

safe · timeless · beautiful



markilux Optional Accessories

markilux RS 8000	markilux 790	Optional Accessories	Technical Information
markilux syncra flex 2 / syncra uno flex 2 with folding-arm awnings	markilux syncra fix / syncra uno fix with pergola 100 / 200	markilux syncra fix / syncra uno fix with folding-arm awnings	markilux pergola 200
			markilux pergola 100

*markilux*





## markilux PVC windows

### Awning covers with transparent windows for the markilux 860 and 869

As an additional option for the markilux RS 8000 frame system we offer awning covers with PVC windows for the tensioned systems markilux 860 and 869 (please consult the markilux "Vertical Blinds and Awnings Manual"). The material used is a transparent UV-resistant plastic foil.

Window	Dimensions (mm)
maximum height	2000
maximum width	1070

The maximum quantity of windows per cover can be deduced from the cover width and the number of full panel widths. Windows are only inserted into full panel widths.

Position	Minimum measurements (mm)
top / bottom	250
at the side to seam centre	50
between windows	100

The awning cover must be made of acrylic or sunsilk material, stitched or bonded together in panels (no widely woven fabrics).

#### Important note!

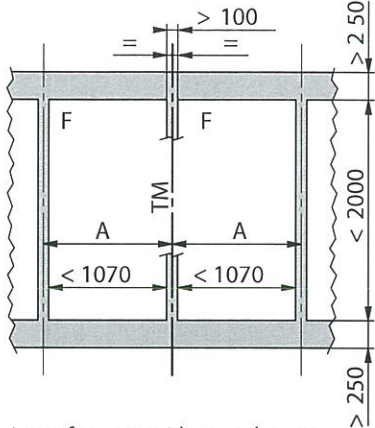
Because different materials are being joined this can lead to differences in tension between the two materials which may cause winding creases and puckering near the seams.

Moisture on the foil can lead to a change in the chemical properties of the plasticising agent, which may lead to the foil becoming cloudy. The influence of heat and rolling the material up when damp may exacerbate this effect. Consequently it is to be recommended that any moisture on the foil be allowed to evaporate before the blind is retracted. Given time the cloudiness in the foil may disappear again. However, because of wide variations in the climate, no guarantees can be given in this regard.

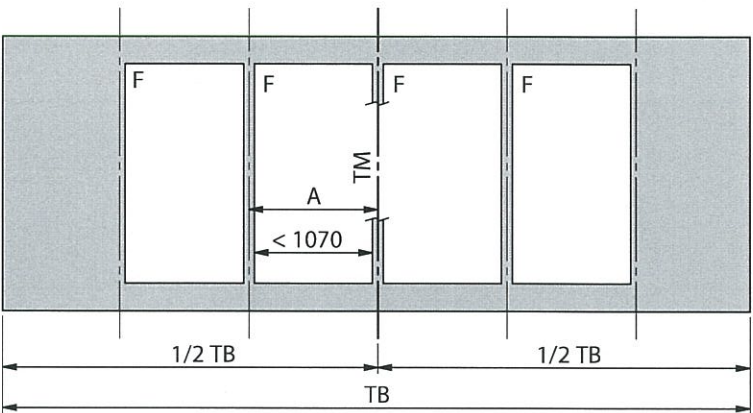
*Please inform your customers that it is not possible - given current technology - to prevent this phenomenon occurring and that it is no cause for complaint.*

Dimensions:

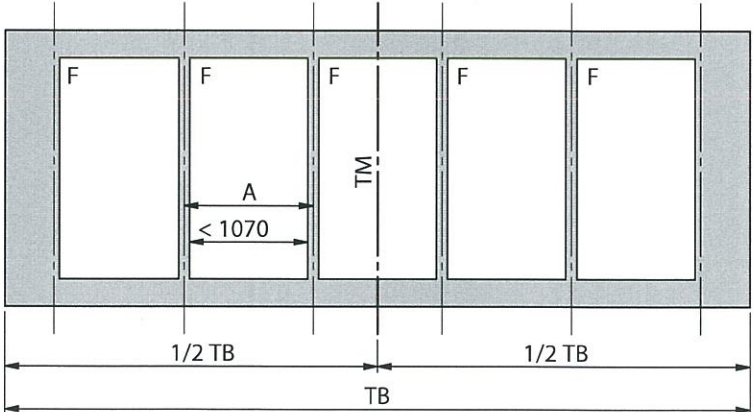
Overview of the dimensions of a standard window



