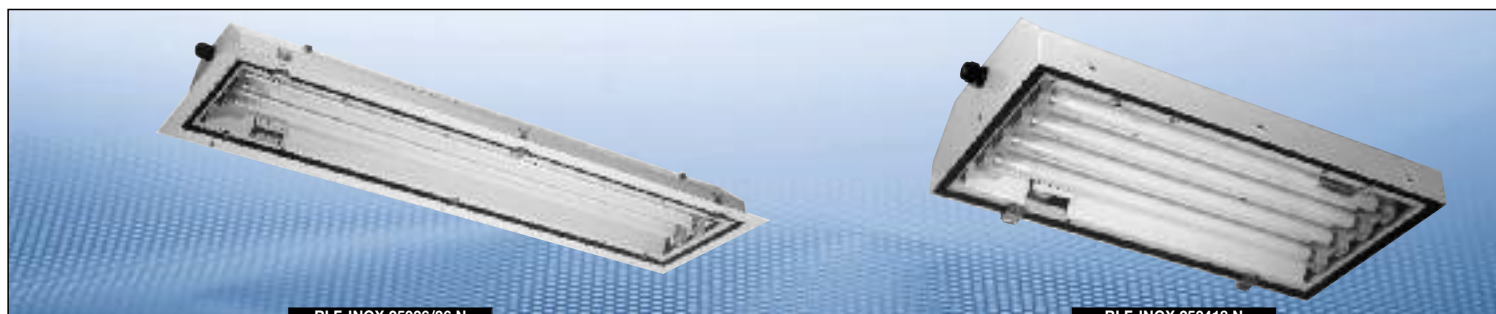
Note: mounting frames are not part of the delivery. Please see accessories.

Accessories

RLF-INOX 250...

Type	Application	Order No.
Wall bracket set INOX, 2 pcs.		3 2283 000 014
Mounting frame INOX for ceiling mounting:	for luminaires 2 x 18 W	3 2283 000 008
	for luminaires 4 x 18 W	3 2283 000 009
	for luminaires 2 x/3 x 36 W	3 2283 000 010
	for luminaires 4 x 36 W	3 2283 000 011
	for luminaires 2 x/3 x 58 W	3 2283 000 012
	for luminaires 4 x 58 W	3 2283 000 013

Stainless Steel Version



RLF-INOX 25036/36 N

RLF-INOX 250418 N

Technical data Emergency Light Fitting

RLF-INOX 250... N

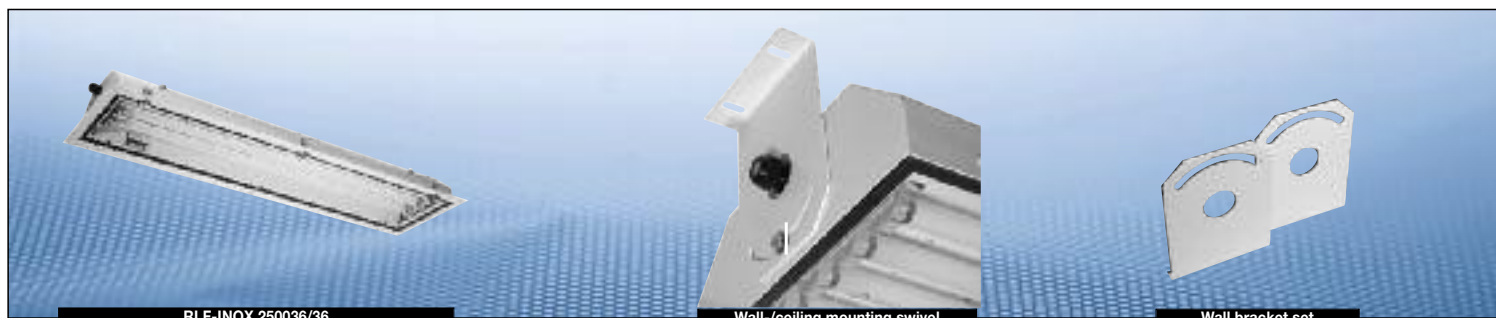
Marking to 94/9/EC	⊕ II 2 G Ex de mb IIC T4 / ⊕ II 2 D Ex tD A21 IP65 T60 °C
EC-Type Examination Certificate	FTZU 08 ATEX 0188 X
Permissible ambient temperature	-5 °C to +40 °C
Rated voltage	230 - 240 V AC
Frequency	50 - 60 Hz
Circuit	EVG with emergency lighting supply
Connecting terminals	L, L1, L2, L3, N, PE max. 6 x 4.0 mm ² , through-wiring double-ended
Insulation class	I
Lamp cap	G 13 accd. to IEC 60081
Battery	3.6 V/4 Ah (18 W) / 6 V/4 Ah (36 W)
Rated emergency lighting operation	1.5 h / 3 h
Charging duration	> 24 h
Degree of protection accd. EN 60529	IP 65
Cable glands/enclosure drilling	Ex-e cable glands M25 x 1.5 (plastic) for cables from Ø 8 - 17 mm, Option: M20 x 1.5 metal thread
Enclosure material	Polished stainless steel 304 (1.4301)
Protective cover/protective bowl	Single-safety glass pane, 5 mm thick

