


TECHNICAL SPECIFICATION

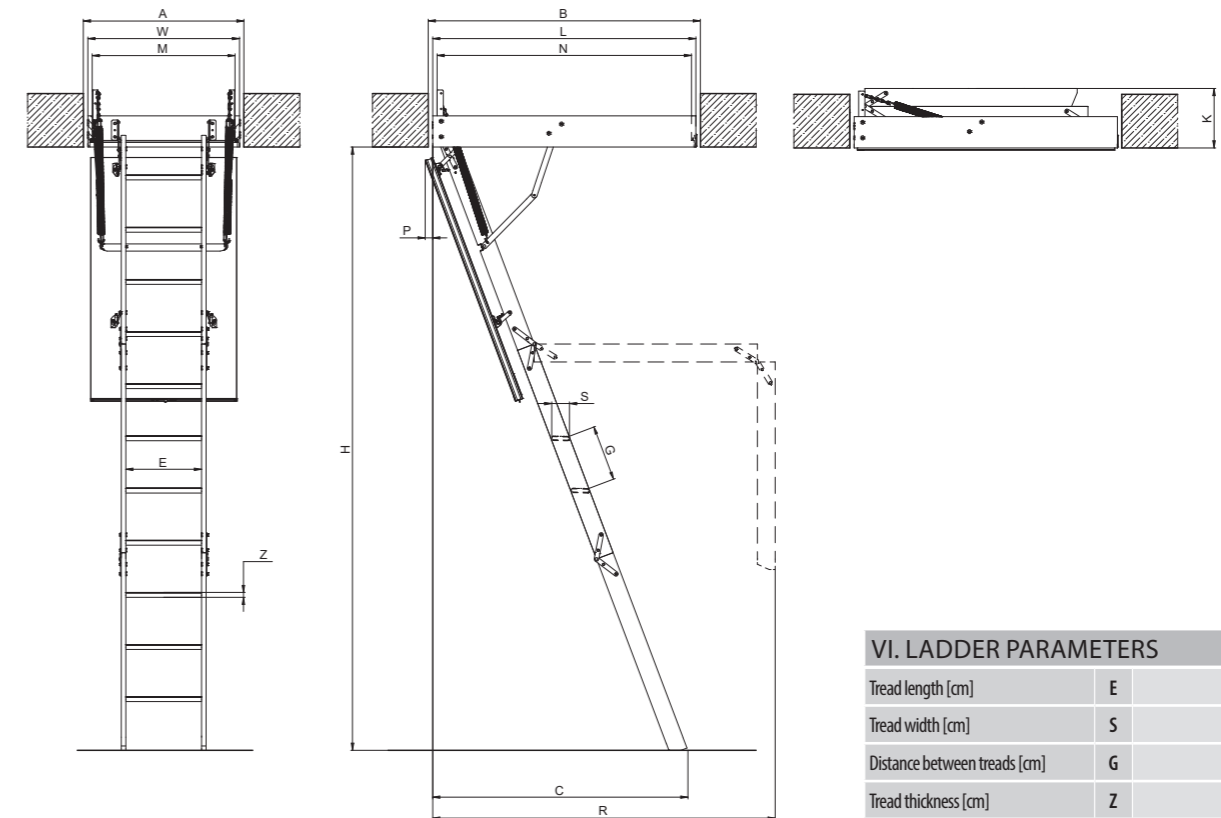
LWS Smart

FOLDING WOODEN SECTION LOFT LADDERS

LOFT LADDER TYPE	LWS Smart	
	 <p>Compliant with EN14975</p>	
I. APPLICATION		
Room height [cm]	280	
Installation	- fully assembled product - easy to install (use of special fasteners – the so called „clicks“)	
II. FEATURES		
Box	pinewood	
Hatch	thermo-insulating	
Hatch colour	beige	
Lock	+	
Unloading mechanism	-	
Ladder	pinewood	
Seal	peripheral	
Treads	anti-slip	
Handrail	-	
Finishing trims	-	
Stile ends	-	
III. TECHNICAL PARAMETERS		
Stairs heat transfer coefficient U	1.1 W/m ² K	
Thermal insulation thickness	3 cm	
Hatch thickness	3.6 cm	
Maximum loading	160 kg	
IV. OPTIONS		
Accessories	- handrail - balustrade - installation brackets - wooden trims - plastic trims - box extension - upper hatch** - insulation kit - supporting mechanism (only in 3-section version) - stile ends - additional tread	



** for 4-segment stairs use LXN box extension before upper hatch

V. LOFT LADDER DIAGRAM



VI. LADDER PARAMETERS		
Tread length [cm]	E	34
Tread width [cm]	S	8
Distance between treads [cm]	G	25
Tread thickness [cm]	Z	2

VII. TECHNICAL PARAMETERS FOR LOFT LADDERS IN PARTICULAR SIZES

Ceiling opening dimensions [cm]	AxB	60x120	70x120
			
Room height [cm]	H	280	
Min. room height [cm]	H _{min}	232	
Box external dimensions [cm]	WxL	58x118.4	68x118.4
Box internal dimensions [cm]	MxN	54x114	64x114
Height of folded ladder [cm]	K	27	
Swing space [cm]	R	156	156
Distance after ladder unfolding [cm]	C	120	120
Hatch board retraction after opening [cm]	P	4	
Box height [cm]		14	
Number of sections		3	

TECHNICAL SPECIFICATION

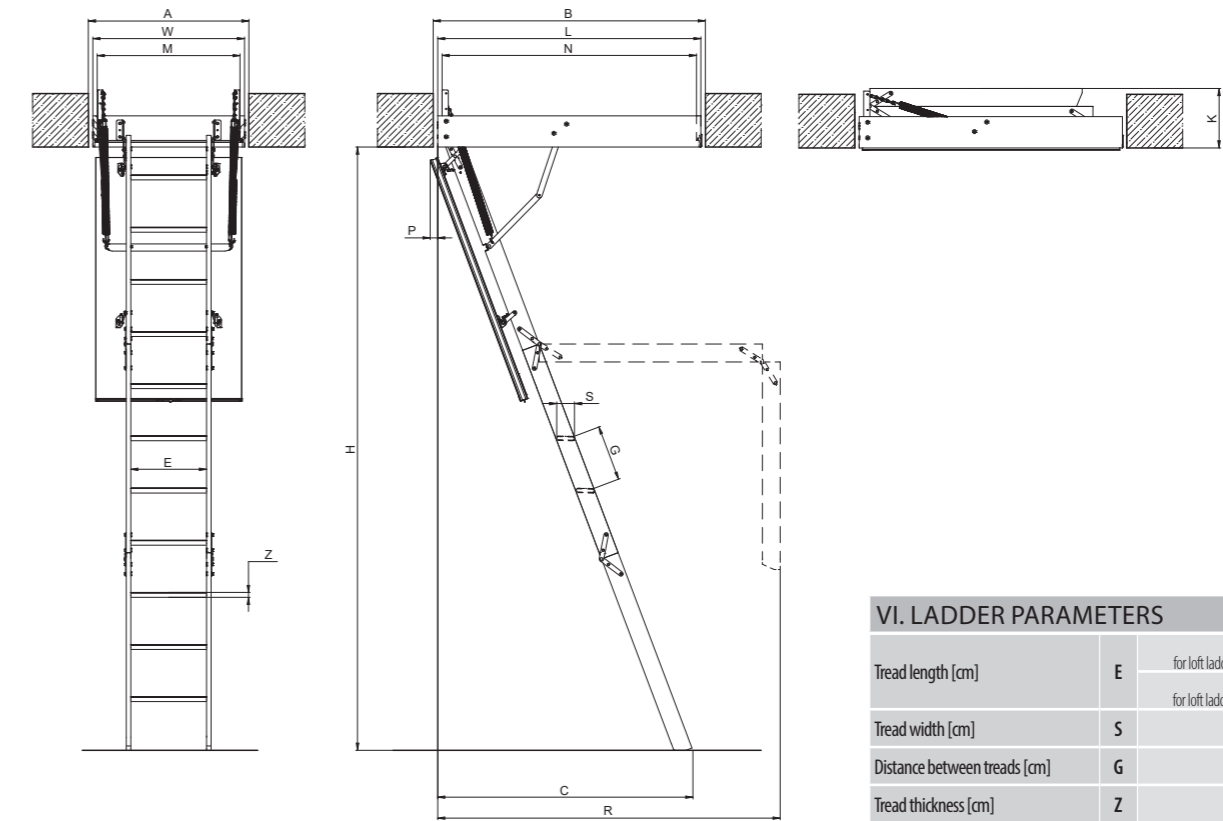
LWK Komfort

FOLDING WOODEN SECTION LOFT LADDERS

LOFT LADDER TYPE	LWK Komfort
	 <p>Compliant with EN14975</p>
I. APPLICATION	
Room height [cm]	280, 305
Installation	- fully assembled product - easy to install (use of special fasteners – the so called „clicks“)
II. FEATURES	
Box	pinewood
Hatch	thermo-insulating
Hatch colour	white
Lock	+
Unloading mechanism	-
Ladder	pinewood
Seal	peripheral
Treads	anti-slip
Handrail	x 1
Finishing trims	-
Stile ends	+ (only in 3-section version)
III. TECHNICAL PARAMETERS	
Hatch heat transfer coefficient U	1.1 W/m ² K
Thermal insulation thickness	3 cm
Hatch thickness	3.6 cm
Maximum loading	160 kg
IV. OPTIONS	
Accessories	<ul style="list-style-type: none"> - handrail - balustrade - installation brackets - wooden trims - plastic trims - box extension - upper hatch** - insulation kit - supporting mechanism (only in 3-section version) - stile ends (only in 3-section version) - additional tread

** for 4-segment stairs use LXN box extension before upper hatch

V. LOFT LADDER DIAGRAM



VI. LADDER PARAMETERS		
Tread length [cm]	E	30 for loft ladders with a width of 55 cm 34 for loft ladders with a width >55 cm
Tread width [cm]	S	8
Distance between treads [cm]	G	25
Tread thickness [cm]	Z	2



VII. TECHNICAL PARAMETERS FOR LOFT LADDERS IN PARTICULAR SIZES

Ceiling opening dimensions [cm]	AxB	55x111	60x94	60x100	60x111	60x120	60x130	70x94	70x100	70x111	70x120	70x130	70x140	60x130	60x140	70x130	70x140
Room height [cm]	H	280												305			
Min. room height [cm]	H _{min}	232	250		232		250			232						246	
Box external dimensions [cm]	WxL	53x109.4	58x92.4	58x98.4	58x109.4	58x118.4	58x128.4	68x92.4	68x98.4	68x109.4	68x118.4	68x128.4	68x138.4	58x128.4	58x138.4	68x128.4	68x138.4
Box internal dimensions [cm]	MxN	49x105	54x88	54x94	54x105	54x114	54x124	64x88	64x94	64x105	64x114	64x124	64x134	54x124	54x134	64x124	64x134
Height of folded ladder [cm]	K	27	35		27		35							27			
Swing space [cm]	R	153	128		153	156		128		153		156				175	
Distance after ladder unfolding [cm]	C	113	114		113	120		114		113		120				135	
Hatch board retraction after opening [cm]	P	4												14			
Box height [cm]		4												14			
Number of sections		3	4		3		4							3			

