

LAMILUX Rooflight F100 circular

Assembly instruction

General comments

The content of this assembly instruction manual has been established to the best of our knowledge. All notes, technical and visual information reflect the current state of technology and are based on our experiences.

Legal claims cannot be derived from the content of this installation manual. LAMILUX reserves the right to change technical specifications.

Every work has to be done in accordance with the current state of technology, the regulations and guidelines of authorities, trade associations, accident prevention regulations and professional associations of the Federal Republic of Germany, the European Union and the country of destination. As far as standards, technical regulations or guidelines (e.g. EN or equal standards) exist, the work has to be done in compliance with those directives.

Revision index:

This version replaces previous editions completely.



The assembly instruction manual must be read before installation
Particularly the safety and operating instructions



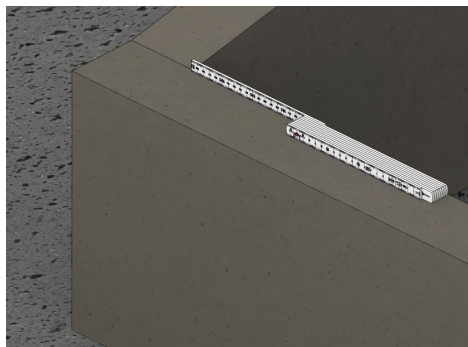
Polycarbonate rooflights are not walkable - RISK OF BREAKING THROUGH



Always use fall arrest equipment and follow national regulations for fall-through protection



Check all materials are complete on delivery



Check and prepare for installation

In general, the building tolerances apply which can be given on request

Contents



transport assembly	5
structural attachment	6 – 7
removal of transport protection	8
rigid locked - inside	9
ventilated locked - solo	10 – 11
ventilated locked - tandem	12 – 13
24V/230V drive solo "type JM-DC"	14 – 15
24V/230V drive tandem "type JM-DC"	16 – 17
230V drive "type SP8"	18 – 19
wiring diagrams of electric drives	20

Transport | Assembly

Rooflights of the F100 series will be delivered already completely pre-assembled onto its GRP upstand. The rooflights will be therefore packed on a wooden crate. The bottom of the wooden crate is designed with square timbers and can be transported with a forklift truck. Lifting up the skylights to the roof should be done including the wooden crate. For safety reasons, the skylights should be kept inside the wooden crate for as long as possible. Do NOT lift up the rooflights on the frame (risk of breakage). Rooflights can be carefully lifted from the bottom flange to carry it to the roof opening.



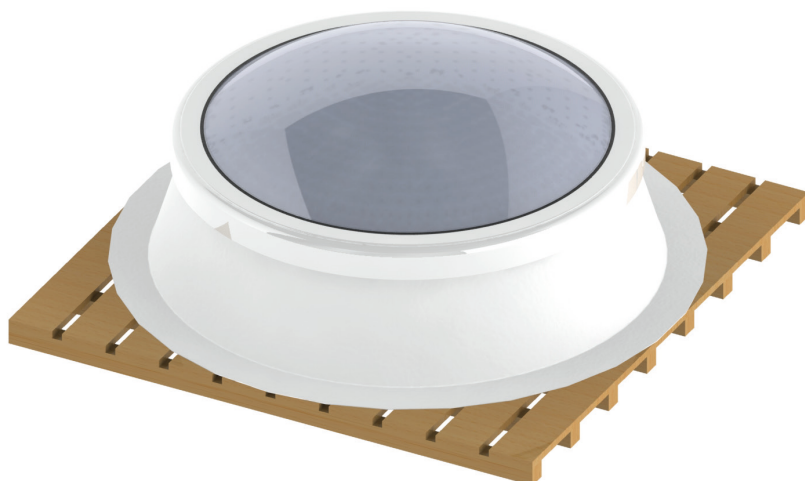
ATTENTION

Place the rooflight on wooden beams ensuring the element can aerate.

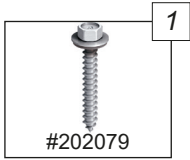
Risk of deformation



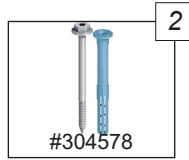
Avoid overheating!



