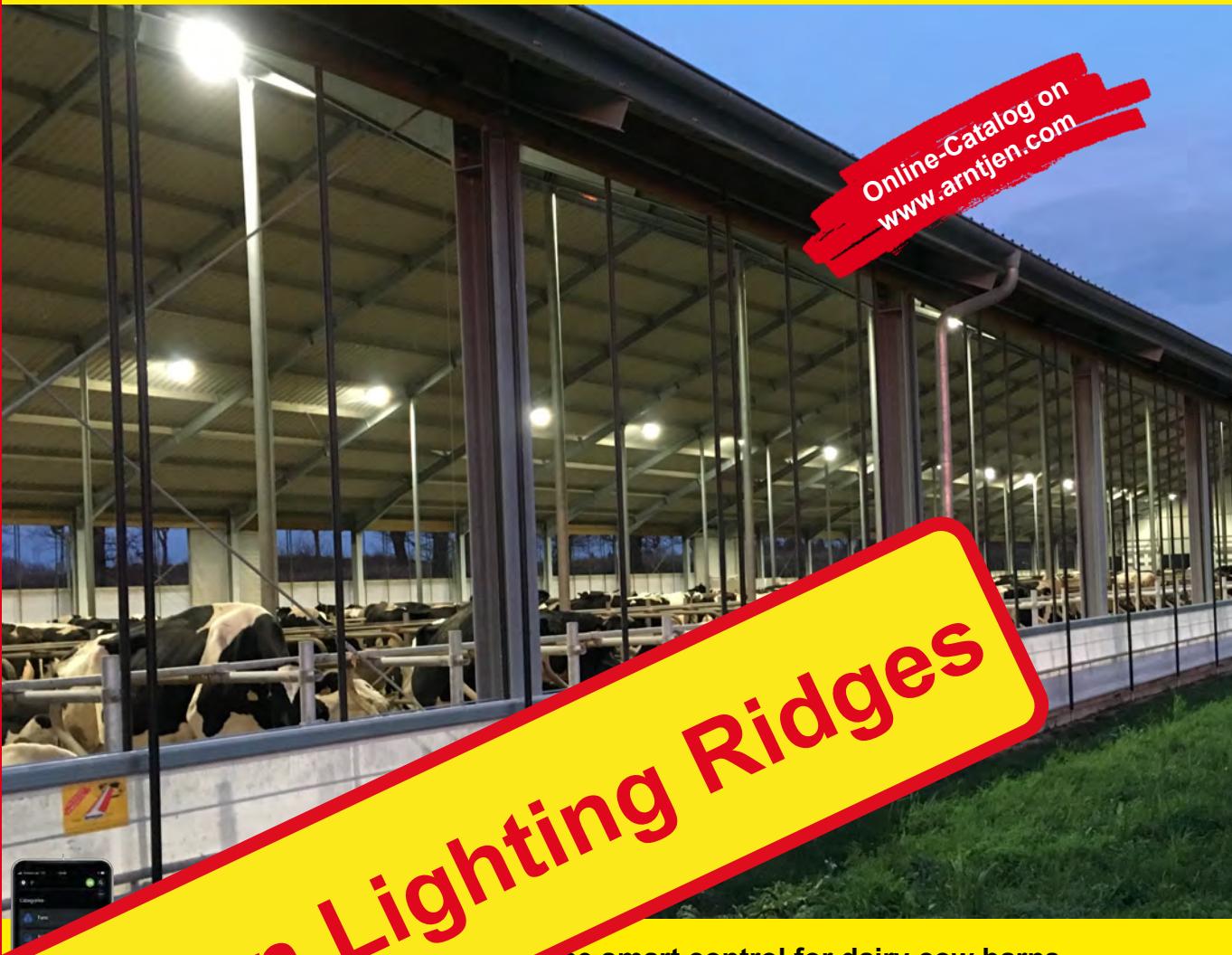


Engl.

Arntjen® Germany

Arntjen assortment



Arntjen Lighting Ridges

the smart control for dairy cow barns -
with weather systems, e.g. temperature, rain, wind, humidity,
control of curtains, fans, lighting and much more.

NEW!

Wool technology
in cooperation with farmers around the globe!



Arntjen Curtain-Systems



Arntjen Doors



Arntjen Lighting Ridges

NEW!