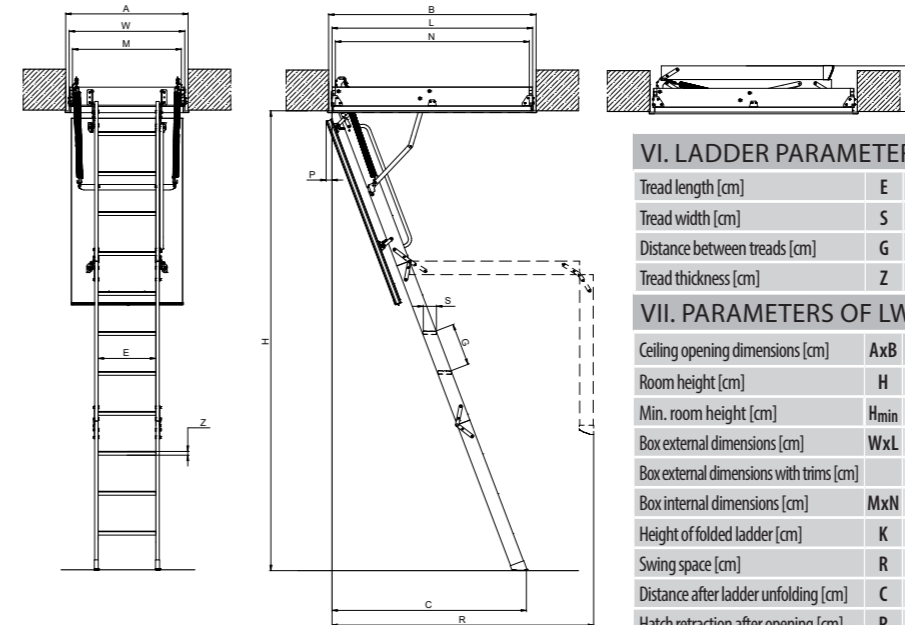
TECHNICAL SPECIFICATION

LWZ Plus, LWL Extra

FOLDING WOODEN 3-SECTION LOFT LADDER

LOFT LADDER TYPE	LWZ Plus	LWL Extra
	 Compliant with EN14975	 Compliant with EN14975
I. APPLICATION		
Room height [cm]	280, 305	
Installation	- fully assembled product - quick mounting system in the ceiling-Quick-fit brackets built into steel frame	- fully assembled product - easy to install (use of special fasteners – the so called „clicks“)
II. FEATURES		
Box	metal framework combined with pinewood box	pinewood
Hatch	thermo-insulating	
Hatch colour	white	
Lock	+	+
Unloading mechanism	-	-
Ladder supporting mechanism	-	+
Ladder	pinewood	
Seal	peripheral	
Treads	anti-slip	
Handrail	x1	x2
Finishing trims	metal integrated with a steel framework	-
Stile ends	+	
III. TECHNICAL PARAMETERS		
Heat transfer coefficient U	1.1 W/m²K (for the hatch)	0.74 W/m²K (for the stairs)
Thermal insulation thickness	3 cm	5 cm
Hatch thickness	3.6 cm	5.6 cm
Maximum loading	160 kg	
Air tightness class	npd	class 4 (the highest) as per EN 12207
IV. OPTIONS		
Accessories	- handrail - balustrade - box extension - upper hatch - additional tread - stile ends - ladder supporting mechanism	- balustrade - installation brackets - wooden trims - plastic trims - box extension - upper hatch - insulation kit - additional tread - stile ends

V. DIAGRAM OF LWZ Plus LOFT LADDER



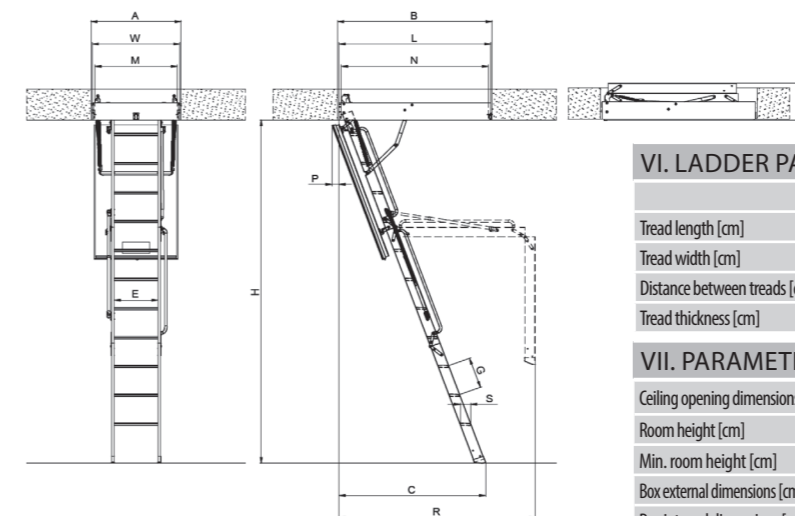
VI. LADDER PARAMETERS

Tread length [cm]	E	34
Tread width [cm]	S	8
Distance between treads [cm]	G	25
Tread thickness [cm]	Z	2

VII. PARAMETERS OF LWZ Plus LOFT LADDER

Ceiling opening dimensions [cm]	AxB	60x120	70x120	70x130	70x140	60x130	70x130	70x140
Room height [cm]	H	280			305			
Min. room height [cm]	H _{min}	232			246			
Box external dimensions [cm]	WxL	58.8x118.8	68.8x118.8	68.8x128.8	68.8x138.8	58.8x128.8	68.8x128.8	68.8x138.8
Box external dimensions with trims [cm]		62.9x122.9	72.9x122.9	72.9x132.9	72.9x142.9	62.9x132.9	72.9x132.9	72.9x142.9
Box internal dimensions [cm]	MxN	54x114	64x114	64x124	64x134	54x124	64x124	64x134
Height of folded ladder [cm]	K	27						
Swing space [cm]	R	156			175			
Distance after ladder unfolding [cm]	C	120			135			
Hatch retraction after opening [cm]	P	4						
Box height [cm]		14						

V. DIAGRAM OF LWL Extra LOFT LADDER



VI. LADDER PARAMETERS

		60 x ...	70 x ...
Tread length [cm]	E	30	34
Tread width [cm]	S	8	
Distance between treads [cm]	G	25	
Tread thickness [cm]	Z	2	


VII. PARAMETERS OF LWL Extra LOFT LADDER

Ceiling opening dimensions [cm]	AxB	60x120	70x120	70x130	70x140	60x130	70x130	70x140
Room height [cm]	H	280			305			
Min. room height [cm]	H _{min}	260			280			
Box external dimensions [cm]	WxL	58x118.4	68x118.4	68x128.4	68x138.4	58x128.4	68x128.4	68x138.4
Box internal dimensions [cm]	MxN	54x114	64x114	64x124	64x134	54x124	64x124	64x134
Height of folded ladder [cm]	K	30						
Swing space [cm]	R	156			175			
Distance after ladder unfolding [cm]	C	120			135			
Hatch retraction after opening [cm]	P	6						
Box height [cm]		14						

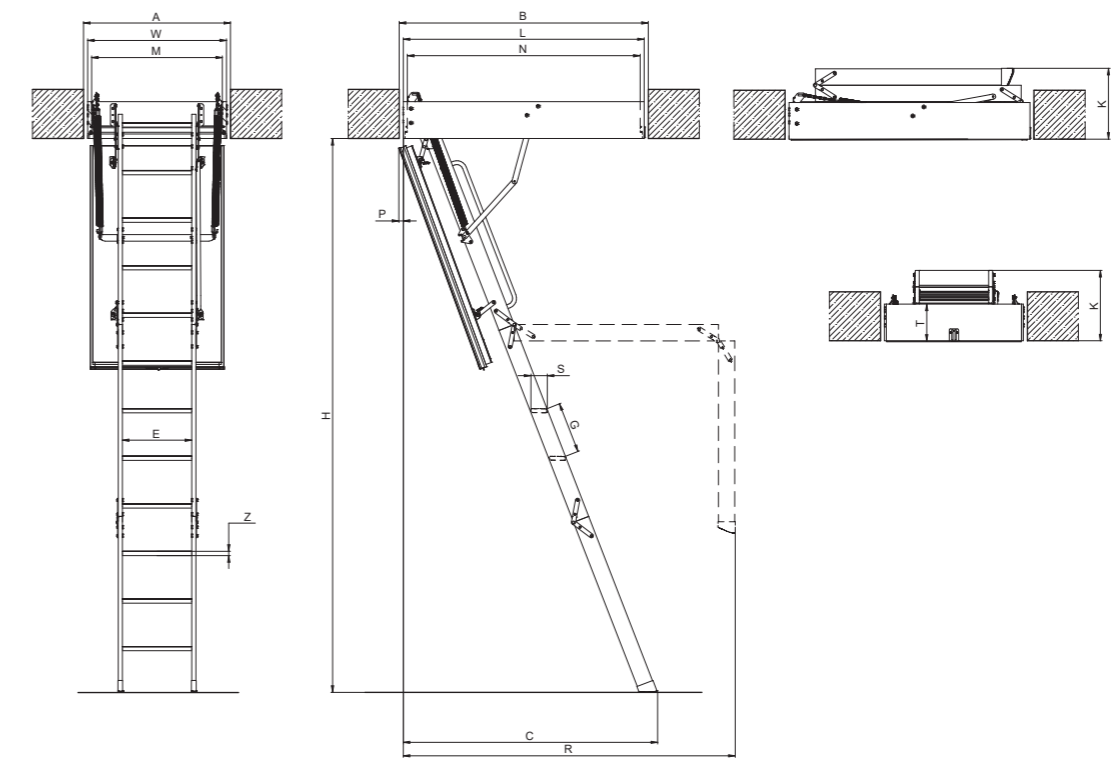
TECHNICAL SPECIFICATION

LTK Energy

FOLDING WOODEN SECTION INSULATED LOFT LADDER

LOFT LADDER TYPE	LTK Energy	
	 <p>Compliant with EN14975</p>	
I. APPLICATION		
Room height [cm]	280, 305	
Installation	- fully assembled product - easy to install (use of special fasteners – the so called „clicks“)	
II. FEATURES		
Box	pinewood	
Hatch	extra thermo-insulating	
Hatch colour	white	
Lock	+	
Unloading mechanism	-	
Ladder	pinewood	
Seal	peripheral x 2	
Treads	anti-slip	
Handrail	x1	
Finishing trims	-	
Stile ends	+ (only in 3-section version)	
III. TECHNICAL PARAMETERS		
Stairs heat transfer coefficient U	0.68 W/m²K	
Thermal insulation thickness	6 cm	
Hatch thickness	6.6 cm	
Maximum loading	160 kg	
Air tightness class	class 4 (the highest) as per EN 12207	
IV. OPTIONS		
Accessories	- handrail - balustrade - installation brackets - wooden trims - plastic trims - box extension - upper hatch** - insulation kit - ladder supporting mechanism - stile ends (only in 3-section version)	