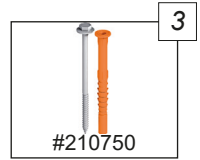
Structural attachment



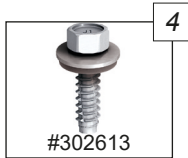
Wood screw
JA3-6,5x50-E16/2



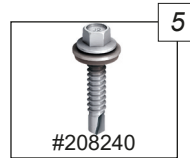
Screw-in wall plug
SDF-KB-10Vx50-V



Screw-in wall plug
SDP-KB-10Gx80-V



Sealing screw
JA3-6,5x32-E16/2



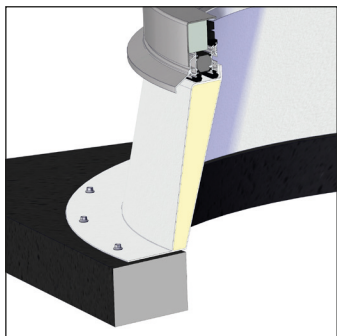
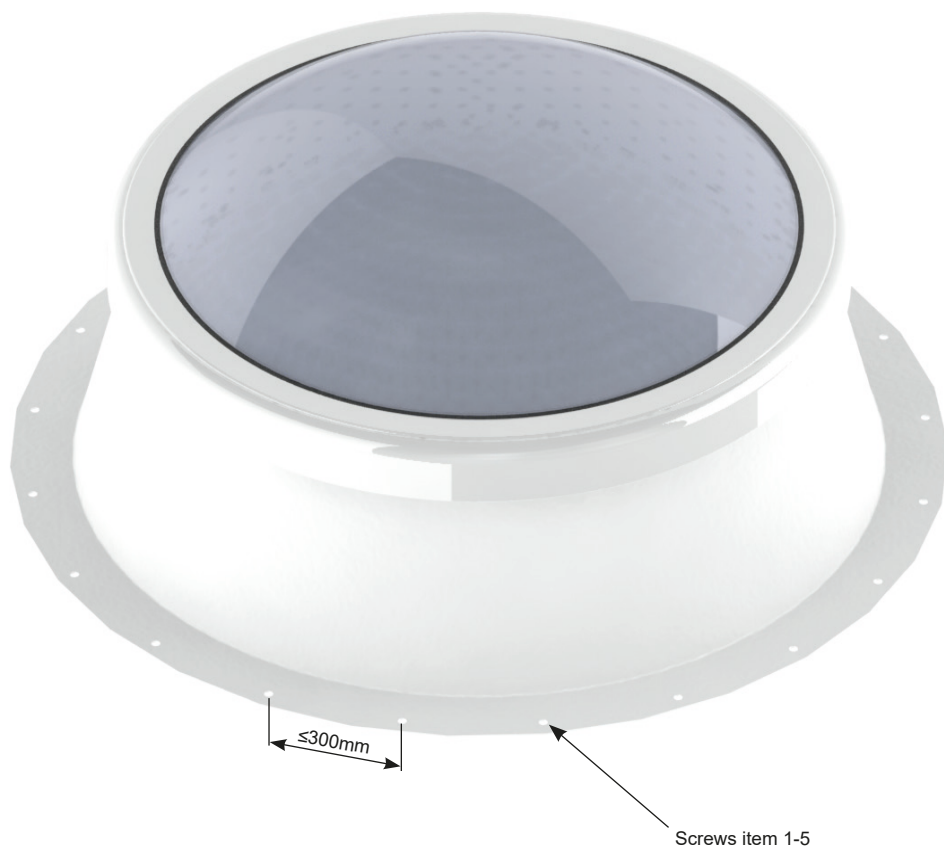
Drilling screw
JT3-6-5,5x30 E16/2

Substructure	Item number	Drill hole in upstand
Wood	1	Ø 7mm
Reinforced concrete	2	Ø 10,5mm
Aerated concrete	3	Ø 10,5mm
Steel 0,63 - 1,5mm	4	Ø 7mm
Steel 1,5 - 3mm	5	Ø 6mm



Fixings are not included in scope of delivery. Please contact our sales office if you wish to add these to your order. Equivalent screws and plugs with technical approval can be procured from most DIY stores or your local builders merchants and can also be used

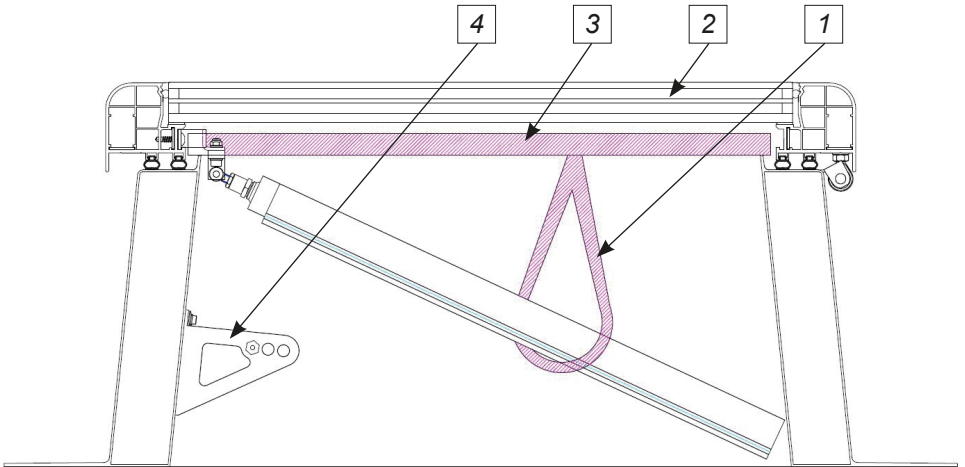
Starting at one point, evenly space your fixings at 300mm centres.
Please refer to fixing details table (page 6) depending on substructure.