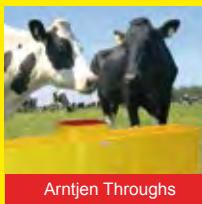
Arntjen-LED-LIGHT



Oversized Fans 7m



Comfort Beds



Arntjen Throughs



Calf Hutches



Arntjen Stabling



Slurry Mixers



Scraper Systems



Arntjen Germany

GmbH

D-26180 Rastede

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info@arntjen.com

www.arntjen.com

**The new world
in dairy farming**



Arntjen Germany

GmbH

D-26180 Rastede

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Fax: +49 (0) 4402 - 9240 - 92

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Internet: www.arntjen.com



Curtain: opens from top to bottom



ISO Lift-Windows



Curtain Dual: opens top/bottom, shadow effect



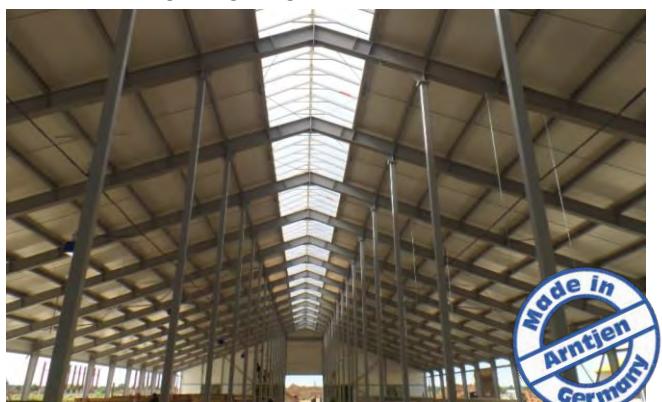
Fold up Door



Ventilation/lighting ridge



Ridge with Air flaps



ISO-Lighting ridge M4 (DBGM) Type Germany



Parlour Fan

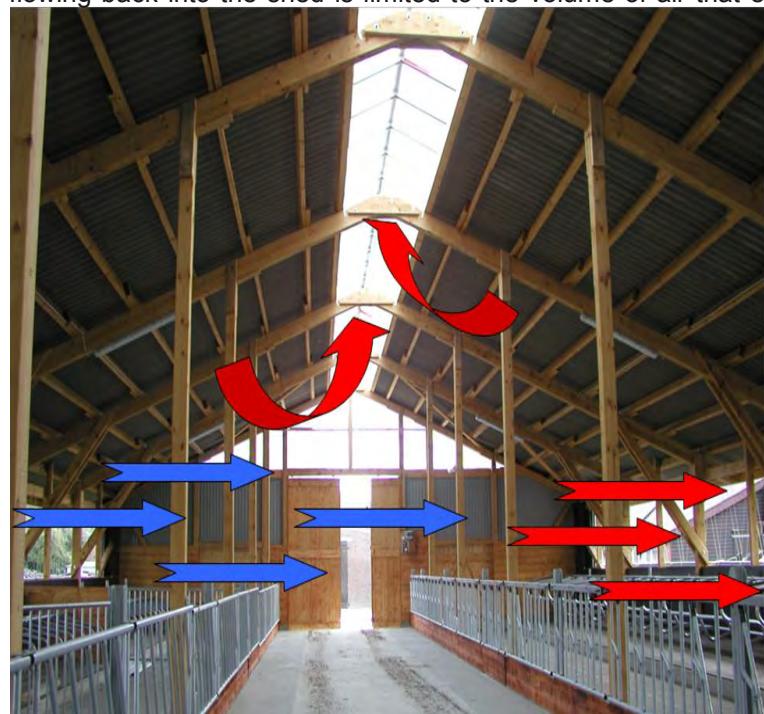
Arntjen ISO Lighting / Ventilation Ridges

Light and ventilation – a twofold gain!

Ventilation and exhaust systems for cubicle barns

The extraction of exhausted air is just as important as the supply of fresh air. This is because the volume of air flowing back into the shed is limited to the volume of air that exited the shed previously. An efficient venting system ensures that water vapor and, thereby, germs, ammonium, CO₂ and other harmful gases are extracted continuously from the shed.