V. DIAGRAM OF LTK Energy LOFT LADDER



VI. LADDER PARAMETERS

		55x...	60x... i 70x...
Tread length [cm]	E	30	34
Tread width [cm]	S	8	
Distance between treads [cm]	G	25	
Tread thickness [cm]	Z	2	

VII. PARAMETERS OF LTK ENERGY LOFT LADDER




Ceiling opening dimensions [cm]	AxB	55x100	60x100	70x100	60x120	70x120	70x130	70x140	60x130	70x130	70x140
Room height [cm]	H	280									
Min. room height [cm]	H _{min}	253			235				243		
Box external dimensions [cm]	WxL	53x98.4	58x98.4	68x98.4	58x118.4	68x118.4	68x128.4	68x138.4	58x128.4	68x128.4	68x138.4
Box internal dimensions [cm]	MxN	49x94	54x94	64x94	54x114	64x114	64x124	64x134	54x124	64x124	64x134
Height of folded ladder [cm]	K	42			35						
Swing space [cm]	R	136			164				178		
Distance after ladder unfolding [cm]	C	123			129				139		
Hatch board retraction after opening [cm]	P	3									
Box height [cm]		18									
Number of sections		4				3					

** for 4-segment stairs use LXN box extension before upper hatch

TECHNICAL SPECIFICATION

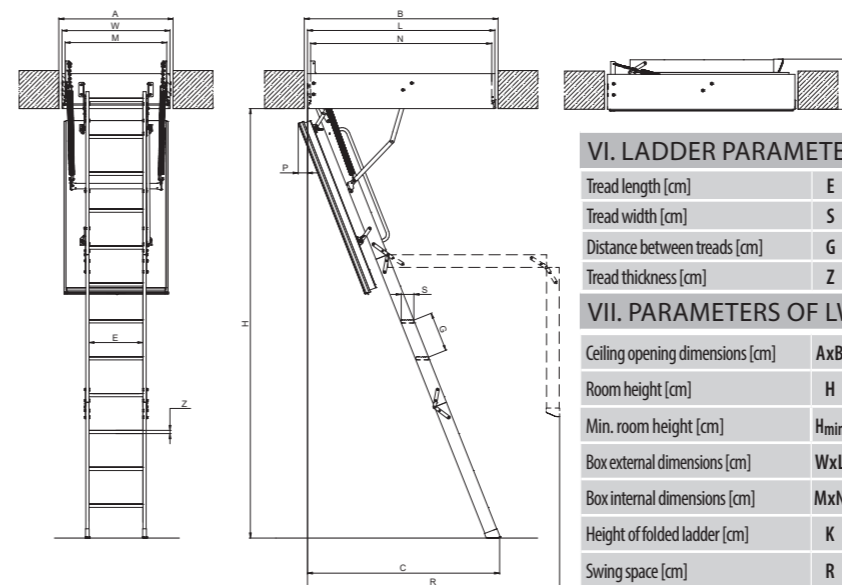
LWT

FOLDING WOODEN SECTION INSULATED LOFT LADDER

LOFT LADDER TYPE	LWT	LWT Passive House
	 <p>Compliant with EN14975</p>	  <p>Compliant with EN14975</p>
I. APPLICATION		
Room height [cm]	280, 305	280, 305
Installation	- fully assembled product - easy to install (use of special fasteners – the so called „clicks“)	- fully assembled product - easy to install (use of special fasteners – the so called „clicks“) - PASSIVE HOUSE Insulation kit
II. FEATURES		
Box	pinewood	
Hatch	extra thermo-insulating	
Hatch colour	white	
Lock	+	
Unloading mechanism	-	
Ladder	pinewood	
Seal	x 3	
Treads	anti-slip, equal to ladder's stringers	
Handrail	+	
Finishing trims	-	
Stile ends	+	
III. TECHNICAL PARAMETERS		
Stairs heat transfer coefficient U	0.51 W/m²K	0.51 W/m²K
Thermal insulation thickness	7.4 cm	7.4 cm
Hatch thickness	8 cm	8 cm
Maximum loading	160 kg	160 kg
Air tightness class	class 4 (the highest) as per EN 12207	
IV. OPTIONS		
Accessories	<ul style="list-style-type: none"> - handrail - balustrade - installation brackets - wooden trims - plastic trims - box extension - upper hatch** - insulation kit - ladder supporting mechanism - stile ends 	<ul style="list-style-type: none"> - handrail - balustrade - installation brackets - wooden trims - plastic trims - box extension - upper hatch - ladder supporting mechanism - stile ends

** for 4-segment stairs use LXN box extension before upper hatch

V. DIAGRAM OF LWT LOFT LADDER



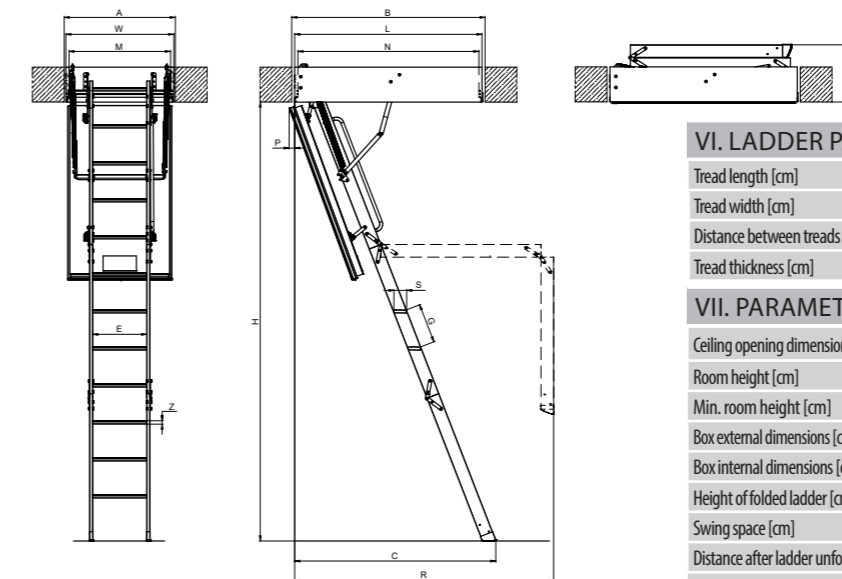
VI. LADDER PARAMETERS

Tread length [cm]	E	34
Tread width [cm]	S	8
Distance between treads [cm]	G	25
Tread thickness [cm]	Z	2

VII. PARAMETERS OF LWT LOFT LADDER

Ceiling opening dimensions [cm]	AxB	55x100	60x100	70x100	60x120	70x120	70x130	70x140	60x130	70x130	70x140	
Room height [cm]	H	280										
Min. room height [cm]	H _{min}	253			234				242			
Box external dimensions [cm]	WxL	53x98.4	58x98.4	68x98.4	58x118.4	68x118.4	68x128.4	68x138.4	58x128.4	68x128.4	68x138.4	
Box internal dimensions [cm]	MxN	49x94	54x94	64x94	54x114	64x114	64x124	64x134	54x124	64x124	64x134	
Height of folded ladder [cm]	K	43,5			36							
Swing space [cm]	R	136			164				178			
Distance after ladder unfolding [cm]	C	123			127				137			
Hatch board retraction after opening [cm]	P	4.5										
Box height [cm]		22										
Number of sections		4					3					

V. DIAGRAM OF LWT PASSIVE HOUSE LOFT LADDER



VI. LADDER PARAMETERS

Tread length [cm]	E	34
Tread width [cm]	S	8
Distance between treads [cm]	G	25
Tread thickness [cm]	Z	2

VII. PARAMETERS OF LWT PASSIVE HOUSE LOFT LADDER


Ceiling opening dimensions [cm]	AxB	62x122	72x122	72x132	72x142	62x132	72x132	72x142
Room height [cm]	H	280			305			
Min. room height [cm]	H _{min}	234			242			
Box external dimensions [cm]	WxL	58x118.4	68x118.4	68x128.4	68x138.4	58x128.4	68x128.4	68x138.4
Box internal dimensions [cm]	MxN	54x114	64x114	64x124	64x134	54x124	64x124	64x134
Height of folded ladder [cm]	K	36						
Swing space [cm]	R	164			178			
Distance after ladder unfolding [cm]	C	130			137			
Hatch board retraction after opening [cm]	P	4.5						
Box height [cm]		22						

TECHNICAL SPECIFICATION

LWF 45

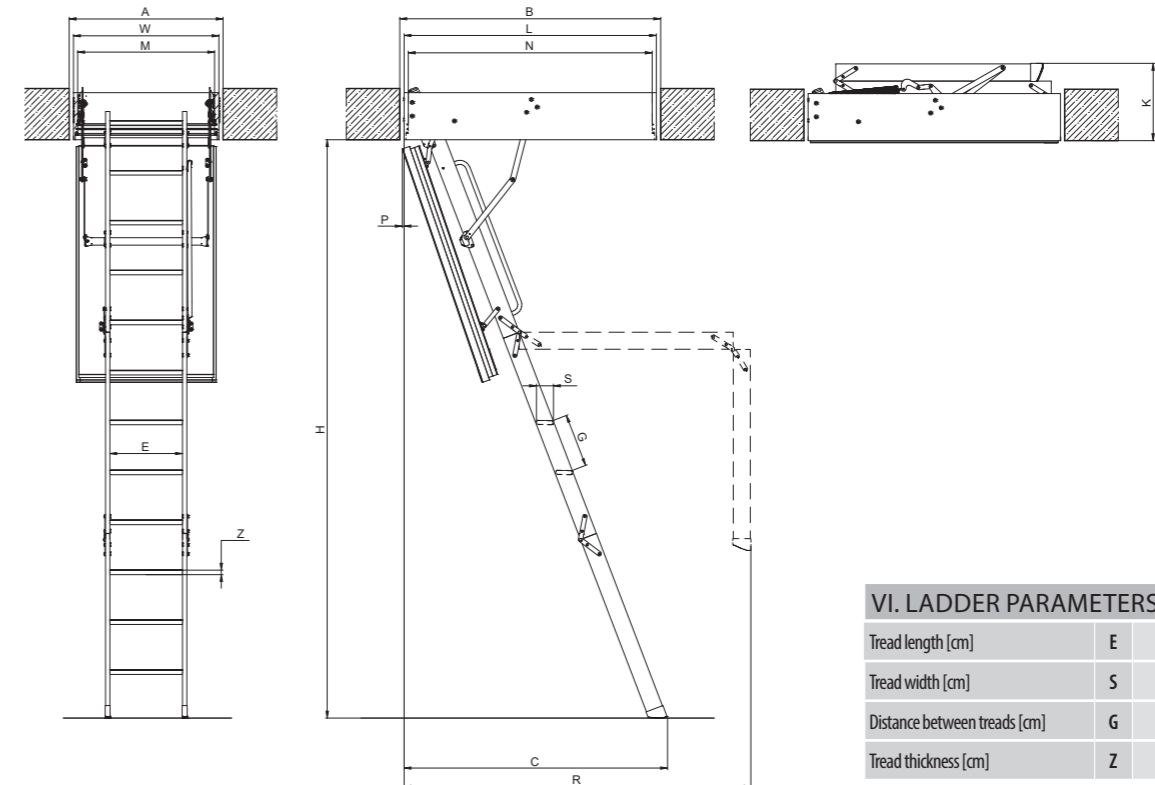
FOLDING WOODEN SECTION
FIRE-RESISTANT LOFT LADDER