Overview of the dimensions of a cover with central seam



Overview of the dimensions of a cover with central panel



- TB = cover width  
TM = centre line of the cover  
A = measurement between seam centres  
F = PVC window  
< = smaller or equal to  
> = larger or equal to

dimensions in mm

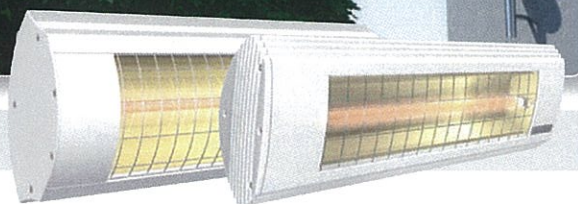
markilux pergola 100
markilux pergola 200
markilux syncra fix / syncra uno fix with folding-arm awnings
markilux syncra fix / syncra uno fix with pergola 100 / 200
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## Optional Accessories



### markilux infra-red heater



#### Cosy warmth when it starts to get cool

- enjoy the evening outside for longer
- caressing warmth with no warming up phase and a pleasing lighting effect at the same time
- warms people and not the air
- creates noticeable warmth in the protected area under the awning within an area of approx. 9 to 12 m<sup>2</sup>
- can be fitted to the markilux syncra using additional brackets, also for both sides - at a surcharge
- the attractively designed, unobtrusive housing in aluminium is powder coated to match that of your markilux awning - non-standard RAL colours incur a surcharge

- the housing is weather and splash proof (IP 24) - the heater can stay in place all year round
- radio remote control is possible with the Heat Receiver RTS
- the heater direction can be adjusted via the fixture bracket
- wired to the mains by means of a connecting plug (Hirschmann)
- save at least 30% on energy costs in comparison with gas or quartz radiating heaters
- lamp life approximately 5,000 hours
- order no. 8600220

#### Technical specifications

power supply	230 V, 50 Hz, slow 16 A fuse (class C)	
wiring cross section	H05SS 3 x 1.5 mm <sup>2</sup>	
power output (per heater)	1400 Watt	2000 Watt
length x depth x height (mm)	460 x 145 x 75	445 x 175 x 111
weight (kg)	approx. 1.8	approx. 3.1

#### INFRA-RED TECHNOLOGY

**PHILIPS**  **HeLeN**

#### Effectiveness of the infra-red heater

In the case of wind	effectiveness			
	at the maximum fixture height			
	face fixture (optimum inclination angle 20°)		top fixture	
	1400 W	2000 W	1400 W	2000 W
no wind (< 0.2 m/s)	100 %	100 %	100 %	100 %
moderate breeze (< 2.0 m/s)	69 %	78 %	65 %	89 %
strong breeze (< 4.0 m/s)	44 %	51 %	37 %	54 %





## Housing colours

traffic white - RAL 9016		•
metallic aluminium - RAL 9006		•
grey brown - similar to RAL 8019		•
light ivory - RAL 1015		•
off-white textured finish - 5233		•
stone grey metallic - 5215		•
anthracite metallic - 5204		•
non-standard powder-coated finish		○

\* Colours similar to the RAL chart - these may differ slightly from those depicted in both hue and finish.