Only a shed that is virtually free of harmful gases will allow a cow to perform at its best. During the summer months, cross ventilation forces the bulk of the consumed air to escape from the open curtains on the shed side averted from the wind. The heated air collecting above the eave line, i.e. in the triangles of the roof pitches, is supposed to escape or be extracted through the ridge.



When the curtains are kept closed in the fall, winter and spring, the largest portion of the air is extracted through the ridge.

The right size of the opening is calculated as 0.15 sqm per cow. However, another decisive factor is the shape of the opening.



Arntjen ISO lighting/ventilation ridge on top of a milking parlor



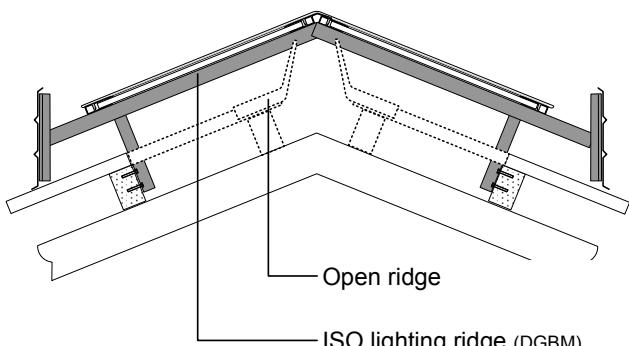
Arntjen ISO lighting/ventilation ridge on top of a shed in the USA

components

Arntjen ISO Lighting Ridge M4 type Germany/ Simplex



- Outstanding air extraction
- No driving rain in the shed
- Ideal light source for the building
- Improved comfort for the animals
- Significant energy savings thanks to lower lighting costs
- Air exit up to 72 cm (type LA80)
- High wind deflectors
- Light inlet 100 – 350 cm
- Light dispersion thanks to opal light panel
- High-quality aluminum profiles
- Stainless steel screw connections



How much does an open ridge cost? How much is a lighting/ventilation ridge?

Example: Open ridge €120 to €150 per meter length.

ISO lighting ridge from approx. €120 per meter length

As you can see, an ISO lighting/ventilation ridge does not cost anything extra!

Other benefits:

- Reliable exhaust air extraction
- more day light
- dry shed

In areas with heavy snow loads, large snow accumulations must be cleared off the ridge as they will otherwise represent an unresolvable variable in the calculation of the snow, snow-water or snow-ice loads pushing on the wind deflectors and result in damage. We offer a line of reinforcing accessories that supplement our ISO lighting ridge to provide for increased stability in these areas. If you are dealing with extensive snow loads, we will be happy to prepare a quote for you!

description

ord-
No.

ISO Lighting Ridge M4 (DBGM)

type Germany / Simplex

stable aluminum substructures with a section distance of 105.7 cm and
Double H-profile, single-part
including aluminum "Z-Form" wind guide plate
including ISO light panel 10 mm with UV protection
Color: "Opal" (white/ transparent), Clear (transparent) on request, including special stainless steel bolts
without brush strip
Smallest structural element 1.057 meters!



Purlin spacing Type

100 cm	LA 40	s0406
125 cm	LA 40	s0407
150 cm	LA 40	s0408
175 cm	LA 40	s0409
200 cm	LA 40	s0410
225 cm	LA 40	s0411
250 cm	LA 40	s0412
275 cm	LA 40	s0910
300 cm	LA 40	s0911
325 cm	LA 40	s0912
350 cm	LA 40	s0913

100 cm	LA 60	s0413
125 cm	LA 60	s0414
150 cm	LA 60	s0415
175 cm	LA 60	s0416
200 cm	LA 60	s0417
225 cm	LA 60	s0418
250 cm	LA 60	s0419
275 cm	LA 60	s0916
300 cm	LA 60	s0917
325 cm	LA 60	s0918
350 cm	LA 60	s0919

100 cm	LA 80	s0922
125 cm	LA 80	s0923
150 cm	LA 80	s0924
175 cm	LA 80	s0925
200 cm	LA 80	s0926
225 cm	LA 80	s0927
250 cm	LA 80	s0928
275 cm	LA 80	s0929
300 cm	LA 80	s0930
325 cm	LA 80	s0931
350 cm	LA 80	s0932

Brush strip 80 mm per meter ridge	s0357
--	-------

Adjusts to the roof membrane and keeps off wind and snow.