LOFT LADDER TYPE	LWF 45
	 <p>Compliant with EN14975 Classification as per EN 13501-2</p>
I. APPLICATION	
Room height [cm]	280, 305
Installation	- fully assembled product - ready for quick installation in the ceiling
II. FEATURES	
Box	pinewood
Hatch	fire resistant
Hatch colour	white
Lock	-
Unloading mechanism	-
Ladder	pinewood
Seal	x3, seal increasing its volume under the influence of high temperature
Treads	anti-slip, equal to ladder's stringers
Handrail	+
Finishing trims	-
Stile ends	+
III. TECHNICAL PARAMETERS	
Stairs heat transfer coefficient U*	0.6 W/m ² K
Thermal insulation thickness	7.4 cm
Hatch thickness	8 cm
Maximum loading	160 kg
Fire resistance	EI ₁ =45min
IV. OPTIONS	
Accessories	- handrail - balustrade - installation brackets - wooden trims - plastic trims - box extension - ladder supporting mechanism - upper hatch - stile ends

* manufacturer's own data

V. DIAGRAM OF LWF 45 LOFT LADDER



VI. LADDER PARAMETERS

Tread length [cm]	E	34 cm
Tread width [cm]	S	8 cm
Distance between treads [cm]	G	25 cm
Tread thickness [cm]	Z	2 cm


VII. PARAMETERS OF LWF 45 LOFT LADDER

Ceiling opening dimensions [cm]	AxB	55x100	60x100	70x100	60x120	70x120	70x130	70x140	86x130	70x130	70x140	86x130
Room height [cm]	H	280						305				
Min. room height [cm]	H _{min}	253			234			242				
Box external dimensions [cm]	WxL	53x98	58x98	58x98	58x118	68x118	68x128	68x138	84x128	68x128	68x138	84x128
Box internal dimensions [cm]	MxN	49x94	54x94	64x94	54x114	64x114	64x124	64x134	80x124	64x124	64x134	80x124
Height of folded ladder [cm]	K	44						37				
Swing space [cm]	R	138						164			178	
Distance after ladder unfolding [cm]	C	126						129			139	
Hatch board retraction after opening [cm]	P	3						3				
Box height [cm]								22				
Number of sections		4						3				

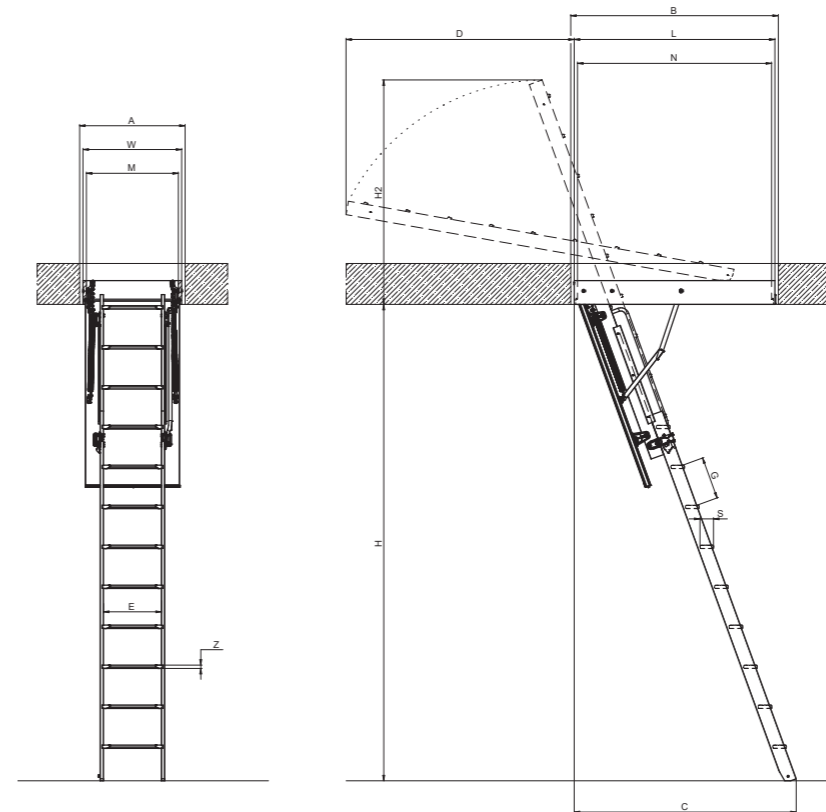
TECHNICAL SPECIFICATION

LDK

SLIDING WOODEN DOUBLE-SECTION LOFT LADDERS

LOFT LADDER TYPE	LDK	
		
	Compliant with EN14975	
I. APPLICATION		
Room height [cm]	280, 305	
Installation	- fully assembled product - ready for quick installation in the ceiling	
II. FEATURES		
Box	pinewood	
Hatch	thermo-insulating	
Hatch colour	white	
Lock	+	
Unloading mechanism	-	
Ladder	pinewood	
Folding	A specially developed mechanism allows sliding of the sections in relation to each other. The longer section can be pulled down to form a stable ladder. When folding the ladder, the longer section is retracted and stored in the attic.	
Seal	peripheral	
Treads	anti-slip	
Handrail	+	
Finishing trims	-	
Stile ends	-	
III. TECHNICAL PARAMETERS		
Hatch heat transfer coefficient U	1.1 W/m ² K	
Thermal insulation thickness	3 cm	
Hatch thickness	3.6 cm	
Maximum loading	160 kg	
IV. OPTIONS		
Accessories	- balustrade - handrail - installation brackets - wooden trims - plastic trims - box extension - insulation kit	

V. DIAGRAM OF LDK LOFT LADDER



VI. LADDER PARAMETERS

Tread length [cm]	E	34
Tread width [cm]	S	8
Distance between treads [cm]	G	25
Tread thickness [cm]	Z	2


VII. PARAMETERS OF LDK LOFT LADDER

Ceiling opening dimensions [cm]	AxB	60x120	70x120	70x130	70x140	60x120	70x120	70x130	70x140
Sliding section LDS				LDS-9				LDS-10	
Room height [cm]	H			280				305	
Min. room height [cm]	H _{min}							200	
Box external dimensions [cm]	WxL	58x118.4	68x118.4	68x128.4	68x138.4	58x118.4	68x118.4	68x128.4	68x138.4
Box internal dimensions [cm]	MxN	54x114	64x114	64x124	64x134	54x114	64x114	64x124	64x134
Distance after ladder unfolding [cm]	C			130				140	
Maximum height in the ceiling with the ladder folded [cm]	H ₂			130				155	
Maximum length in the ceiling with the hatch closed [cm]	D			129				155	
Box height [cm]								14	
Ceiling maximum thickness [cm]								35	

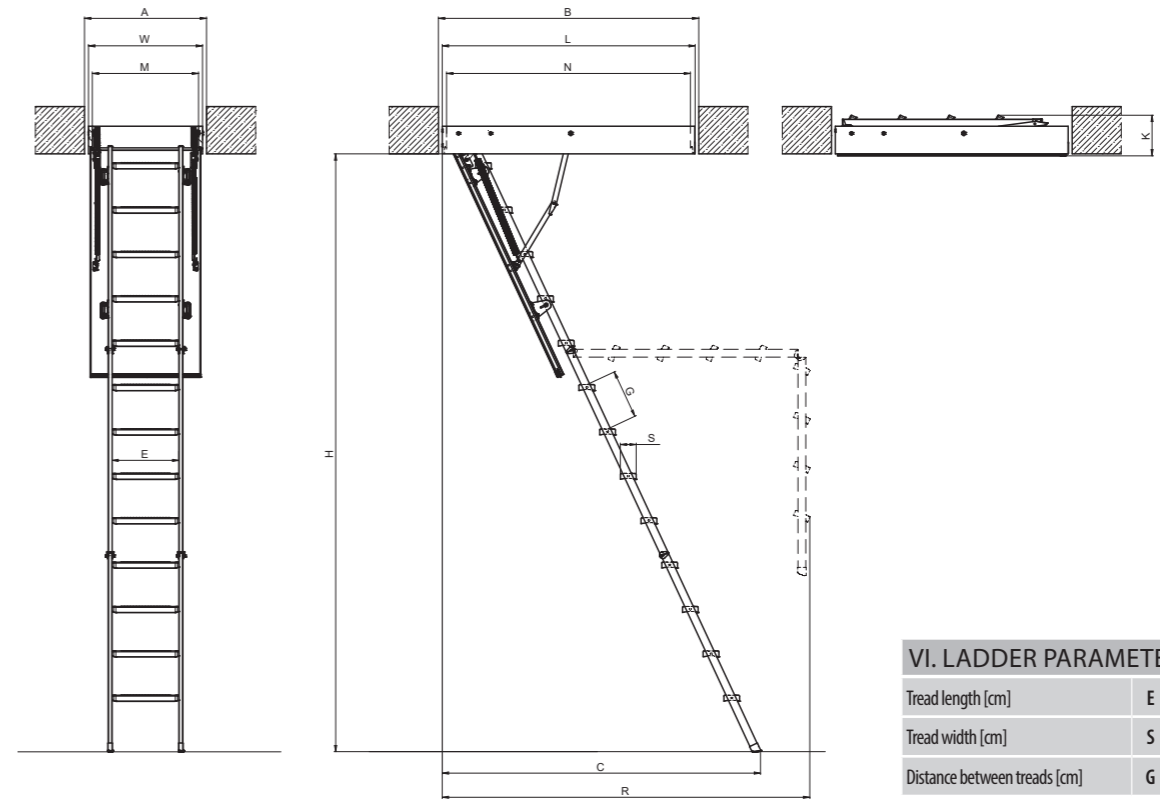
TECHNICAL SPECIFICATION

LMS Smart

FOLDING METAL SECTION LOFT LADDERS

LOFT LADDER TYPE	LMS Smart	
	 <p>Compliant with EN14975</p>	
I. APPLICATION		
Room height [cm]	280	
Installation	- fully assembled product - ready for quick installation in the ceiling	
II. FEATURES		
Box	pinewood	
Hatch	thermo-insulating	
Hatch colour	beige	
Lock	+	
Unloading mechanism	-	
Ladder	metal, powder-coated with hard wearing lacquer in grey RAL 7022	
Seal	peripheral	
Treads	metal, anti-slip	
Handrail	-	
Finishing trims	-	
Stile ends	+	
III. TECHNICAL PARAMETERS		
Hatch heat transfer coefficient U	1.1 W/m ² K	
Thermal insulation thickness	3 cm	
Hatch thickness	3.6 cm	
Maximum loading	200 kg	
IV. OPTIONS		
Accessories	- handrail - balustrade - installation brackets - wooden trims - plastic trims - box extension - upper hatch - insulation kit - additional tread	