Please note!
Waterproofing is to be carried out by an approved roofer after installation.

Removal of transport protection

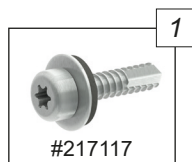
1. Cut the cable connector
2. Raise the upper part
3. Remove the wood truss
4. Hinge the driver in the motor console (see assembly instruction below)



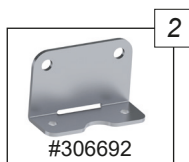
Glass fixing option A Rigid locked - inside

In the event of upstand and upper part being separated

Components:



drilling screw
JT3-FR-6 5,5x35

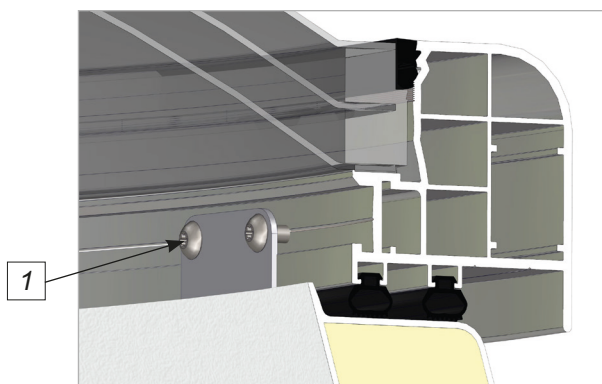
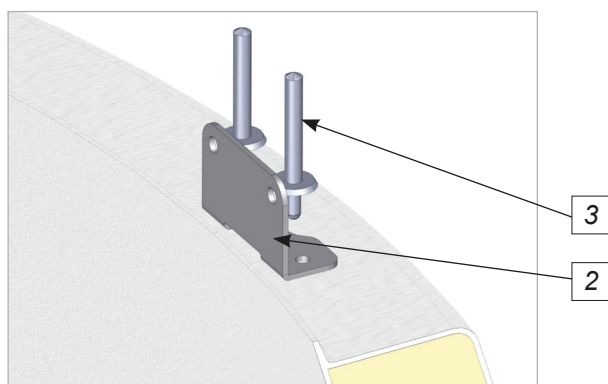


locking sheet



blind rivet Ø4,8x16

Assembly:

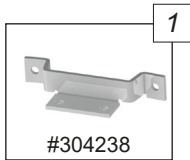


Glass fixing option B

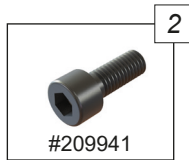
Ventilated locked - solo

In the event of upstand and upper part being separated

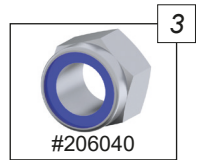
Components:



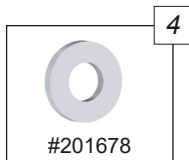
#304238
wing bent bracket



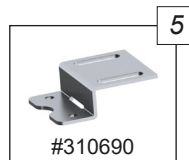
#209941
cylinder head screw
M6x16



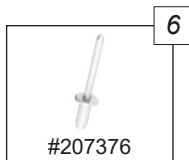
#206040
nut M6



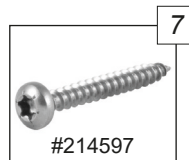
#201678
washer Ø6,4



#310690
locking sheet
OKD 60-150

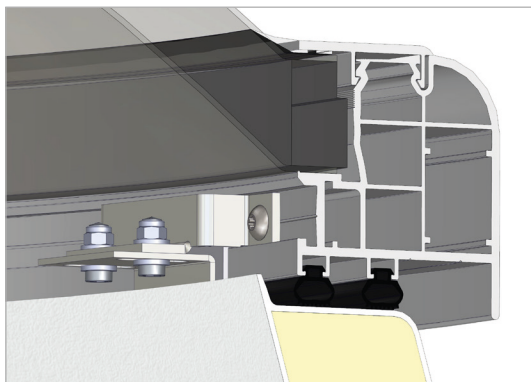
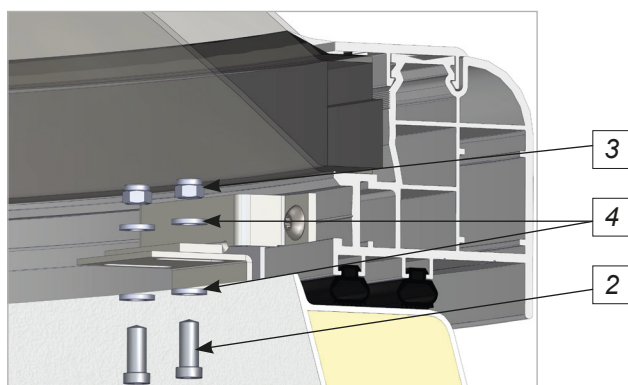
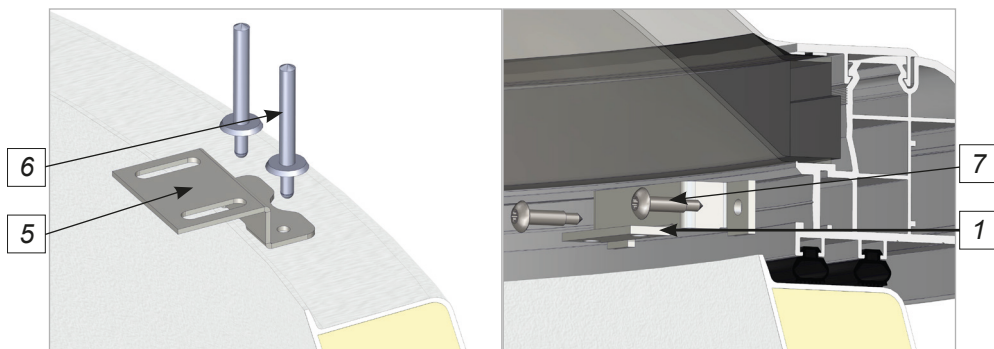


#207376
rivet 4,8x16



#214597
drilling screw
5,5x25

Assembly:

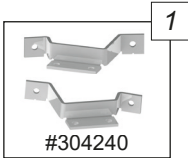


Glass fixing option C

Ventilated locked - tandem

In the event of upstand and upper part being separated

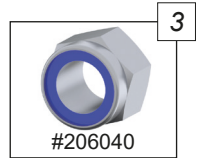
Components:



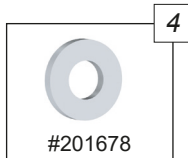
wing bent bracket
– pair



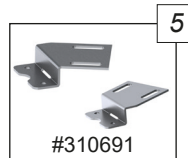
cylinder head screw
M6x16



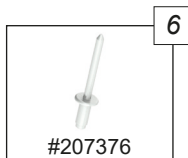
nut M6



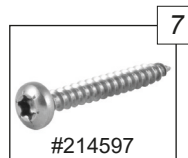
washer Ø6,4



locking sheet
OKD 180

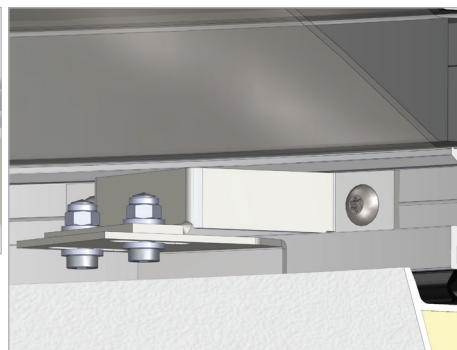
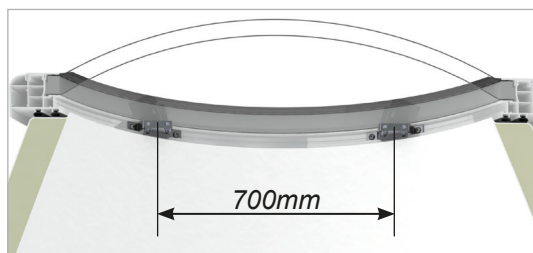
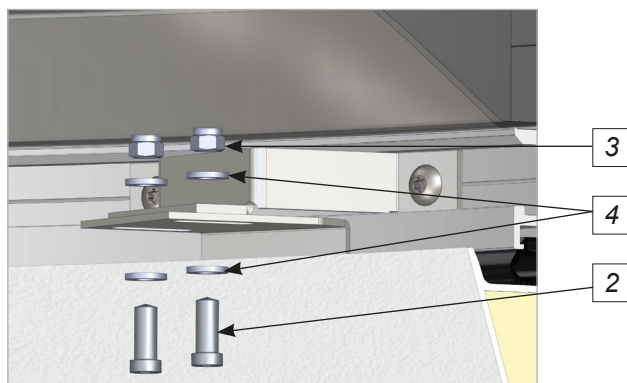
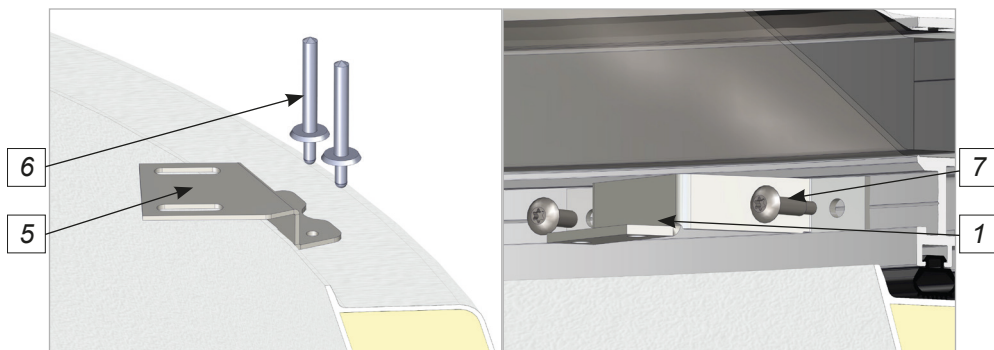