Including aluminum rail and drilling screws

Gable cladding see sheet 4, ventilation flap see sheet 8

Important for this ridge:

- prices are valid for roof slopes between 20-24°
- roof material "W5" installation direct on purlins
- prices for other roof slopes, higher roof structures, different roof constructions, and higher or different roof materials (tiled roofs, insulated roof panels), etc.: see ISO Lighting Ridge M4 type Germany/Vari-Tec

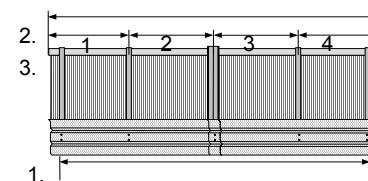
Please request a quote.

Length of ridge: The length of the ridge to order is calculated by the opening length plus the desired overlapping at the ends. This length must be rounded up to a length that is divisible by the structural elements.

1. Opening length

2. Ridge length

3. Elements



components	description	ord-No.
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Arntjen ISO-Lighting ridge M4 Type Germany/Vari-Tec



Ridge profile, 2-part



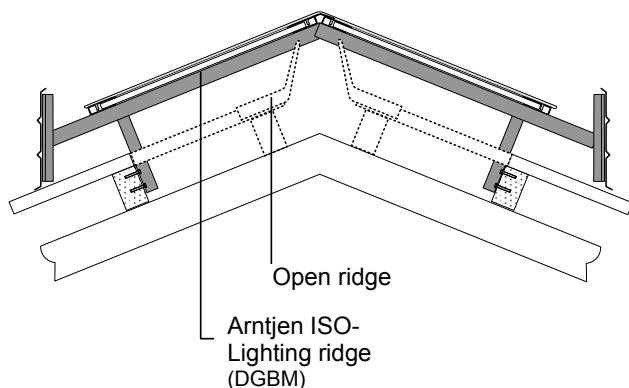
brush strip



- air exit up to 80 cm
- ridge top with optional 8 cm opening

For easier installation:

- ridge top profile, 2-part
- wind deflector across 2 panels
- brush strip installation with drilling screws



What does an open ridge cost? What does a lighting ridge cost?

Example: Open ridge €120 to €150 per meter length.

ISO lighting ridge from approx. €120 per meter length

You see an ISO lighting ridge is not more expensive!!

More benefits:

- Reliable exhaust air extraction
- more day light
- dry shed

In “snowy regions” the ridge has to disburdened from big snow masses, otherwise a not calculable snow-, snow-water- or snow-ice burden presses on the wind-deflector and could result in damages. To get a higher rigidity in these regions you will find tightening material in our ISO-lighting ridge accessories

ISO-Lighting Ridge M4 (DGBM)

Type Germany/Vari-Tec

stable aluminum substructures with a section distance of 105.7 cm and

Ridge top profile, 2-part

including aluminum "Z-Form" wind guide plate

including ISO light panel 10 mm with UV protection

Color: "Opal" (white/ transparent)

including special stainless steel bolts

with optional ridge top opening

without brush strip

Smallest structural element 1.057 meters!

Please clarify statics before ordering.



Purlin distance	Type	
100 cm	LA 40	s0367
125 cm	LA 40	s0368
150 cm	LA 40	s0291
175 cm	LA 40	s0292
200 cm	LA 40	s0293
225 cm	LA 40	s0294
250 cm	LA 40	s0295
275 cm	LA 40	s0296
300 cm	LA 40	s0297
325 cm	LA 40	s0298
350 cm	LA 40	s0299
100 cm	LA 60	s0369
125 cm	LA 60	s0370
150 cm	LA 60	s0302
175 cm	LA 60	s0303
200 cm	LA 60	s0304
225 cm	LA 60	s0305
250 cm	LA 60	s0306
275 cm	LA 60	s0307
300 cm	LA 60	s0308
325 cm	LA 60	s0309
350 cm	LA 60	s0310
100 cm	LA 80	s0371
125 cm	LA 80	s0372
150 cm	LA 80	s0313
175 cm	LA 80	s0314
200 cm	LA 80	s0315
225 cm	LA 80	s0316
250 cm	LA 80	s0317
275 cm	LA 80	s0318
300 cm	LA 80	s0319
325 cm	LA 80	s0320
350 cm	LA 80	s0321
Brush strip 80 mm	per meter ridge	s0357
Adjusts to the roof membrane and keeps off wind and snow.		
Including aluminum rail and drilling screws		

Gable cladding see sheet 4, ventilation flap see sheet 8

The prices apply to a purlin spacing of

100 - 250 cm for roof pitches of 15-29°

275 - 350 cm for roof pitches of 20-24°

- roof material "W5" installation direct on purlins

- prices for other roof slopes, higher roof structures, different roof constructions, and higher or different roof materials (tiled roofs, insulated roof panels) as well as ridges with ventilation flaps, etc. available on request.