V. DIAGRAM OF LMS SMART LOFT LADDER



VI. LADDER PARAMETERS		
Tread length [cm]	E	34
Tread width [cm]	S	8
Distance between treads [cm]	G	25


VII. PARAMETERS OF LMS SMART LOFT LADDER

Ceiling opening dimensions [cm]	AxB	60x120	70x120
Room height [cm]	H	280	
Min. room height [cm]	H _{min}	220	
Box external dimensions [cm]	WxL	58x118.4	68x118.4
Box internal dimensions [cm]	MxN	54x114	64x114
Height of folded ladder [cm]	K	25.5	
Swing space [cm]	R	157	
Distance after ladder unfolding [cm]	C	118.5	
Box height [cm]		14	

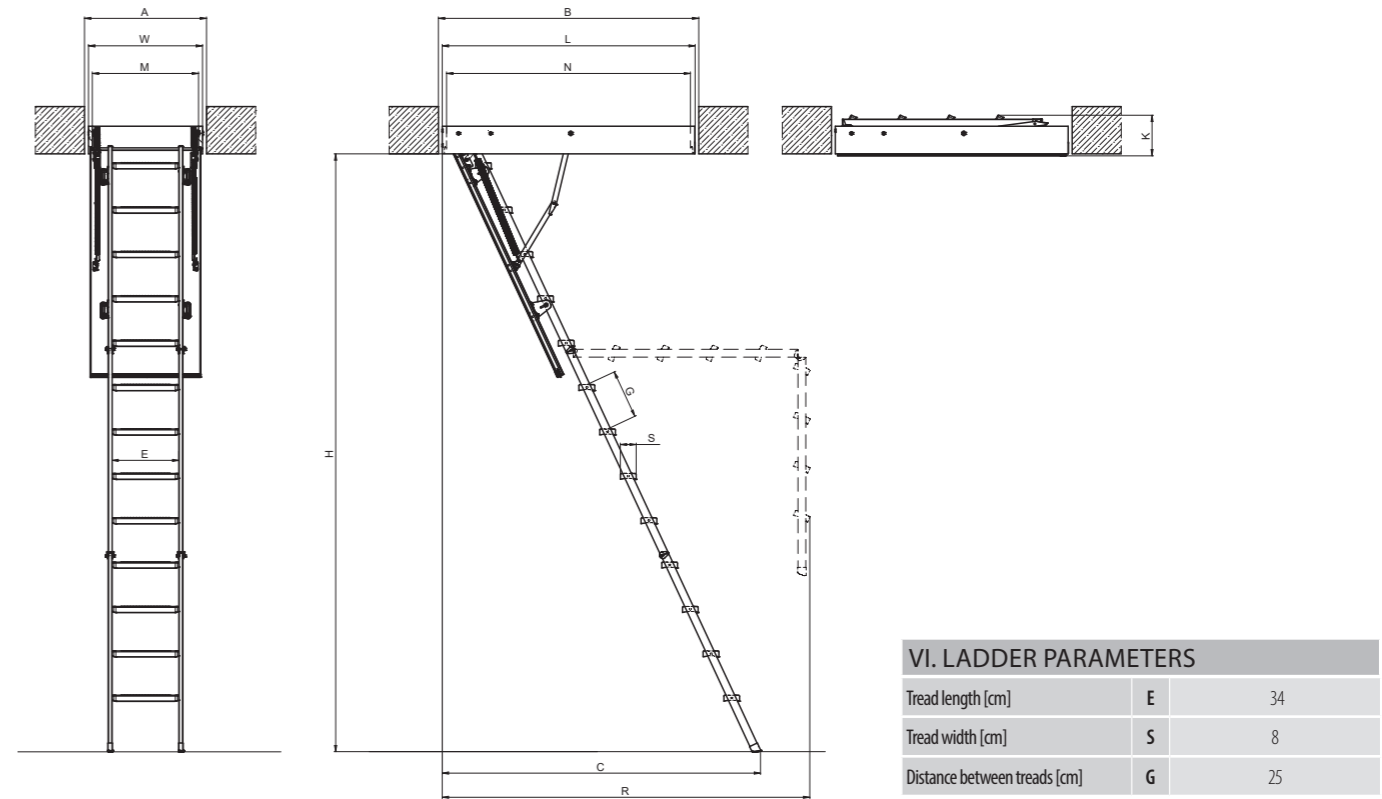
TECHNICAL SPECIFICATION

LMK Komfort

FOLDING METAL SECTION LOFT LADDERS

LOFT LADDER TYPE	LMK Komfort
	 <p>Compliant with EN14975</p>
I. APPLICATION	
Room height [cm]	280, 305
Installation	- fully assembled product - ready for quick installation in the ceiling
II. FEATURES	
Box	pinewood
Hatch	thermo-insulating
Hatch colour	white
Lock	+
Unloading mechanism	-
Ladder	metal, powder-coated with hard wearing lacquer in grey RAL 7022
Seal	peripheral
Treads	metal, anti-slip
Handrail	x 1
Finishing trims	-
Stile ends	+
III. TECHNICAL PARAMETERS	
Hatch heat transfer coefficient U	1.1 W/m²K
Thermal insulation thickness	3 cm
Hatch thickness	3.6 cm
Maximum loading	200 kg
IV. OPTIONS	
Accessories	- handrail - balustrade - installation brackets - wooden trims - plastic trims - box extension - upper hatch - insulation kit - additional tread

V. DIAGRAM OF LMK KOMFORT LOFT LADDER



VI. LADDER PARAMETERS		
Tread length [cm]	E	34
Tread width [cm]	S	8
Distance between treads [cm]	G	25


VII. PARAMETERS LMK KOMFORT LOFT LADDER

Ceiling opening dimensions [cm]	AxB	60x120	70x120	70x130	70x140	60x130	70x130	70x140
Room height [cm]	H	280			305			
Min. room height [cm]	H _{min}	220			245			
Box external dimensions [cm]	WxL	58x118.4	68x118.4	68x128.4	68x138.4	58x128.4	68x128.4	68x138.4
Box internal dimensions [cm]	MxN	54x114	64x114	64x124	64x134	54x124	64x124	64x134
Height of folded ladder [cm]	K	255						
Swing space [cm]	R	157			175			
Distance after ladder unfolding [cm]	C	1185			127			
Box height [cm]		14						

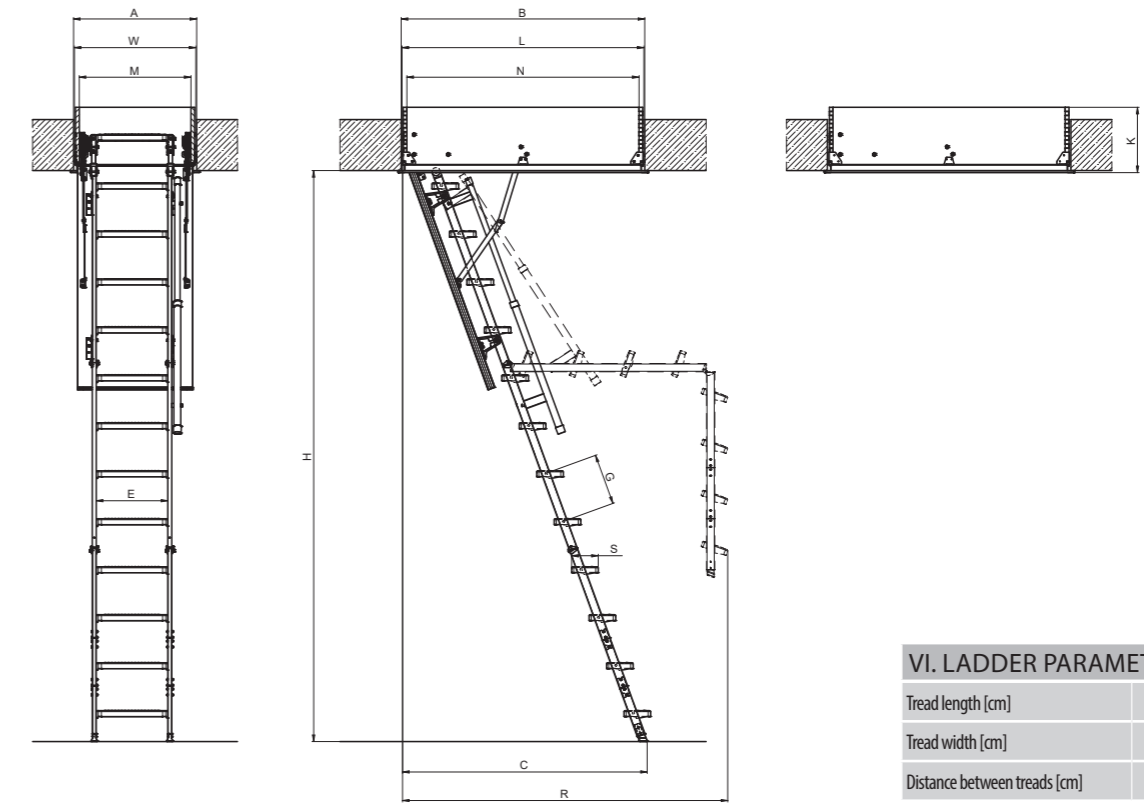
TECHNICAL SPECIFICATION

LML Lux

FOLDING METAL SECTION LOFT LADDER

LOFT LADDER TYPE	LML Lux	
		
	Compliant with EN14975	
I. APPLICATION		
Room height [cm]	280, 305	
Installation	- fully assembled product - quick mounting system in the ceiling (installation brackets) - ready for quick installation in the ceiling	
II. FEATURES		
Box	metal frame, pinewood box	
Hatch	thermo-insulating	
Hatch colour	white	
Lock	-	
Unloading mechanism	+	
Ladder	metal, powder-coated with hard wearing lacquer in grey RAL 9006	
Seal	peripheral	
Treads	metal, anti-slip	
Handrail	telescopic with mechanism supporting folding and unfolding the ladder	
Finishing trims	metal integrated with a steel framework	
Stile ends	retractable	
III. TECHNICAL PARAMETERS		
Hatch heat transfer coefficient U	1.1 W/m ² K	
Thermal insulation thickness	3 cm	
Hatch thickness	3.6 cm	
Maximum loading	200 kg	
IV. OPTIONS		
Accessories	- handrail - box extension - upper hatch - LXX-D installation set	