	RLF-INOX 25018/18 N	RLF-INOX 250418 N
Rated current	0.20 A	0.36 A
Lamp/illuminant	2 x T26 / 18 W (T8)	4 x T26 / 18 W (T8)
Rated luminous flux ¹⁾	2700 lm	5400 lm
Luminous flux in emergency operation (1.5 h, one lamp ¹⁾)	270 lm (20 %)	270 lm (20 %)
Luminous flux in emergency operation (3 h, one lamp ¹⁾)	216 lm (16 %)	216 lm (16 %)
Light efficiency in operation	70 %	69 %
Dimensions (L x W x H)	701 x 302 x 130 mm	701 x 362 x 130 mm
Weight	8.9 kg	11.5 kg

	RLF-INOX 25036/36 N	RLF-INOX 250436 N
Rated current	0.36 A	0.68 A
Lamp/illuminant	2 x T26 / 36 W (T8)	4 x T26 / 36 W (T8)
Rated luminous flux ¹⁾	6700 lm	13400 lm
Luminous flux in emergency operation (1.5 h, one lamp ¹⁾)	603 lm (18 %)	603 lm (18 %)
Luminous flux in emergency operation (3 h, one lamp ¹⁾)	436 lm (13 %)	436 lm (13 %)
Light efficiency in operation	70 %	69 %
Dimensions (L x W x H)	1312 x 302 x 130 mm	1312 x 362 x 130 mm
Weight	14.9 kg	18.5 kg

¹⁾ depends on used lamps

Ex-Recessed Ceiling Light Fitting RLF 250..



RLF-INOX 250036/36

Wall-/ceiling mounting swivel

Wall bracket set

Ordering details RLF-INOX 250... N

Type	Cable gland ¹⁾	Thread ¹⁾	Order No.
Type RLF-INOX 250...			
RLF-INOX 25018/18 N 2/6-2 K – 1.5 h	M25 x 1.5	–	1 2283 218 203
RLF-INOX 25036/36 N 2/6-2 K – 1.5 h	M25 x 1.5	–	1 2283 236 203
RLF-INOX 25018/18 N 2/6-2 M – 1.5 h	–	M20 x 1.5	1 2283 218 204
RLF-INOX25036/36 N 2/6-2 M – 1.5 h	–	M20 x 1.5	1 2283 236 204
RLF-INOX 250418 N 2/6-2 K – 1.5 h	M25 x 1.5	–	1 2283 418 203
RLF-INOX 250436 N 2/6-2 K – 1.5 h	M25 x 1.5	–	1 2283 436 203
RLF-INOX 250418 N 2/6-2 M – 1.5 h	–	M20 x 1.5	1 2283 418 204
RLF-INOX 250436 N 2/6-2 M – 1.5 h	–	M20 x 1.5	1 2283 436 204
RLF-INOX 25018/18 N 2/6-2 K – 3 h	M25 x 1.5	–	1 2283 218 303
RLF-INOX 25036/36 N 2/6-2 K – 3 h	M25 x 1.5	–	1 2283 236 303
RLF-INOX 25018/18 N 2/6-2 M – 3 h	–	M20 x 1.5	1 2283 218 304
RLF-INOX 25036/36 N 2/6-2 M – 3 h	–	M20 x 1.5	1 2283 236 304
RLF-INOX 250418 N 2/6-2 K – 3 h	M25 x 1.5	–	1 2283 418 303
RLF-INOX 250436 N 2/6-2 K – 3 h	M25 x 1.5	–	1 2283 436 303
RLF-INOX 250418 N 2/6-2 M – 3 h	–	M20 x 1.5	1 2283 418 304
RLF-INOX 250436 N 2/6-2 M – 3 h	–	M20 x 1.5	1 2283 436 304

¹⁾ With dustcover if entry/thread is not closed

Scope of delivery without lamps and fixing material.