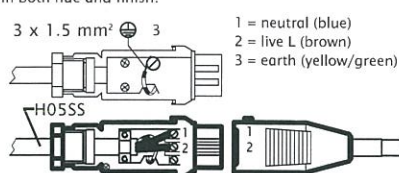
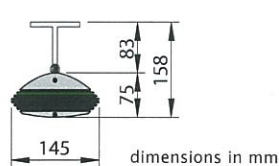
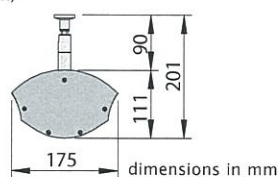


Fig. 1: connecting plug (Hirschmann)

Fig. 2: side view  
infra-red heater 1400 WFig. 3: side view  
infra-red heater 2000 W

## Options for fixture to the markilux syncra using additional brackets

- optimum effectiveness of the infra-red heater at the maximum fixture height (see the table on effectiveness) using additional brackets
- standard length approx. 60 cm (can be shortened on site)
- order no. 75677.

- fixture at 90° to or in line with the cross member of the markilux syncra is possible (see figs. 4 - 7)

**NOTE!** When fixing the markilux hotspot 3 brackets per side are required!

Fig. 4:  
Fixture of a markilux infra-red heater vertically beneath the cross member of the markilux syncra - fitted at 90° to the cross memberFig. 5:  
Fixture of a markilux infra-red heater vertically beneath the cross member of the markilux syncra - in line with the cross member (is similarly valid for the markilux hotspot)Fig. 6:  
Fixture of two markilux infra-red heaters vertically beneath the cross member of the markilux syncra - fitted at 90° to the cross memberFig. 7:  
Fixture of two markilux infra-red heaters vertically beneath the cross member of the markilux syncra - in line with the cross member (is similarly valid for the markilux hotspot)

markilux pergola 100

markilux pergola 200

markilux syncra fix /  
syncra uno fix  
with  
folding-arm awningsmarkilux syncra fix /  
syncra uno fix  
with  
pergola 100 / 200markilux syncra flex 2 /  
syncra uno flex 2  
with  
folding-arm awnings

markilux RS 8000

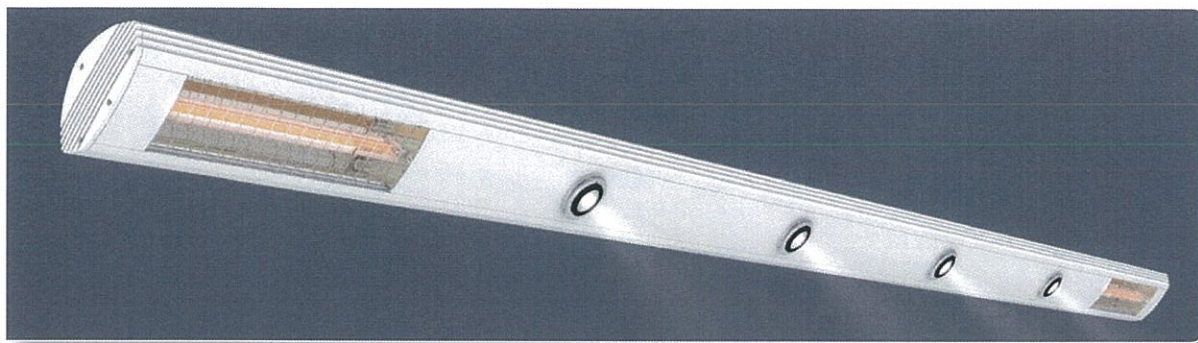
markilux 790

Optional Accessories

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## Optional Accessories



### markilux hotspot

#### Warmth and light in stylish combination

Enveloping warmth and subdued lighting are combined stylishly in the markilux hotspot. In the sheltered area under the awning it gives cosy warmth - with no heating up phase - and provides a pleasant lighting effect at the same time.

The markilux hotspot can be fitted or retrofitted directly to the wall or the soffit. In the case of the markilux syncra two can be fitted side by side with the appropriate brackets - at a surcharge (please consult the fixture options available for fixing the infra-red heater to the markilux syncra).

It can be adjusted within a maximum range of 30° on each side. The built-in spotlights can be adjusted individually - they can be rotated through 360° and tilted up to 60°.

The attractively designed, unobtrusive housing in aluminium is powder coated to match that of your markilux awning - non-standard RAL colours incur a surcharge.