V. DIAGRAM OF LML LUX LOFT LADDER



VI. LADDER PARAMETERS		
Tread length [cm]	E	35
Tread width [cm]	S	13
Distance between treads [cm]	G	25


VII. PARAMETERS OF LML LUX LOFT LADDER

Ceiling opening dimensions [cm]	AxB	60x120	70x120	70x130	70x140	86x130	92x130	60x130	70x130	70x140	86x130	92x130	
Room height [cm]	H	280						305					
Min. room height [cm]	H _{min}	233						256					
Box external dimensions [cm]		59.6x118.6	68.6x118.6	68.6x128.6	68.6x138.6	84.6x128.6	90.6x128.6	59.6x128.6	68.6x128.6	68.6x138.6	84.6x128.6	90.6x128.6	
Box external dimensions with trims [cm]		63.6x122.6	72.6x122.6	72.6x132.6	72.6x142.6	88.6x132.6	94.6x132.6	56x124	72.6x132.6	72.6x142.6	88.6x132.6	94.6x132.6	
Box internal dimensions [cm]		55x114	64x114	64x124	64x134	80x124	86x124	55x124	64x124	64x134	80x124	86x124	
Height of folded ladder [cm]	K	315						315					
Swing space [cm]	R	167						178					
Distance after ladder unfolding [cm]	C	120						130					
Box height [cm]		315						315					

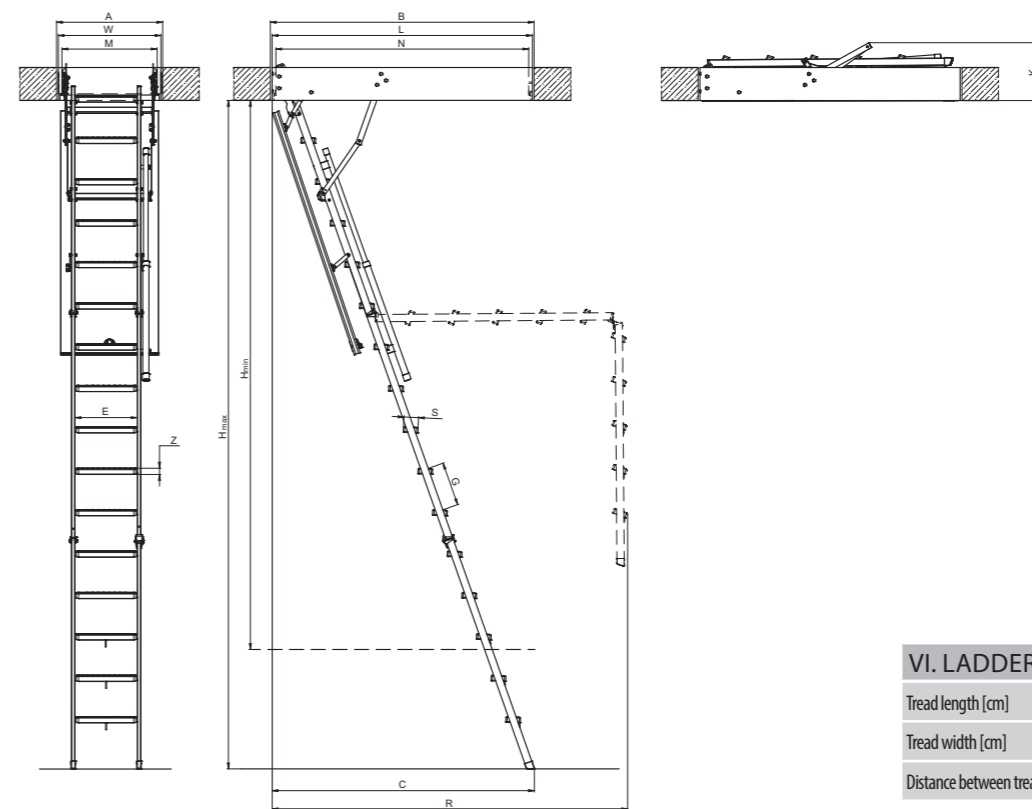
TECHNICAL SPECIFICATION

LMP

FOLDING METAL SECTION LOFT LADDER

LOFT LADDER TYPE	LMP
	 <p style="text-align: right;">Compliant with PN-EN 14975+A1:2010</p>
I. APPLICATION	
Room height [cm]	366
Installation	- fully assembled product - ready for quick mounting in the ceiling
II. FEATURES	
Box	pinewood
Hatch	insulated
Hatch colour	white
Lock	-
Unloading mechanism	+
Ladder	metal, powder coated in RAL 7022
Seal	peripheral
Treads	metal, anti-slip
Handrail	telescopic with mechanism supporting folding and unfolding the ladder
Finishing trims	metal integrated with a steel framework
Stile ends	retractable
III. TECHNICAL PARAMETERS	
Hatch heat transfer coefficient U	1.1 W/m²K
Thermal insulation thickness	3 cm
Hatch thickness	3,6 cm
Maximum loading	200 kg
IV. OPTIONS	
Accessories	- balustrade - box extension - upper hatch - LXX-D mounting system

V. LOFT LADDER DIAGRAM



VI. LADDER PARAMETERS		
Tread length [cm]	E	34
Tread width [cm]	S	8
Distance between treads [cm]	G	24

VII. TECHNICAL PARAMETERS FOR LOFT LADDERS IN PARTICULAR SIZES


Ceiling opening dimensions [cm]	AxB	60x144	70x144	86x144
Room height [cm]	H	366		
Min. room height [cm]	H _{min}	300		
Box external dimensions [cm]		58x142.2	68x142.2	84x142.2
Box internal dimensions [cm]		54x138.2	64x138.2	80x138.2
Height of folded ladder [cm]	K	32		
Swing space [cm]	R	196		
Distance after ladder unfolding [cm]	C	145		
Box height [cm]		18		

TECHNICAL SPECIFICATION

LMF 45

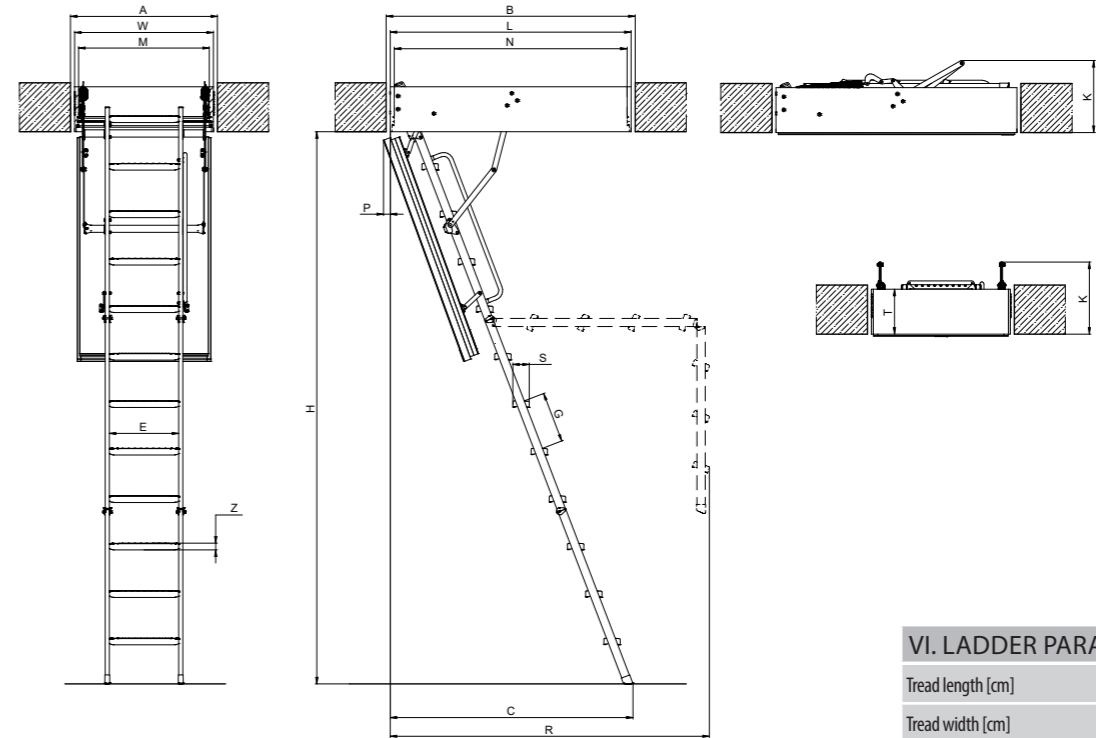
FOLDING METAL SECTION FIRE-RESISTANT LOFT LADDER



LOFT LADDER TYPE	LMF 45
	 <p style="text-align: right;">Compliant with EN14975</p>
I. APPLICATION	
Room height [cm]	280, 305, 358 cm
Installation	- fully assembled product - ready for quick installation in the ceiling
II. FEATURES	
Box	pinewood
Hatch	fire-resistant
Hatch colour	white
Lock	+
Ladder supporting mechanism	+ (in loft ladder with a height of up to 358cm)
Ladder	metal, powder-coated with hard wearing lacquer in grey RAL 7022
Seal	x3, seal increasing its volume under the influence of high temperature
Treads	metal, anti-slip
Handrail	+
Finishing trims	-
Stile ends	+
III. TECHNICAL PARAMETERS	
Stairs heat transfer coefficient U*	0.6* W/m²K
Thermal insulation thickness	7.4 cm
Hatch thickness	8 cm
Maximum loading	200 kg
Fire resistance	EI ₁ =45min
IV. OPTIONS	
Accessories	- handrail (only in 280 and 305 cm versions) - balustrade - installation brackets - wooden trims - plastic trims - box extension - upper hatch

* manufacturer's own data

V. DIAGRAM OF LMF 45 LOFT LADDER



VI. LADDER PARAMETERS

Tread length [cm]	E	34
Tread width [cm]	S	8
Distance between treads [cm]	G	25 (24 for the stairs of the maximum room height 358cm)