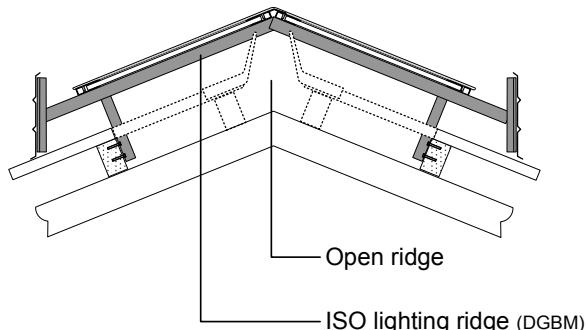
Length of ridge: The length of the ridge to order is calculated by the opening length plus the desired overlapping at the ends. This length must be rounded up to a length that is divisible by the structural elements.

components	description	ord-No.
------------	-------------	---------

Arntjen ISO Lighting Ridge M4 Type Germany/Vari-Tec



- air exit up to 80 cm
- For easier installation:
- wind deflector across 2 panels
- brush strip installation with drilling screws



How much does an open ridge cost? How much is a lighting/ventilation ridge?

Example: Open ridge €120 to €150 per meter length.

ISO lighting ridge from approx. €120 per meter length

As you can see, an ISO lighting/ventilation ridge does not cost anything extra!

Other benefits:

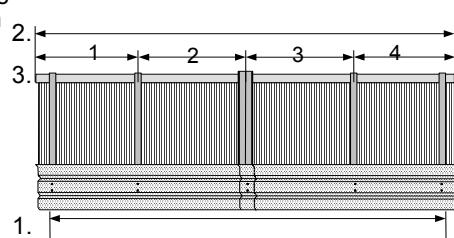
- Reliable exhaust air extraction
- more day light
- dry shed

In areas with heavy snow loads, large snow accumulations must be cleared off the ridge as they will otherwise represent an unresolvable variable in the calculation of the snow, snow-water or snow-ice loads pushing on the wind deflectors and result in damage. We offer a line of reinforcing accessories that supplement our ISO lighting ridge to provide for increased stability in these areas.

1. Opening length

2. Ridge length

3. Elements



dimensions and technical data without obligation.

Prices in **€uro** plus taxes, EXW issued: 01.09.22

1. Curtains	2. Doors	3. Ridges/Lights	4. Fans	5. Beddings	6. Waterers	7. Cow brush	8. Calf hutch	9. Barn equipment	10. Slurry mixers	11. Pumps / scrapers	12. Special products
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ISO Lighting Ridge M4

type Germany/Vari-Tec

with 16 mm light panel

stable aluminum substructures with a section distance of 105.7 cm and Ridge top profile, 2-part

including aluminum "Z-Form" wind guide plate

including ISO light panel 16 mm with UV protection

Color: Clear (transparent)

including special stainless steel bolts without brush strip

Smallest structural element 1.057 meters!

Please clarify statics before ordering.



Purlin spacing Type

100 cm	LA 40	s0456
125 cm	LA 40	s0457
150 cm	LA 40	s0458
175 cm	LA 40	s0459
200 cm	LA 40	s0460
225 cm	LA 40	s0461
250 cm	LA 40	s0462
275 cm	LA 40	s0463
300 cm	LA 40	s0464
325 cm	LA 40	s0465
350 cm	LA 40	s0466
100 cm	LA 60	s0469
125 cm	LA 60	s0470
150 cm	LA 60	s0471
175 cm	LA 60	s0472
200 cm	LA 60	s0473
225 cm	LA 60	s0474
250 cm	LA 60	s0475
275 cm	LA 60	s0476
300 cm	LA 60	s0477
325 cm	LA 60	s0478
350 cm	LA 60	s0479
100 cm	LA 80	s0482
125 cm	LA 80	s0483
150 cm	LA 80	s0484
175 cm	LA 80	s0485
200 cm	LA 80	s0486
225 cm	LA 80	s0487
250 cm	LA 80	s0488
275 cm	LA 80	s0489
300 cm	LA 80	s0490
325 cm	LA 80	s0491
350 cm	LA 80	s0492