The markilux hotspot is controlled via an On/Off switch. It is wired to the mains by means of a connecting plug (Hirschmann).

order no. 8600309 in traffic white (RAL 9016)

order no. 8600308 metallic aluminium (RAL 9006)

order no. 8600349 in a non-standard powder-coated finish

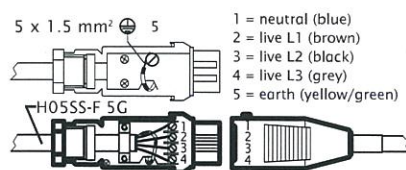


Fig. 1: connecting plug (Hirschmann)

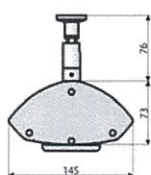
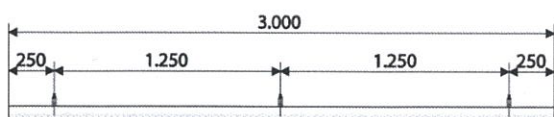


Fig. 2: side view with a turn and tilt bracket

dimensions in mm



dimensions in mm

Fig. 3: 4 spotlights with 2 infra-red heaters, quantity of brackets and their separation from one another

#### Technical specifications

power supply	230 V, 50 Hz, slow 16
protection level / protection class	IP24 / I
wiring cross section	H05SS-F 5G 5 x 1.5 mm <sup>2</sup>
power output (Infrared heater)	2 x 1400 Watt
power output (spotlight)	4 x 20 Watt
quantity of fixture brackets	3
length x depth x height (mm)	300 x 145 x 73
weight (kg)	12.2

#### Effectiveness of the infra-red heater

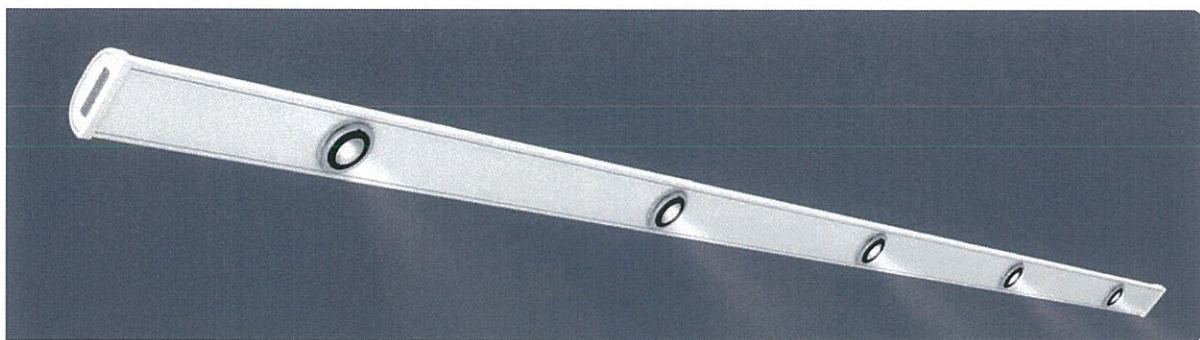
In the case of wind	effectiveness (at a maximum fixture height of 2.25 m)	
	face fixture (optimum angle 20°)	top fixture
no wind (< 0.2 m/s)	100 %	100 %
moderate breeze (< 2.0 m/s)	69 %	65 %
strong breeze (< 4.0 m/s)	44 %	37 %

#### Housing colours

- traffic white - RAL 9016
- metallic aluminium - RAL 9006
- non-standard powder-coated finish



\* Colours similar to the RAL chart - these may differ slightly from those depicted in both hue and finish.



## markilux spotline

### The unobtrusive lighting bar

With the markilux spotline the area underneath the awning is bathed evenly in a pleasant light.

The markilux spotline can be fitted or retrofitted with a turn and tilt bracket to the wall or soffit. The built-in spots can be adjusted individually - they can be rotated through 360° and tilted up to 60°.

The attractively designed, unobtrusive housing in aluminium is powder coated to match that of your markilux awning - non-standard RAL colours incur a surcharge.

The markilux spotline is controlled via an On/Off switch. It is wired to the mains by means of a connecting plug (Hirschmann).