VII. PARAMETERS OF LMF 45 LOFT LADDER

Ceiling opening dimensions [cm]	AxB	60x120	70x120	70x130	70x140	86x130	70x130	70x140	86x130	60x140	70x140	86x140	
Room height [cm]	H	280			305			358					
Min. room height [cm]	H _{min}	233			234			300					
Zewnętrzne wymiary skrzynki [cm]		58x118	68x118	68x128	68x138	84x128	68x128	68x138	84x128	58x138	68x138	84x138	
Box internal dimensions [cm]		54x114	64x114	64x124	64x134	80x124	64x124	64x134	80x124	54x134	64x134	80x130	
Height of folded ladder [cm]	K	41						39					
Swing space [cm]	R	156			167			194					
Distance after ladder unfolding [cm]	C	125			135			155					
Hatch board retraction after opening [cm]	P	4											
Box height [cm]		22											

TECHNICAL SPECIFICATION

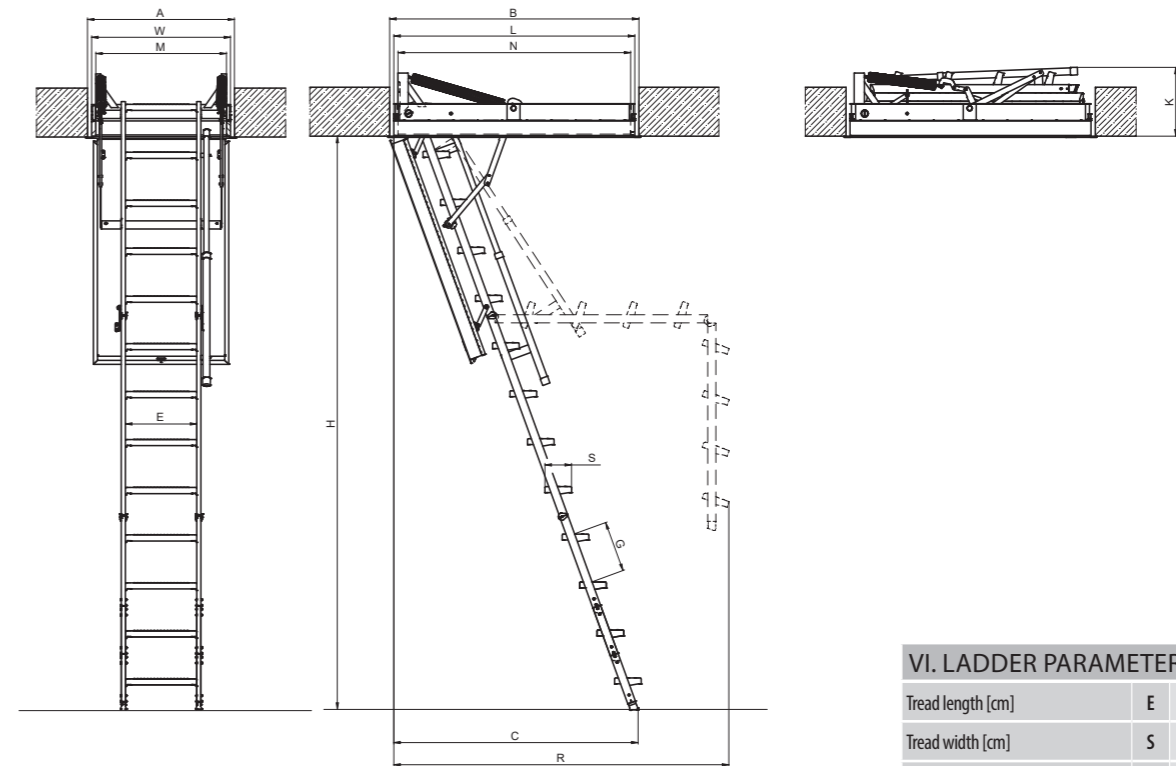
LMF FOLDING METAL SECTION FIRE-RESISTANT LOFT LADDER



LOFT LADDER TYPE	LMF
	 <p style="text-align: right;">Compliant with EN14975 Classification as per EN 13501-2</p>
I. APPLICATION	
Room height [cm]	280, 305
Installation	<ul style="list-style-type: none"> - fully assembled product - quick mounting system in the ceiling (installation brackets) - ready for quick installation in the ceiling
II. FEATURES	
Box	metal frame, pinewood box
Hatch	fire-resistant
Hatch colour	white
Lock	+
Unloading mechanism	+
Ladder	metal, powder-coated with hard wearing lacquer in grey RAL 9006
Seal	x3, seal increasing its volume under the influence of high temperature
Treads	metal, anti-slip
Handrail	telescopic with mechanism supporting folding and unfolding the ladder
Finishing trims	metal integrated with a steel framework
Stile ends	retractable
III. TECHNICAL PARAMETERS	
Hatch heat transfer coefficient U*	0.79 W/m ² K*
Thermal insulation thickness	8 cm
Hatch thickness	8.2 cm
Maximum loading	200 kg
Fire resistance	EI ₂ =120min
IV. OPTIONS	
Accessories	<ul style="list-style-type: none"> - handrail - box extension - upper hatch

* manufacturer's own data

V. DIAGRAM OF LMF LOFT LADDER



VI. LADDER PARAMETERS


Tread length [cm]	E	35
Tread width [cm]	S	13
Distance between treads [cm]	G	25

VII. PARAMETERS OF LMF LOFT LADDER

Ceiling opening dimensions [cm]	AxB	60x120	70x120	70x130	70x140	86x130	70x130	70x140	86x130
Room height [cm]	H	280				305			
Min. room height [cm]	H _{min}	233				256			
Box external dimensions [cm]		59x118	68x118	68x128	68x138	84x128	68x128	68x138	84x128
Box external dimensions with trims [cm]		64.7x123.7	73.7x123.7	73.7x133.7	73.7x143.7	89.7x133.7	73.7x133.7	73.7x143.7	89.7x133.7
Box internal dimensions [cm]		55x114	64x114	64x124	64x134	80x124	64x124	64x134	80x124
Height of folded ladder [cm]	K	34							
Swing space [cm]	R	167				178			
Distance after ladder unfolding [cm]	C	120				130			
Box height [cm]		16							

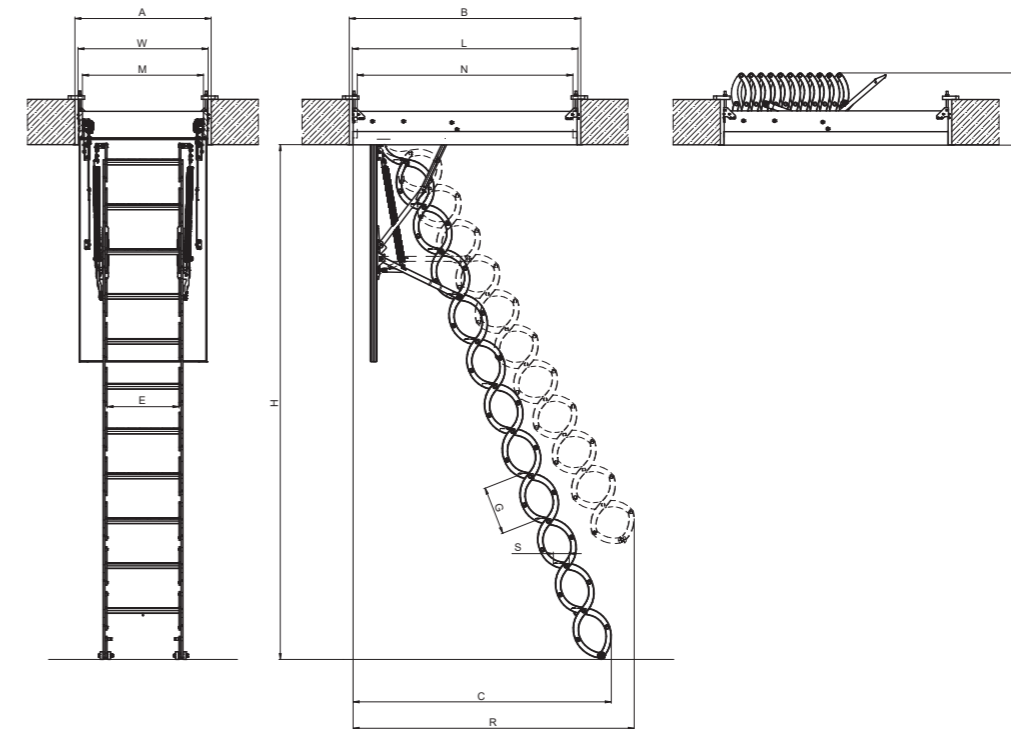
TECHNICAL SPECIFICATION

LST SCISSOR LOFT LADDER

LOFT LADDER TYPE	LST	
		Compliant with EN14975
I. APPLICATION		
Room height [cm]	250-280	
Installation	- fully assembled product - quick mounting system in the ceiling (installation brackets) - ready for quick installation in the ceiling	
II. FEATURES		
Box	pinewood	
Hatch	thermo-insulating	
Hatch colour	white	
Lock	-	
Unloading mechanism	+	
Ladder	metal, length of the ladder adjusted to the room height	
Seal	peripheral	
Treads	anti-slip, possibility to remove or add tread	
Handrail	-	
Finishing trims	metal	
Stile ends	-	
III. TECHNICAL PARAMETERS		
Hatch heat transfer coefficient U*	1.1 W/m ² K	
Thermal insulation thickness	3 cm	
Hatch thickness	3.6 cm	
Maximum loading	200 kg	
IV. OPTIONS		
Accessories	- handrail - box extension - upper hatch*	
Other	- extension of stairs to max. 330 cm by 2 LSS treads	

for 4-segment stairs use LXN box extension before upper hatch

V. DIAGRAM OF LST LOFT LADDER



VI. LADDER PARAMETERS

	LOFT LADDER LST			
	51x...	60x...	70x...	
Tread length [cm]	E	26	30	38
Tread width [cm]	S	8		
Distance between treads [cm]	G	24-26		
Standard number of treads [unit]	11			
LSS tread	LSS-26	LSS-31	LSS-38	

VII. PARAMETERS OF LST LOFT LADDER


	AxB	Ladder standard length				
		51x80	60x90	60x120	70x80	70x120
Ceiling opening dimensions [cm]	AxB	51x80	60x90	60x120	70x80	70x120
Room height [cm]	H	250-280				
Box external dimensions [cm]	WxL	51x79.4	59x89.4	59x119.4	69x79.4	69x119.4
Box external dimensions with trims [cm]		56x84.4	64x94.4	64x124.4	74x84.4	74x124.4
Box internal dimensions [cm]	MxN	46x74	54x84	54x114	64x74	64x114
Height of folded ladder [cm]	K	38.2				
Swing space [cm]	R	150				
Distance after ladder unfolding [cm]	C	146-134				
Box height [cm]		18				

Ladder shorter by 1 tread (10 treads)		Standard ladder (11 treads)		Ladder longer by 1 tread* (12 treads)		Ladder longer by 2 tread* (13 treads)	
230	250	250	280	280	300	300	330
Sizes of loft ladders and dimensions not included in the table are the same as for loft ladders with a height of 250 - 280 cm							
140		150		160		170	
135	127	146	134	153	145	163	150

* treads LSS-26, LSS-31, LSS-38.
When ordering treads it is necessary to provide the dimensions of the loft ladder aperture.