Brush strip 80 mm per meter ridge	s0357
Adjusts to the roof membrane and keeps off wind and snow.	
Including aluminum rail and drilling screws	

Gable cladding see sheet 4 , ventilation flaps see sheet 8

The prices apply to a purlin spacing of 100 - 250 cm for roof pitches of 15-29°

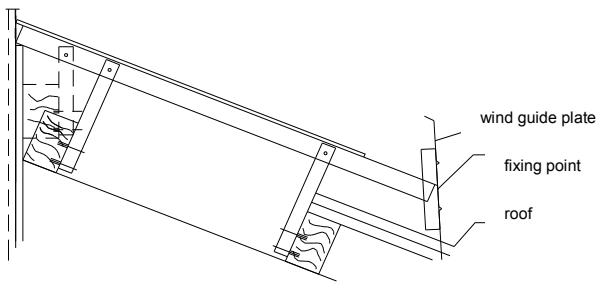
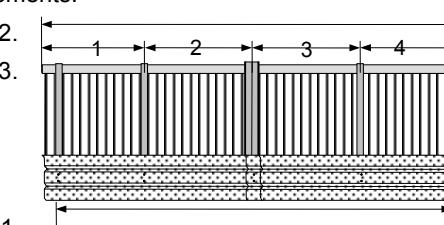
275 - 350 cm for roof pitches of 20-24°

- roof material "W5" installation direct on purlins

- prices for other roof slopes, higher roof structures, different roof constructions, and higher or different roof materials (tiled roofs, insulated roof panels) as well as ridges with ventilation flaps, etc. available on request.

Length of ridge: The length of the ridge to order is calculated by the opening length plus the desired overlap at the ends. This length must be rounded up to a length that is divisible by the structural elements.

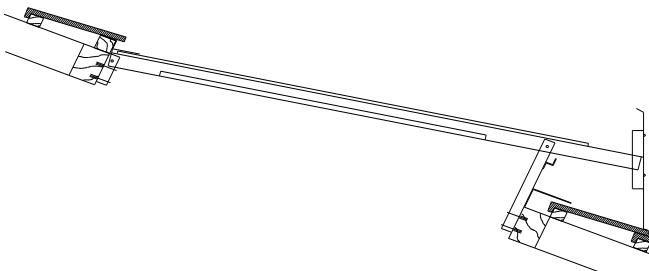
components	description	ord-No.
	ISO-lighting ridge accessories:	
	additional price for wind guide plates in different colours (grey, brown, red):	
	for LA 40 per m ridge	06147
	for LA 60 per m ridge	06148
	for LA 80 per m ridge	06149
	supports "Z-Form"	
	for extended roof price per piece	00423
	gable cover, Alu (4 plates with screws for 2 gables)	
	width 100-200 air exit LA40 per set	s0397
	width 225-300 air exit LA40 per set	s0398
	width 325-400 air exit LA40 per set	s0399
	width 100-200 air exit LA60 per set	s0400
	width 225-300 air exit LA60 per set	s0401
	width 325-400 air exit LA60 per set	s0402
	width 100-200 air exit LA80 per set	s0403
	width 225-300 air exit LA80 per set	s0404
	width 325-400 air exit LA80 per set	s0405
	gable cover, colored anthracite / brown / red (4 plates with screws for 2 gables)	
	width 100-200 air exit LA40 per set	s0495
	width 225-300 air exit LA40 per set	s0496
	width 325-400 air exit LA40 per set	s0497
	width 100-200 air exit LA60 per set	s0498
	width 225-300 air exit LA60 per set	s0499
	width 325-400 air exit LA60 per set	s4002
	width 100-200 air exit LA80 per set	s4003
	width 225-300 air exit LA80 per set	s4004
	width 325-400 air exit LA80 per set	s4005
	installation tools for ridges without flaps	03382
	installation tools for ridges with flaps	03383
	air flaps on page 8	