rivet 4,8x16



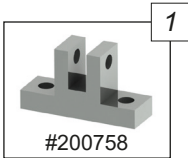
drilling screw
5,5x25

Assembly:

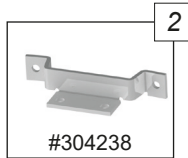


24V/230V drive solo "Type JM-DC"

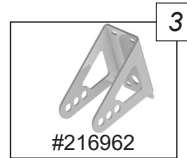
Components:



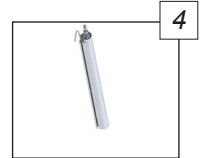
wing bent



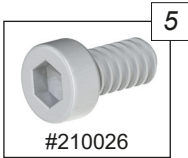
wing bent bracket



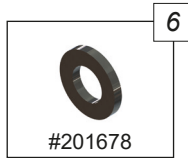
motor bracket



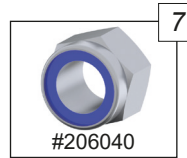
motor 24V/230V



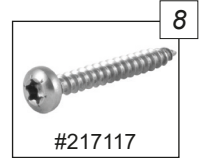
cylinder head screw
DIN 912 M6x20



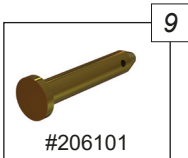
washer
DIN 125 6,4



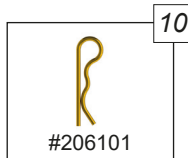
nut M6



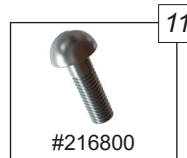
drilling screw
5,5x35



locating bolt



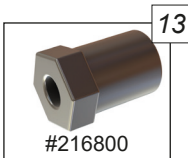
lock splint



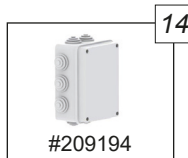
stud screw JM-DC



washer 5,2

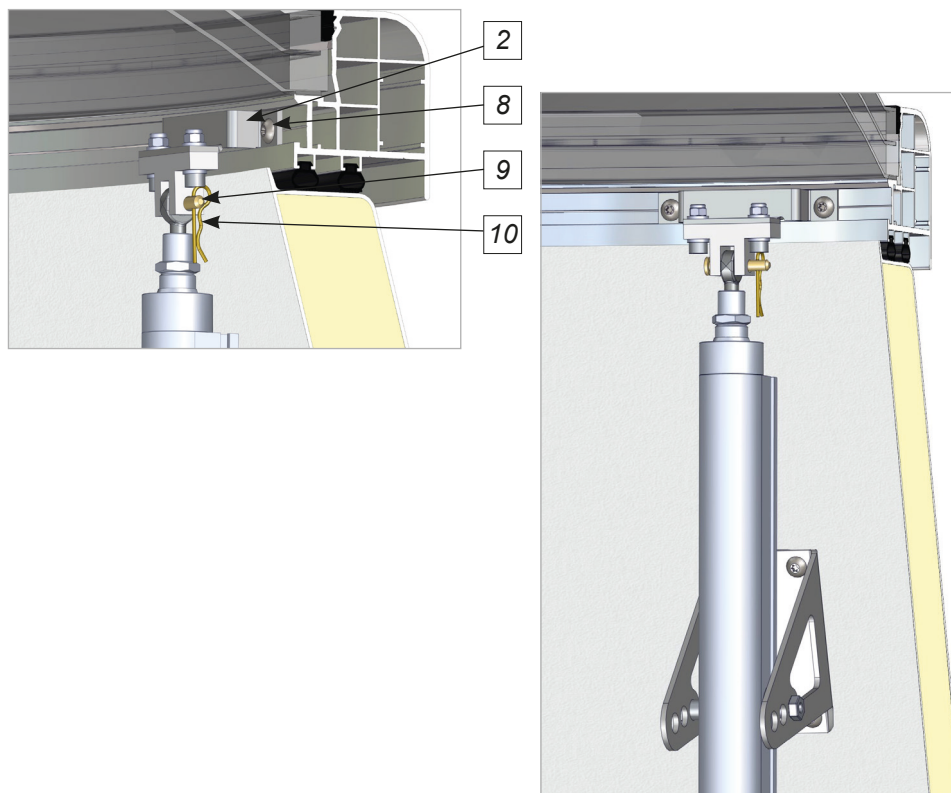
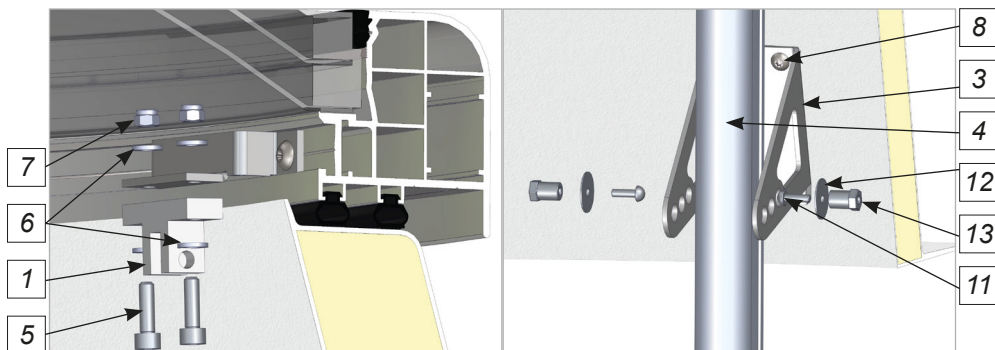


threaded bush



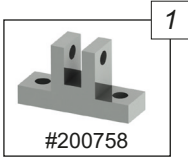
power pack for ventilation only for 230V version

Assembly:

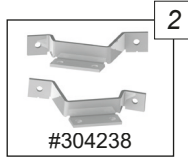


24V/230V drive tandem "Type JM-DC"

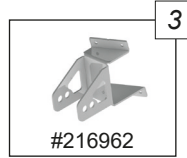
Components:



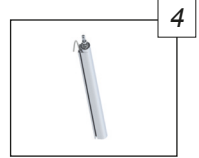
wing bent



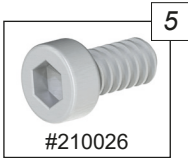
wing bent bracket



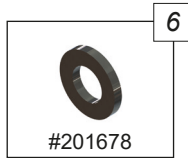
motor bracket



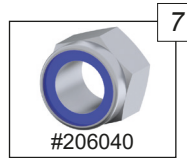
motor 24V/230V



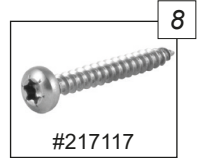
cylinder head screw
DIN 912 M6x20



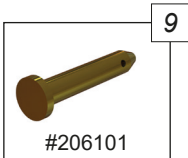
washer
DIN 125 6,4



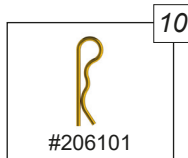
nut M6



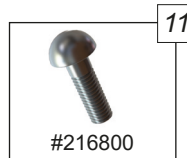
drilling screw
5,5x35



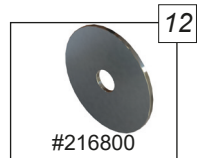
locating bolt



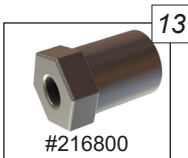
lock splint



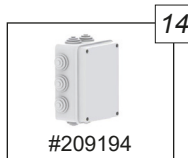
stud screw JM-DC



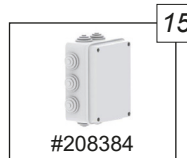
washer 5,2



threaded bush

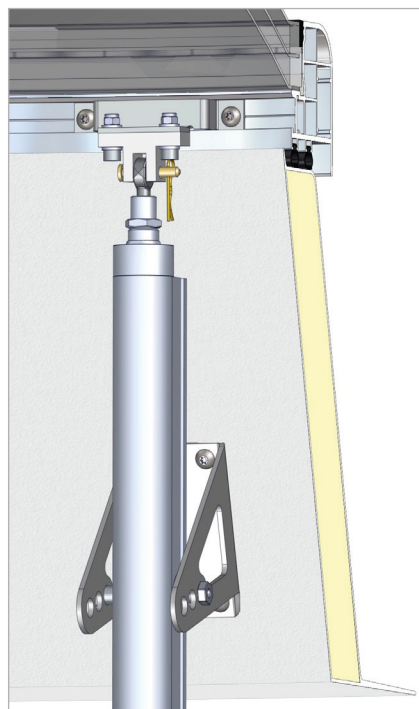
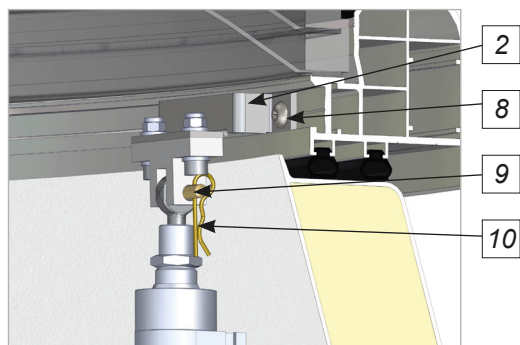


power pack for ventilation only for 230V version



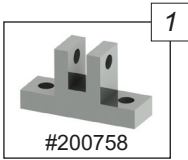
synchronous-speed control LA-GL/2

Assembly:

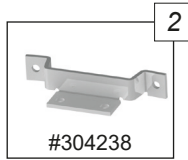


230V drive solo "Type SP8"

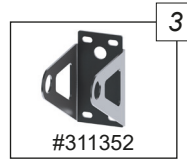
Components:



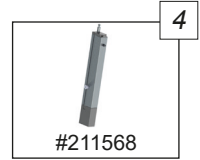
wing bent



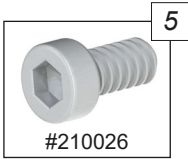
wing bent bracket



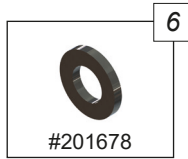
motor bracket



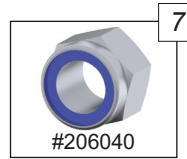
motor 230V



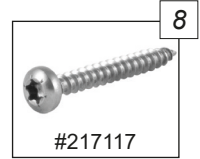
cylinder head screw
DIN 912 M6x20



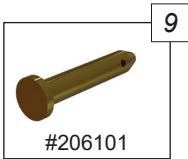
washer
DIN 125 6,4



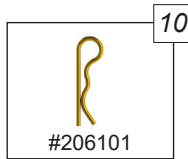
nut M6



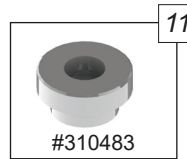
drilling screw
5,5x35



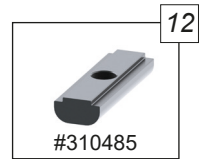
locating bolt



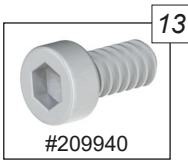
lock splint



liner Ø25mm

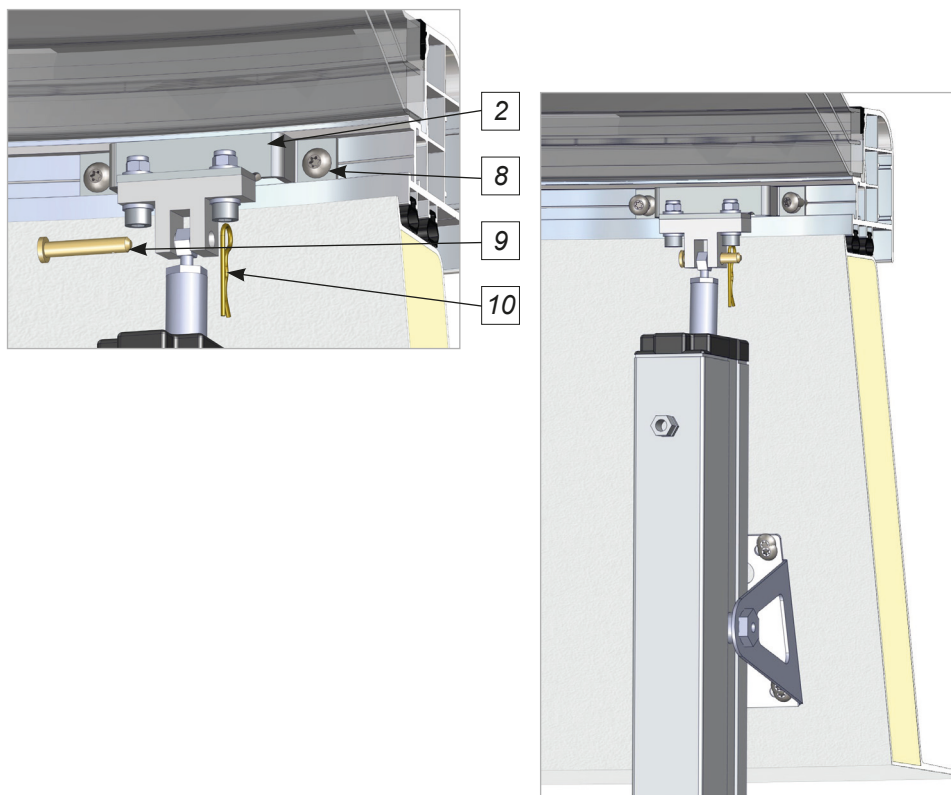
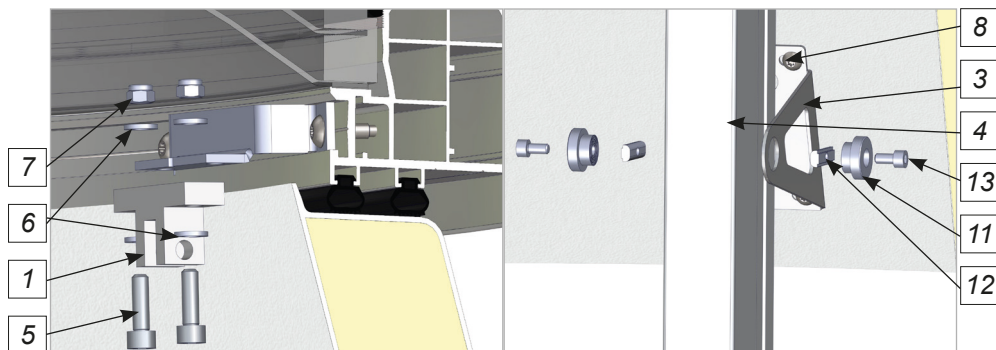


nut for T furrow



cylinder head screw
DIN 912 M6x12

Assembly:

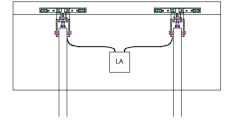


Wiring diagrams of electric drives

ventilation electric 24V/230V

technical details	Jo65	Jo100
driving force	spindle drive	
maintenance	24V DC, +4/-2V	
rated current	0,8A / 19,2W	
nominal force	650N	1000N
run-time	ca. 375mm/min	ca. 200mm/min
case	aluminium	
safety class	IP65	
load breaking	integrated	
cable length	1,7m - 2,4m	

Solo / Tandem 24V

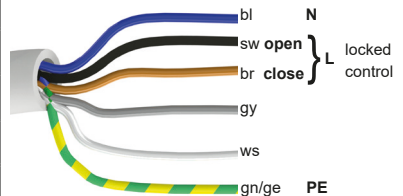


To ensure a smooth operation, the motors need to be synchronised via an external control panel!

ventilation electric 230V

technical details	SP8
driving force	spindle drive
maintenance	230V AC, 0,2A
nominal force	800N
run-time	ca. 420 mm/min
case	aluminium
safety class	IP54
load breaking	integrated
cable length	1m

Solo 230V