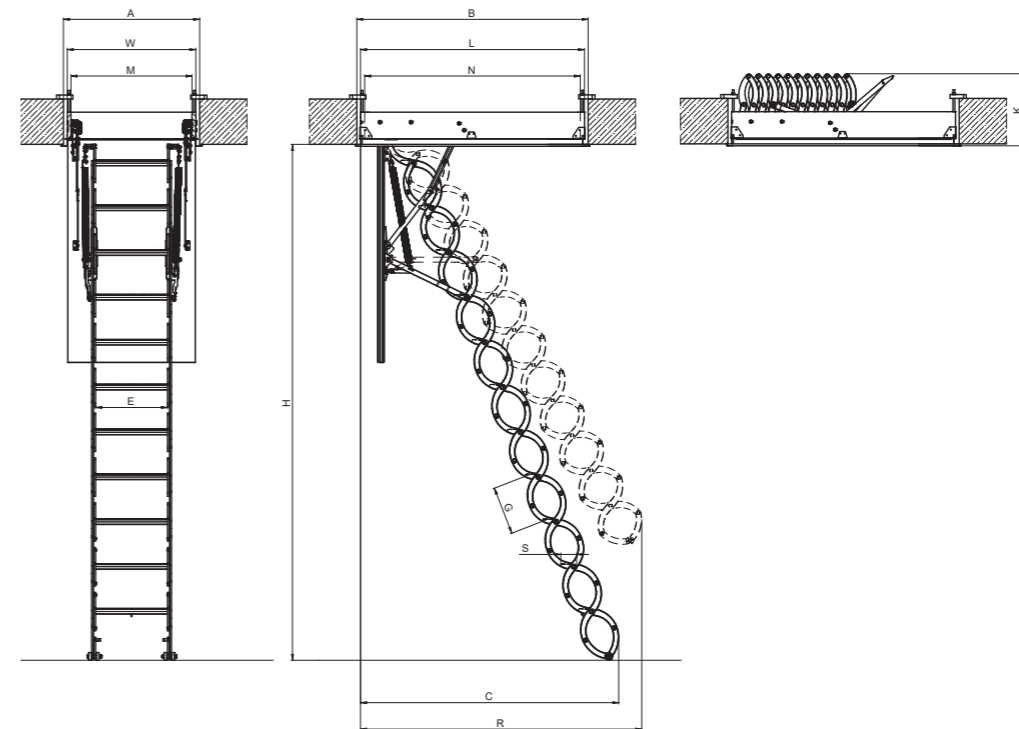
TECHNICAL SPECIFICATION

LSZ SCISSOR LOFT LADDER

LOFT LADDER TYPE	LSZ
	 <p style="text-align: right;">Compliant with EN14975</p>
I. APPLICATION	
Room height [cm]	250-280
Installation	<ul style="list-style-type: none"> - fully assembled product - quick mounting system in the ceiling (installation brackets) - ready for quick installation in the ceiling
II. FEATURES	
Box	metal frame, pinewood box
Hatch	thermo-insulating
Hatch colour	white
Lock	-
Unloading mechanism	-
Ladder	metal, length of the ladder adjusted to the room height
Seal	peripheral
Treads	anti-slip, possibility to remove or add tread
Handrail	-
Finishing trims	metal, integrated with steel framework
Stile ends	-
III. TECHNICAL PARAMETERS	
Stairs heat transfer coefficient U	1.1 W/m ² K
Thermal insulation thickness	3 cm
Hatch thickness	3.6 cm
Maximum loading	200 kg
IV. OPTIONS	
Accessories	<ul style="list-style-type: none"> - handrail - box extension - upper hatch*
Other	- extension of stairs to max. 330 cm by 2 LSS treads

* for 4-segment stairs use LXN box extension before upper hatch

V. DIAGRAM OF LSZ LOFT LADDER



VI. LADDER PARAMETERS

	LOFT LADDER LSZ	
	51x...	70x...
Tread length [cm]	E	26
Tread width [cm]	S	8
Distance between treads [cm]	G	24-26
Standard number of treads [unit]		11
LSS tread	LSS-26	LSS-38

VII. PARAMETERS OF LSZ LOFT LADDER

		Ladder standard length			Ladder shorter by 1 tread (10 treads)				Standard ladder (11 treads)				Ladder longer by 1 tread* (12 treads)				Ladder longer by 2 tread* (13 treads)						
		AxB	51x80	70x80	70x120	230	250	250	280	280	300	300	330	140	150	160	170	135	127	146	134	153	145
Ceiling opening dimensions [cm]	AxB	51x80	70x80	70x120																			
Room height [cm]	H	250-280																					
Box external dimensions [cm]	WxL	51x79.4	69x79.4	69x119.4																			
Box external dimensions with trims [cm]		54.6x82.6	72.6x82.6	72.6x122.6																			
Box internal dimensions [cm]	MxN	45.7x73.7	63.7x73.7	63.7x113.7																			
Height of folded ladder [cm]	K	38.2																					
Swing space [cm]	R	150																					
Distance after ladder unfolding [cm]	C	146-134																					
Box height [cm]		14																					


Sizes of loft ladders and dimensions not included in the table are the same as for loft ladders with a height of 250 - 280 cm

* treads LSS-26, LSS-31, LSS-38.
When ordering treads it is necessary to provide the dimensions of the loft ladder aperture.

TECHNICAL SPECIFICATION

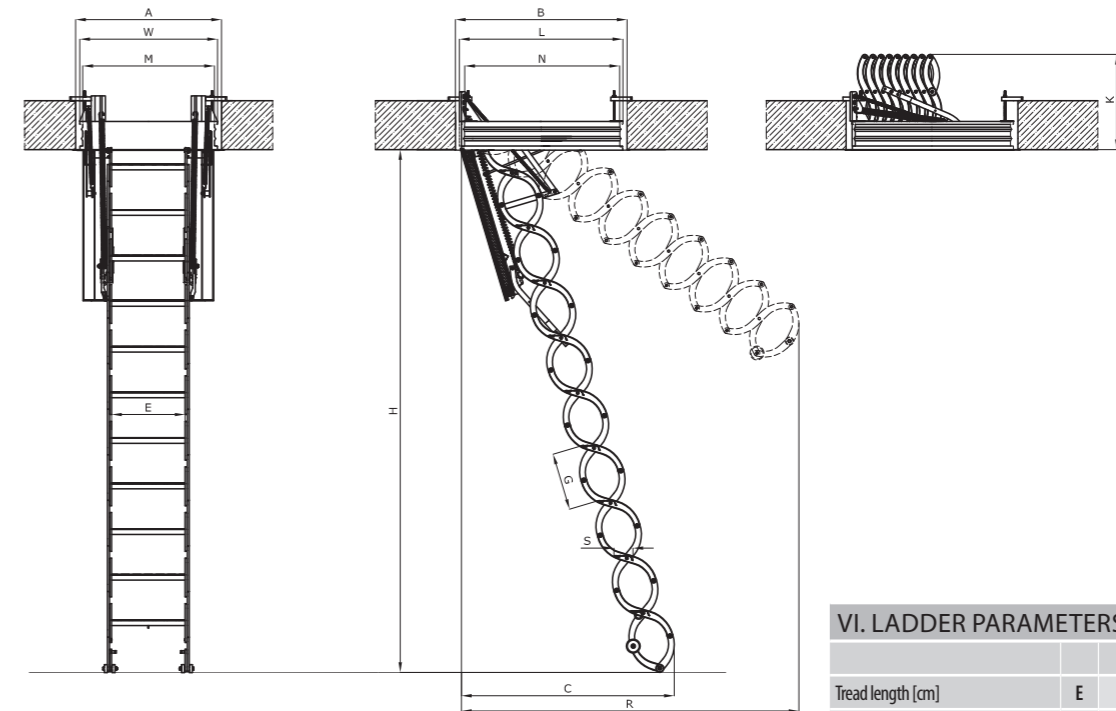
LSF SCHODY STRYCHOWE OGNIODPORNE NOŻYCOWE



LOFT LADDER TYPE	LSF
	 <p>Compliant with EN14975 Classification as per EN 13501-2</p>
I. APPLICATION	
Room height [cm]	270 - 300
Installation	- fully assembled product - quick mounting system in the ceiling (installation brackets) - ready for quick installation in the ceiling
II. FEATURES	
Box	metal
Hatch	fire-resistant
Hatch colour	white
Lock	+
Unloading mechanism	-
Ladder	metal, length of the ladder adjusted to the room height
Seal	seal increasing its volume under the influence of high temperature
Treads	anti-slip, possibility to remove or add tread
Handrail	-
Finishing trims	metal, integrated with steel framework
Stile ends	-
III. TECHNICAL PARAMETERS	
Hatch heat transfer coefficient U*	1.8 W/m ² K*
Thermal insulation thickness	3 cm
Hatch thickness	5.4 cm
Maximum loading	200 kg
Fire resistance	EI ₂ =60min
IV. OPTIONS	
Accessories	- handrail
Other	- extension of stairs to max. 330 cm by 2 LSS treads

* manufacturer's own data

V. DIAGRAM OF LSF LOFT LADDER



VI. LADDER PARAMETERS

		50x...	60x...	70x...
Tread length [cm]	E	30	32	40
Tread width [cm]	S		8	
Distance between treads [cm]	G		25-30	
Standard number of treads [unit]	Z		10	
LSS tread		LSS-30	LSS-32	LSS-40

VII. PARAMETERS OF LSF LOFT LADDER

Ceiling opening dimensions [cm]	AxB	50x70	60x90	60x120	70x80	70x90	70x110	70x120	Ladder shorter by 1 tread (9 treads)		Standard ladder (10 treads)		Ladder longer by 1 tread* (11 treads)	
									240	270	270	300	300	320
Room height [cm]	H	270-300												
Box external dimensions [cm]		48x68.5	58x88.5	58x118.5	68x78.5	68x88.5	68x108.5	68x118.5	Sizes of loft ladders and dimensions not included in the table are the same as for loft ladders with a height of 250 - 280 cm					
Box external dimensions with trims [cm]		54.8x75	64.8x95	64.8x125	74.8x85	74.8x95	74.8x115	74.8x125						
Box internal dimensions [cm]		44.8x64.8	54.8x84.8	54.8x114.8	64.8x74.8	64.8x84.8	64.8x104.8	64.8x114.8						
Height of folded ladder [cm]	K	46												
Swing space [cm]	R	170-180							165	165	170	180	185	210
Distance after ladder unfolding [cm]	C	165-130							100	140	165	130	120	140
Box height [cm]		14												

* treads LSS-26, LSS-31, LSS-38.
When ordering treads it is necessary to provide the dimensions of the loft ladder aperture.