components	description	ord- No.																		
	<p>Semi ISO Lighting Ridge M4 (DBGM) Type Germany/Vari-Tec stable aluminum substructures with a section distance of 105.7cm including "Z-Form" wind guide aluminum plate including ISO light panel 10 mm with UV protection Color: "Opal" (white/ transparent), clear (transparent) on request including special stainless steel bolts without brush strip Smallest structural element 1.057 meters!</p> <table> <tr> <td>width</td> <td>LA 18</td> <td></td> </tr> <tr> <td>100 cm</td> <td></td> <td></td> </tr> <tr> <td>125 cm</td> <td></td> <td></td> </tr> <tr> <td>150 cm</td> <td></td> <td></td> </tr> <tr> <td>175 cm</td> <td></td> <td></td> </tr> <tr> <td>200 cm</td> <td></td> <td></td> </tr> </table> <p>Brush strip 80 mm per meter ridge Adjusts to the roof membrane and keeps off wind and snow. Including aluminum rail and drilling screws</p>	width	LA 18		100 cm			125 cm			150 cm			175 cm			200 cm			
width	LA 18																			
100 cm																				
125 cm																				
150 cm																				
175 cm																				
200 cm																				
	<p>Type Germany/Vari-Tec with 16 mm light panel stable aluminum substructures with a section distance of 105.7 cm including aluminum "Z-Form" wind guide plate including ISO light panel 16 mm with UV protection, color: clear (transparent) including special stainless steel bolts without brush strip Smallest structural element 1.057 meters!</p> <table> <tr> <td>width</td> <td>LA 18</td> <td></td> </tr> <tr> <td>100 cm</td> <td></td> <td></td> </tr> <tr> <td>125 cm</td> <td></td> <td></td> </tr> <tr> <td>150 cm</td> <td></td> <td></td> </tr> <tr> <td>175 cm</td> <td></td> <td></td> </tr> <tr> <td>200 cm</td> <td></td> <td></td> </tr> </table> <p>Brush strip 80 mm per meter ridge</p>	width	LA 18		100 cm			125 cm			150 cm			175 cm			200 cm			
width	LA 18																			
100 cm																				
125 cm																				
150 cm																				
175 cm																				
200 cm																				
	<p>important for our complete ridge programme: - prices are valid for roof slopes between 15-29° - roof material "W5" installation direct on purlins - prices for other roof slopes, different roof constructions and roof materials on request</p>																			
<p>In "snowy regions" the ridge has to be disburdened from big snow masses, otherwise a not calculable snow-, snow-water- or snow-ice burden presses on the wind-deflector and could result in damages. To get a higher rigidity in these regions you will find tightening material in our ISO-lighting ridge accessories</p>	<p>Length of ridge: The length of the ridge to order is calculated by the opening length plus the overlapping at the ends. This length is to adjust upward to whole elements.</p> <p>1. Opening length 2. Ridge length 3. Elements</p> 																			

components

description

ord-
No.



"Single-side" ISO – Lighting ridge M4 type
Germany/Vari-Tec

Single-sided ISO Lighting

Ridge M4 (DBGM) type

Germany/Vari-Tec

stable aluminum substructures with a section distance of 105.7cm
including "Z-Form" wind guide aluminum plate
including ISO light panel 10 mm with UV protection
Color: "Opal" (white/ transparent), clear (transparent) on request
including special stainless steel bolts without brush strip
Smallest structural element 1.057 meters!

width LA 18

100 cm

125 cm

150 cm

175 cm

200 cm

Brush strip 80 mm per meter ridge
Adjusts to the roof membrane and keeps off wind and snow.
Including aluminum rail and drilling screws

Type Germany/Vari-Tec with

16 mm light panel

stable aluminum substructures with a section distance of 105.7 cm
including aluminum "Z-Form" wind guide plate
including ISO light panel 16 mm with UV protection, color: clear (transparent)
including special stainless steel bolts without brush strip
Smallest structural element 1.057 meters!

width LA 18

100 cm

125 cm

150 cm

175 cm

200 cm

Brush strip 80 mm per meter ridge

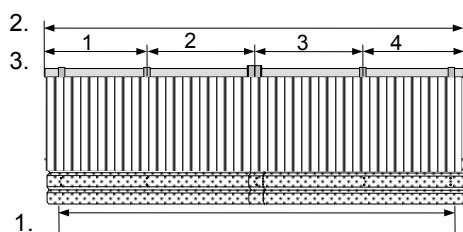
important for our complete ridge programme:

- prices are valid for roof slopes between 15-29°
- roof material "W5" installation direct on purlins
- prices for other roof slopes, different roof constructions and roof materials on request

Length of ridge:

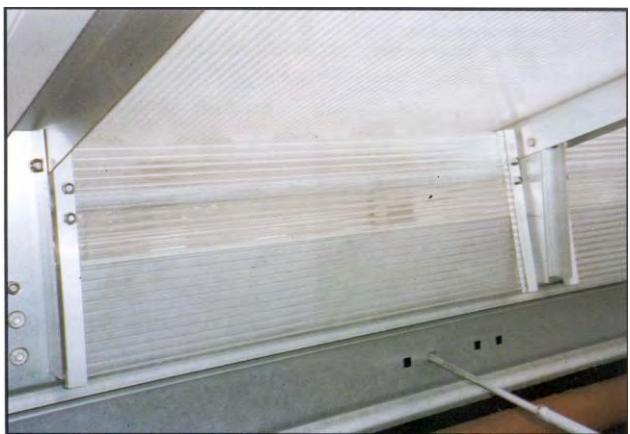
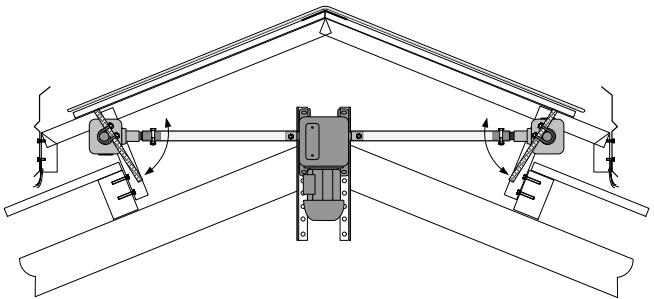
The length of the ridge to order is calculated by the opening length plus the overlapping at the ends. This length is to adjust upward to whole elements.

1. Opening length
2. Ridge length
3. Elements



In "snowy regions" the ridge has to be disburdened from big snow masses, otherwise a not calculable snow-, snow-water- or snow-ice burden presses on the wind-deflector and could result in damages. To get a higher rigidity in these regions you will find tightening material in our ISO-lighting ridge accessories

components	description	ord- No.
	ISO-Lighting ridge accessories for type: Half and One side: additional price for wind guide plates in different colours (grey, brown, red): LA 40 for LA 18 per m ridge	
	gable cover, Alu (2 plates with screws for 2 gables) width 100-200 air exit LA 40 for LA 18 per set	
	installation tools for ridges without flaps 03382 installation tools for ridges with flaps 03383	
	air flaps on page 8	

components	description	ord-No.
	ISO-lighting ridge accessories: air flaps type L2 for 2 sides	
	LA 40 per m ridge s0360	
	LA 60 per m ridge s0361	
	LA 80 per m ridge s0362	
	for 1 side	
	LA 18 per m ridge	
	Open-close-equipment for one side per set <u>recommended installation locations:</u> end of flap tube – up to 20 m middle of flap tube – up to 40 m	s0084
	Open-close-equipment with power drive for 2 sides: (without electrical work)	
	Power-drive 230 V 50 Hz with 2 deflection gear units, connection parts and fastener material	s0262
	Main switch in ISO housing lockable repair switch 4-pin, 16 amperes 1 unit per system or building	s5381
	Open/close switch 230V single phase	S5832
	Open-close-equipment with power drive for 1 side: (without electrical work)	
	Power-drive 230 V 50 Hz with 1 deflection gear unit, connection parts and fastener material	s0263
	Main switch in ISO housing lockable repair switch 4-pin, 16 amperes 1 unit per system or building	s5381
	Open/close switch 230V single phase	S5832
	Bird protection grid for ventilation flaps galvanized, mesh width 19 x 19 mm	
	LA40 per meter ridge s4006	
	LA60 per meter ridge s4007	
	LA80 per meter ridge s4008	
	Installation tools for ridge with flaps	03383
	Different possibilities of climate-control on request.	