

# Technical Data

## ELECTRIC OPENING SKYLIGHTS – MODEL VSE (Installed Pitch 15°– 90°)

SIZE CODES	VSE C04	VSE M04	VSE M08	VSE S01	VSE S06
External frame dimensions mm (wxh)	550 x 980	780 x 980	780 x 1400	1140 X 700	1140 x 1180
R Value for Skylight incl. frame (m <sup>2</sup> K/W) 1	0.50	0.50	0.50	0.50	0.50
Solar Heat gain coefficient g 2	0.23	0.23	0.23	0.23	0.23
UV light reduction in % 3	99%	99%	99%	99%	99%
Sound reduction in db	29 db	29 db	29 db	29 db	29 db
Daylight area in m <sup>2</sup>	0.33 m <sup>2</sup>	0.51 m <sup>2</sup>	0.78 m <sup>2</sup>	0.52 m <sup>2</sup>	1.00 m <sup>2</sup>
Ventilation with open sash in m <sup>2</sup>	0.33 m <sup>2</sup>	0.39 m <sup>2</sup>	0.49 m <sup>2</sup>	0.40 m <sup>2</sup>	0.54 m <sup>2</sup>

## ROOF WINDOW WITH VENT FLAP – MODEL GGL (Installed Pitch 15°– 90°)

ORDER CODES	GGL C02	GGL C04	GGL M04	GGL M06	GGL M08	GGL S06	GGL S08
External frame dimensions mm (wxh)	550 x 780	550 x 980	780 x 980	780 x 1180	780 x 1400	1140 x 1180	1140 x 1400
R Value for Skylight incl. frame (m <sup>2</sup> K/W) 1	0.71	0.71	0.71	0.71	0.71	0.71	0.71
Solar Heat gain coefficient g 2	0.54	0.54	0.54	0.54	0.54	0.54	0.54
UV light reduction in % 3	95%	95%	95%	95%	95%	95%	95%
Sound reduction in db	35 db	35 db	35 db	35 db	35 db	35 db	35 db
Daylight area in m <sup>2</sup>	0.20 m <sup>2</sup>	0.27 m <sup>2</sup>	0.44 m <sup>2</sup>	0.56 m <sup>2</sup>	0.69 m <sup>2</sup>	0.90 m <sup>2</sup>	1.11 m <sup>2</sup>
Ventilation with open sash in m <sup>2</sup>	0.32 m <sup>2</sup>	0.38 m <sup>2</sup>	0.57 m <sup>2</sup>	0.72 m <sup>2</sup>	0.86 m <sup>2</sup>	1.08 m <sup>2</sup>	1.36 m <sup>2</sup>
Ventilation through vent-flap in m <sup>2</sup>	0.004 m <sup>2</sup>	0.004 m <sup>2</sup>	0.007 m <sup>2</sup>	0.007 m <sup>2</sup>	0.007 m <sup>2</sup>	0.010 m <sup>2</sup>	0.010 m <sup>2</sup>

## MANUAL OPENING SKYLIGHTS – MODEL VS (Installed Pitch 15°–90°)

SIZE CODES	VS C04	VS M04	VS M08	VS S01	VS S06
External frame dimensions mm (wxh)	550 x 980	780 x 980	780 x 1400	1140 x 700	1140 x 1180
R Value for Skylight incl. frame (m <sup>2</sup> K/W) 1	0.53	0.53	0.53	0.53	0.53
Solar Heat gain coefficient g 2	0.23	0.23	0.23	0.23	0.23
UV light reduction in % 3	95%	95%	95%	95%	95%
Sound reduction in db	29 db	29 db	29 db	29 db	29 db
Daylight area in m <sup>2</sup>	0.33 m <sup>2</sup>	0.51 m <sup>2</sup>	0.78 m <sup>2</sup>	0.52 m <sup>2</sup>	1.00 m <sup>2</sup>
Ventilation with open sash in m <sup>2</sup>	0.33 m <sup>2</sup>	0.39 m <sup>2</sup>	0.49 m <sup>2</sup>	0.40 m <sup>2</sup>	0.54 m <sup>2</sup>

## FIXED SKYLIGHTS – MODEL FS (Installed Pitch 15°– 90°)

SIZE CODES	FS C01	FS C04	FS M04	FS M08	FS S01	FS S06
External frame dimensions mm (wxh)	550 x 700	550 x 980	780 x 980	780 x 1400	1140 x 700	1140 x 1180
R Value for Skylight incl. frame (m <sup>2</sup> K/W) 1	0.53	0.53	0.53	0.53	0.53	0.53
Solar Heat gain coefficient g 2	0.26	0.26	0.26	0.26	0.26	0.26
UV light reduction in % 3	95%	95%	95%	95%	95%	95%
Sound reduction in db	29 db	29 db	29 db	29 db	29 db	29 db
Daylight area in m <sup>2</sup>	0.28 m <sup>2</sup>	0.41 m <sup>2</sup>	0.62 m <sup>2</sup>	0.91 m <sup>2</sup>	0.64 m <sup>2</sup>	1.15 m <sup>2</sup>

