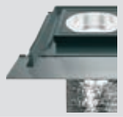
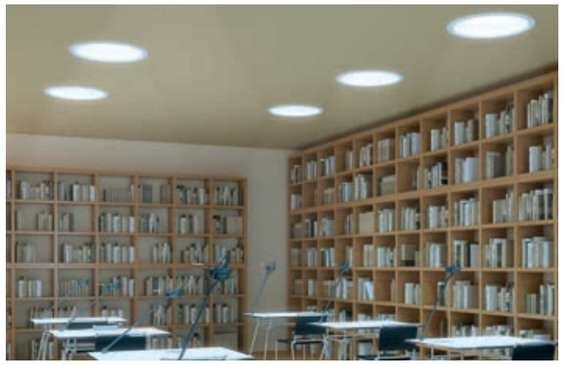
TECHNICAL SPECIFICATION

SLT, SF_, SF_-L
LIGHT TUNNELS
WITH FLEXIBLE LIGHT TRANSMITTING TUBE

LIGHT TUNNEL TYPE	SLT	SF_	SF_-L
			
	with dome	flat	flat with illumination function
I. APPLICATION			
Installation	installation angle 15°-60° when using flat roof system installation angle 0°-15° - only SLT		
Flashing	The flashing is made of 0.6mm thick aluminium sheet metal in RAL 7022. It comes with built-in mounting frame of the dome made of black plastic. The flashing is selected depending on the roof covering: SLS, SLL – flat roof coverings SLZ – corrugated roof coverings SLH – high profile roof coverings	The flashing integrated with the frame is made of 0.6mm thick aluminium sheet metal coated with lacquer in RAL 7022. Apron of the flashing (Z and H version) is pleated and made of aluminium and plastic.	
II. FEATURES			
Characteristics	The dome is made of a polycarbonate material which is resistant to UV radiation. Average thickness of the material – 3.2mm.	The sash is made of extruded aluminium profile coated in RAL 7022. 4mm thick toughened glass is bonded into an aluminium profile. The frame is made of vacuum impregnated wood.	
Tube structure	Flexible light transmitting tube is made of metallised polyester, additionally reinforced with 1.2mm thick metal wire. Standard length of 210cm ensures an easy way to bypass any structural obstacles.		
Ceiling element	Ceiling frame and cover are made of white plastic. Set of diffusers is made of acrylic plates which are joined by means of white PVC seal.	Made of acrylic (PMMA) with built in diffuser. The cover of ceiling frame is made of white plastic (HIPS)	
Control	maintenance-free		
Warranty	7 years		
III. TECHNICAL PARAMETERS			
Thermal insulation	≤ 2,2 W/m²K - 350mm ≤ 2,1 W/m²K - 550mm as per PN-EN 1873:2009	≤ 2,0 W/m²K- 350mm ≤ 1,9 W/m²K- 550mm as per PN-EN 1873:2009, PN-EN ISO 10211:2008	
Air permeability	class 3 as per EN 1026, EN 12207	class 3 as per PN-EN 12207:2001	
Watertightness – unshielded (A)	meets as per PN-EN 1873:2009	meets as per PN-EN 1873:2009	
Impact resistance - hard body	meets as per PN-EN 1873:2009	meets as per PN-EN 1873:2009	
Impact resistance - soft body	class SB 1200 as per PN-EN 1873:2009	class SB 800 as per PN-EN 1873:2009	
Tearing out load resistance	class UL 3000 as per PN-EN 1873:2009	class UL 3000 as per PN-EN 1873:2009	
Clamping load resistance	class DL 2500 as per PN-EN 1873:2009	class DL 2500 as per PN-EN 1873:2009	
IV. OPTIONS			
	it is possible to extend light transmitting tube: 350mm diameter – maximum recommended: 400cm, 550mm diameter – maximum recommended: 600cm		
V. ADDITIONAL PRODUCTS TO BE USED			
	flat roof system (only SLT): SFP insulated base, SLP flashing		
Accessories for light tunnels	- SLM flexible light transmitting tube extension element with a length of 120cm - SLC hanger - SLO light kit (only for SLT)		

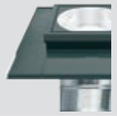
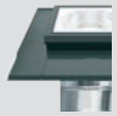
VI. TECHNICAL PARAMETERS FOR LIGHT TUNNELS IN PARTICULAR SIZES

LIGHT TUNNEL TYPE	SLT		SF_		SF_-L	
light tunnel diameter [mm]	**350**	**550**	**350**	**550**	**350**	**550**
tube length [cm]	210	210	210	210	210	210
maximum tube length [cm]	400	600	400	600	400	600
light tunnel weight without flashing [kg]±1kg	3.7	6.2	–	–	–	–
light tunnel weight with S type flashing [kg]±1kg	–	–	7.8	13.0	7.8	13.0
light tunnel weight with L type flashing [kg]±1kg	–	–	8.0	13.0	8.0	13.0
light tunnel weight with Z type flashing [kg]±1kg	–	–	8.5	13.7	8.5	13.7
light tunnel weight with H type flashing [kg]±1kg	–	–	9.0	14.5	9.0	14.5