Scan this to learn more about
LAMILUX skylights!



ROOFLIGHT F100 W



GLASS SKYLIGHT F100



GLASS SKYLIGHT FE



GLASS ARCHITECTURE



FLAT ROOF ACCESS HATCH



MIROTEC STEEL CONSTRUCTIONS



CONTINUOUS ROOFLIGHT B/S



RENOVATION



TRANSLUCENT FAÇADE AND ROOF



SMOKE AND HEAT EXHAUST
VENTILATION SYSTEMS



BUILDING SMOKE EXTRACTION



RODA LIGHT AND AIR TECHNOLOGY

The technical data listed in this brochure correspond to the current status at the time of printing and are subject to change. Our technical specifications are based on calculations and supplier specifications, or have been determined by independent testing authorities within the scope of applicable standards. Thermal transmission coefficients for our plastic glazing were calculated using the finite element method with reference values in accordance with DIN EN 673 for insulated glass. Taking into account practical experience and the specific characteristics of plastic, the temperature difference between the outer surfaces of the material was defined as 15 K. Functional values refer to test specimens and the dimensions used in testing only. We cannot provide any further guarantees of technical values. This particularly applies to changed installation conditions or if dimensions are re-measured on site.



LAMILUX U.K. Limited

Suite 1 Beacon House · Kempson Way · Bury St Edmunds · Suffolk, IP32 7AR · Tel.: +44 (0) 1284 / 749051
E-Mail: sales@lamiluxskylights.co.uk · www.lamiluxskylights.co.uk · Registered in England Reg. No.: 07476237