Note: mounting frames are not part of the delivery. Please see accessories.

Accessories

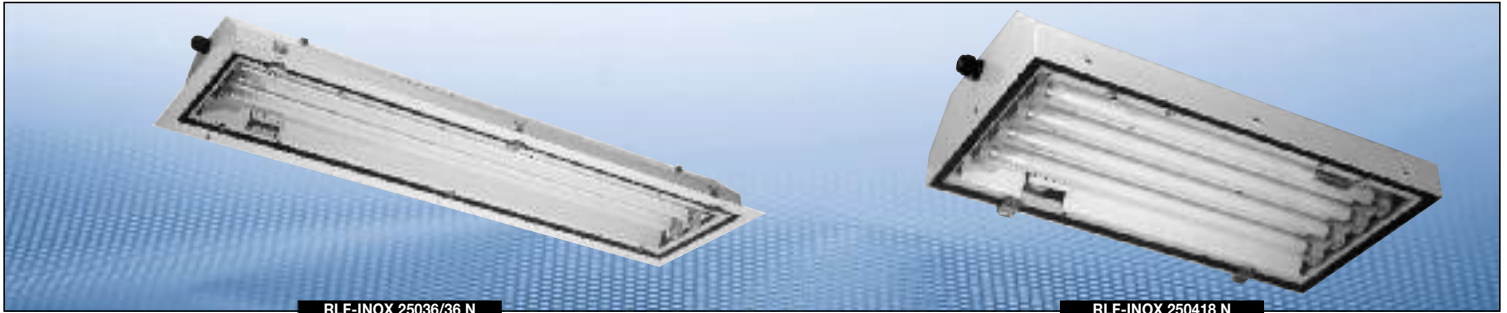
RLF-INOX 250...

Type	Application	Order No.
Wall bracket set INOX, 2 pcs.		3 2283 000 014
Mounting frame INOX for ceiling mounting:	for luminaires 2 x 18 W	3 2283 000 008
	for luminaires 4 x 18 W	3 2283 000 009
	for luminaires 2 x/3 x 36 W	3 2283 000 010
	for luminaires 4 x 36 W	3 2283 000 011
Battery set 3.6 V/4 Ah		on request
Battery set 6 V/4 Ah		on request

Lamp for luminaire RLF-INOX 250...

Type of lamp /socket/ Diameter	Power Light colour	Luminous flux	Order No.
Bi-pin socket G13 / T26/Ø 26 mm (T8)/ G13-60081-IEC-2220-1	18 W	1200 lm white	3 2475 900 081
		1350 lm white	3 2475 900 001
Bi-pin socket G13 / T26/Ø 26 mm (T8) G13-60081-IEC-2420-1	36 W	2850 lm white	3 2475 900 082
		3350 lm white	3 2475 900 002
Bi-pin socket G13 / T26/Ø 26 mm (T8) G13-60081-IEC-2520-1	58 W	4600 lm white	3 2475 900 083
		5200 lm white	3 2475 900 003
Aura-Ultimate	18 W	1300 lm white	3 2475 900 087
T26/Ø 26 mm (T8) Longlife	36 W	3350 lm white	3 2475 900 088
G13-socket	58 W	5200 lm white	on request