TECHNICAL SPECIFICATION

SRT, SR_, SR_-L
LIGHT TUNNELS
WITH RIGID LIGHT TRANSMITTING TUBE

LIGHT TUNNEL TYPE	SRT	SR_	SR_-L
			
	with dome	flat	flat with illumination function
I. APPLICATION			
Installation	installation angle 15°-60° when using flat roof system installation angle 0°-15° - only SRT		
Flashing	The flashing is made of 0.6mm thick aluminium sheet metal in RAL 7022. It comes with built-in mounting frame of the dome made of black plastic. The flashing is selected depending on the roof covering: SLS, SLL – flat roof coverings SLZ – corrugated roof coverings SLH – high profile roof coverings	The flashing integrated with the frame is made of 0.6mm thick aluminium sheet metal coated with lacquer in RAL 7022. Apron of the flashing (Z and H version) is pleated and made of aluminium and plastic.	
II. FEATURES			
Characteristics	The dome is made of a polycarbonate material which is resistant to UV radiation. Average thickness of the material – 3.2mm.	The sash is made of extruded aluminium profile coated in RAL 7022. 4mm thick toughened glass is bonded into an aluminium profile. The frame is made of vacuum impregnated wood.	
Tube structure	The tube is made of 0.5mm thick aluminium sheet metal covered with Miro-Silver reflective layer. Coating reflectivity – 98%. Length of a single section of light transmitting tube: 0.61m		
Ceiling element	Ceiling frame and cover are made of white plastic. Set of diffusers is made of acrylic plates which are joined by means of white PVC seal.	Made of acrylic (PMMA) with built-in diffuser. The cover of ceiling frame is made of white plastic (HIPS)	
Control	maintenance-free		
Warranty	7 years		
III. TECHNICAL PARAMETERS			
Thermal insulation	≤ 2,3W/m²K -250mm ≤ 2,2W/m²K -350mm as per PN-EN 1873:2009 ≤ 2,1 W/m²K - 550mm	≤ 2,1 W/m²K- 250mm ≤ 2,0 W/m²K- 350mm as per PN-EN ISO 10211:2008, PN-EN 1873:2009 ≤ 1,9 W/m²K- 550mm	
Air permeability	class 3 as per PN-EN 12207:2001	class 3 as per PN-EN 12207:2001	
Watertightness – unshielded (A)	meets as per PN-EN 1873:2009	meets as per PN-EN 1873:2009	
Impact resistance - hard body	meets as per PN-EN 1873:2009	meets as per PN-EN 1873:2009	
Impact resistance - soft body	class SB 1200 as per PN-EN 1873:2009	class SB 800 as per PN-EN 1873:2009	
Tearing out load resistance	class UL 3000 as per PN-EN 1873:2009	class UL 3000 as per PN-EN 1873:2009	
Clamping load resistance	class DL 2500 as per PN-EN 1873:2009	class DL 2500 as per PN-EN 1873:2009	
IV. OPTIONS			
	It is possible to extend light transmitting tube: maximum recommended length for 250mm diameter is 600cm, for other it is 1200cm (over 400cm hangers must be applied)		
V. ADDITIONAL PRODUCTS TO BE USED			
	flat roof system (only SRT): SFP insulated base, SLP flashing		
Accessories for light tunnels	- SRM rigid light transmitting tube extension element with a length of 61cm - SRK elbow - SRC hanger - SLO light kit (only for SRT)		

VI. TECHNICAL PARAMETERS FOR LIGHT TUNNELS IN PARTICULAR SIZES									
LIGHT TUNNEL TYPE	SRT			SR_			SR_-L		
light tunnel diameter [mm]	250	350	550	250	350	550	250	350	550
									
tube length [cm]	210	210	180	210	210	180	210	210	180
maximum tube length [cm]	600	1200	1200	600	1200	1200	600	1200	1200
light tunnel weight without flashing [kg]±1kg	4.8	5.9	5.0	–	–	–	–	–	–
light tunnel weight with S type flashing [kg]±1kg	–	–	–	7.7	10.6	16.0	7.7	10.7	16.1
light tunnel weight with L type flashing [kg]±1kg	–	–	–	7.8	10.7	16.1	7.8	10.8	16.3
light tunnel weight with Z type flashing [kg]±1kg	–	–	–	8.2	11.2	17.0	8.2	11.2	17.0
light tunnel weight with H type flashing [kg]±1kg	–	–	–	8.2	11.3	17.1	8.2	11.3	17.1