# Technical Data

## LOW PITCH OPENING SKYLIGHT - ELECTRIC, MODEL VCE (Installed Pitch 0°– 60°)

SIZE CODES	VCE 2222	VCE 2246	VCE 3030	VCE 4646
Actual Skylight dimensions mm	679 x 679	679 x 1289	883 x 883	1289 x 1289
Outside Curb dimensions mm	648 x 648	648 x 1257	851 x 851	1257 x 1257
Finished Inside Curb dimensions mm	572 x 572	572 x 1181	775 x 775	1181 x 1181
R Value for Skylight incl. frame (m <sup>2</sup> K/W) 1	0.40	0.40	0.40	0.40
Solar Heat gain coefficient g 2	0.24	0.24	0.24	0.24
UV light reduction in % 3	99%	99%	99%	99%
Sound reduction in db	29 db	29 db	29 db	29 db
Daylight area in m <sup>2</sup>	0.24 m <sup>2</sup>	0.55 m <sup>2</sup>	0.49 m <sup>2</sup>	1.22 m <sup>2</sup>
Ventilation with open sash in m <sup>2</sup>	0.30 m <sup>2</sup>	0.48 m <sup>2</sup>	0.42 m <sup>2</sup>	0.66 m <sup>2</sup>

## LOW PITCH OPENING SKYLIGHTS - MANUAL, MODEL VCM (Installed Pitch 0°– 60°)

SIZE CODES	VCM 2222	VCM 2246	VCM 3030	VCM 4646
Actual Skylight dimensions mm	679 x 679	679 x 1289	883 x 883	1289 x 1289
Outside Curb dimensions mm	648 x 648	648 x 1257	851 x 851	1257 x 1257
Finished Inside Curb dimensions mm	572 x 572	572 x 1181	775 x 775	1181 x 1181
R Value for Skylight incl. frame (m <sup>2</sup> K/W) 1	0.42	0.42	0.42	0.42
Solar Heat gain coefficient g 2	0.24	0.24	0.24	0.24
UV light reduction in % 3	95%	95%	95%	95%
Sound reduction in db	29 db	29 db	29 db	29 db
Daylight area in m <sup>2</sup>	0.24 m <sup>2</sup>	0.55 m <sup>2</sup>	0.49 m <sup>2</sup>	1.22 m <sup>2</sup>
Ventilation with open sash in m <sup>2</sup>	0.30 m <sup>2</sup>	0.48 m <sup>2</sup>	0.42 m <sup>2</sup>	0.66 m <sup>2</sup>

## LOW PITCH FIXED SKYLIGHTS - MODEL FCM (Installed Pitch 0°– 60°)

SIZE CODES	FCM 2222	FCM 2246	FCM 3030	FCM 4646
Actual Skylight dimensions mm	679 x 679	679 x 1289	883 x 883	1289 x 1289
Outside Curb dimensions mm	648 x 648	648 x 1257	851 x 851	1257 x 1257
Finished Inside Curb dimensions mm	572 x 572	572 x 1181	775 x 775	1181 x 1181
R Value for Skylight incl. frame (m <sup>2</sup> K/W) 1	0.45	0.45	0.45	0.45
Solar Heat gain coefficient g 2	0.26	0.26	0.26	0.26
UV light reduction in % 3	95%	95%	95%	95%
Sound reduction in db	29 db	29 db	29 db	29 db
Daylight area in m <sup>2</sup>	0.33 m <sup>2</sup>	0.68 m <sup>2</sup>	0.60 m <sup>2</sup>	1.39 m <sup>2</sup>

## SUN TUNNEL - MODELS TWR, TLR, TWF, TLF (Installed pitch 15°- 60°)

SIZE CODES	014
Internal diameter dimensions in mm	350
R value for Complete unit (m <sup>2</sup> K/W) 1	0.45
UV light reduction in % 3	99%

## VALUES ARE DETERMINED ACCORDING TO THE FOLLOWING STANDARDS:

MODELS	GGL	VSE/VS/FS/VCE/VCM/FCM	TWR/TLR/TWF/TLF
1 Thermal resistance of complete unit	EN ISO 12567-2	NFRC 102	NFRC 100
2 Solar Heat gain coefficient g	EN 410	NFRC 200	
3 UV light reduction	EN 410	NFRC 300	VELUX internal tests
4 Sound reduction of complete unit in dB	EN ISO 717-1		