Order nos. (200 cm with 3 Spots / 300 cm with 5 Spots):  
 order no. 8600267 / 8600279 traffic white (RAL 9016)  
 order no. 8600266 / 8600278 metallic aluminium (RAL 9006)  
 order no. 8600352 / 8600354 in non-standard powder-coated finish

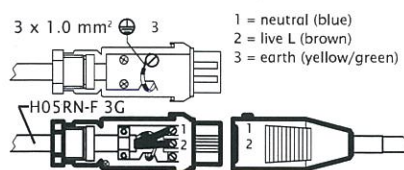


Fig. 1: connecting plug (Hirschmann)

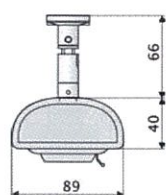
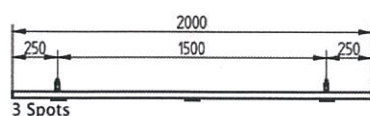
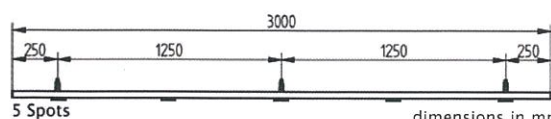


Fig. 2: side view

dimensions in mm



3 Spots



5 Spots

dimensions in mm

Fig. 3: quantity of brackets and their separation from one another

### Technical specifications

power supply	230 V, 50 Hz	
protection level / protection class	IP44 / I	
wiring cross section	H05RN-F 3G 3 x 1.0 mm²	
power output (per spotlight)	20 Watt	
length (mm)	2000	3000
depth x height (mm)	89 x 40	
number of spotlights	3	5
weight (kg)	2.8	4.4

### Housing colours

- traffic white - RAL 9016
- metallic aluminium - RAL 9006
- non-standard powder-coated finish



\* Colours similar to the RAL chart - these may differ slightly from those depicted in both hue and finish.

markilux pergola 100

markilux pergola 200

markilux syncra fix / syncra uno fix with folding-arm awnings

markilux syncra fix / syncra uno fix with pergola 100 / 200

markilux syncra flex 2 / syncra uno flex 2 with folding-arm awnings

markilux RS 8000

markilux 790

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## Optional Accessories



## markilux Signwriting

### Signwriting on covers and valances

Valances and awning covers offer an ideal area to display your advertising or sponsoring.

Apart from the bespoke printing options, three standard printing processes are available:

- stencil printing
- thermo-transfer printing
- digital printing

Please send us your lettering or logo. We will be pleased to make you an individual offer for colour as well as for monochrome printing.

#### 1. Stencil printing (for valances and covers):

- high quality and durable textile signwriting for large valances and covers
- extremely durable - three applications of colour
- very good light fastness and resistance to UV (light fastness 7-8)
- the signwriting is applied manually using several stencils, which are made by hand
- all the fonts offered by Microsoft Word are available

#### 2. Thermo-transfer printing (only for valances):

- the less expensive alternative for smaller budgets and short to medium term advertising campaigns
- the signwriting is applied using a thermal transfer process
- limited light fastness
- less durable than the stencil process

#### Overview of the colours available in thermo-transfer printing in the fonts offered by Microsoft Word:

traffic white - RAL 9016	gentian blue - RAL 5010
traffic yellow - RAL 1023	sky blue - RAL 5015
bright red orange - RAL 2008	turquoise green - RAL 6016
sapphire blue - RAL 5003	window grey - RAL 7040
signal blue - RAL 5005	signal black - RAL 9004

#### 3. Digital printing (for large areas and covers):

- the new printing technique offering unlimited possibilities
- ideal for large areas and detailed images
- realistic representation of logos and photos, just about anything is possible
- digital files must be submitted in PDF/X-3 or TIFF format, other formats may be possible so please ask us
- optimum printing quality at a resolution of at least 70-100 dpi
- printed on white acrylic awning fabric or on request on Soltis material
- we recommend that the un-printed white edges, which appear as a result of discrepancies between the size of the picture and the cover, be filled with a plain colour

Colours similar to the RAL chart - these may differ slightly from those depicted in both hue and finish.