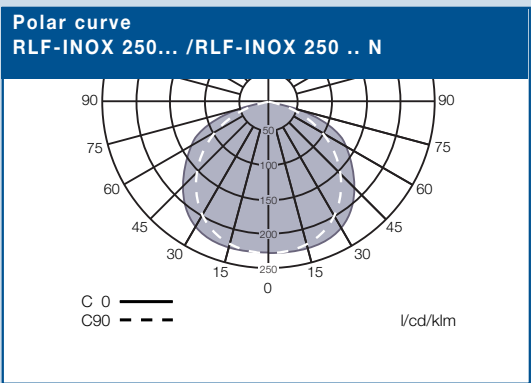
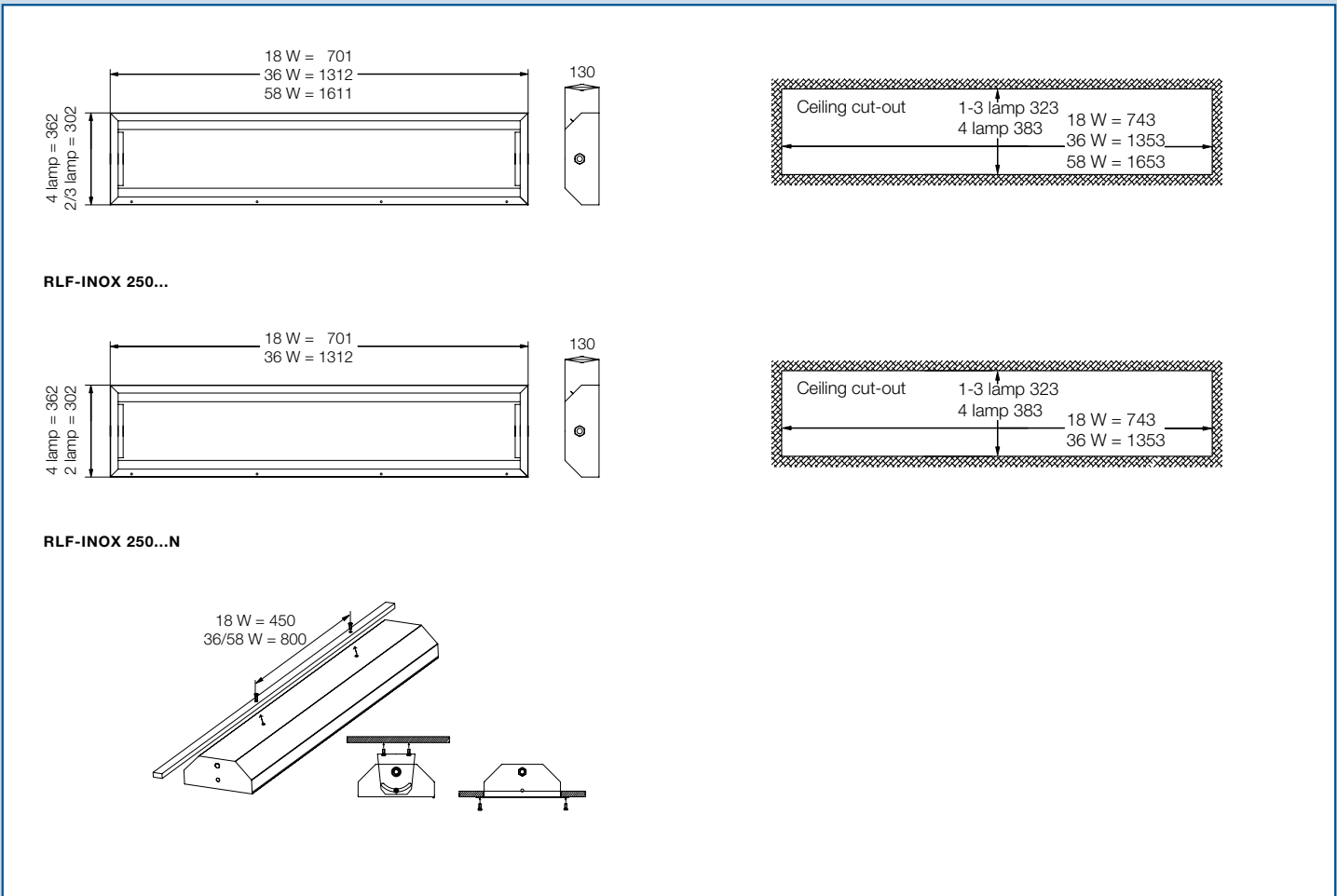
Stainless Steel Version



RLF-INOX 25036/36 N

RLF-INOX 250418 N

Dimension drawing | Polar curve



Dimensions in mm

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