

TECHNICAL DETAILS

U value, light transmission, g value and acoustic value

Plastic skylights and hybrid skylights			Ut value			LT value			g value			Rw value			
			EN 1873 : 2014 (W/m²K)			EN ISO 13468 EN 16153 EN 410 (%)			EN 410 (%)			EN ISO 140-3 (dB)			
			skylight	+ EP25	hybrid*	skylight	+ EP25	hybrid*	skylight	+ EP25	hybrid*	skylight	+ EP25	hybrid*	
Acrylic PMMA	SW	Clear (H)	5.17	1.19	0.93	90	37	70	87	57	50	-	24	40	
		Opal (O)	5.17	1.19	0.93	83	34	64	76	50	43	-	24	40	
	DW	Clear (H/H)	2.90	0.98	0.79	81	33	63	75	50	43	20	26	40	
		Opal (O/O)	2.90	0.98	0.79	69	28	53	58	38	33	20	26	40	
	3 W	Clear (H/H/H)	1.70	0.83	0.69	73	30	57	65	43	37	22	28	40	
		Opal (O/H/O)	1.70	0.83	0.69	62	25	48	51	34	29	22	28	40	
	4 W	Clear (H/H/H/A)	1.28	0.72	0.61	64	26	50	54	36	31	23	29	40	
		Opal (H/H/O/A)	1.28	0.72	0.61	59	24	46	48	32	27	23	29	40	
	5 W	Clear (H/H/H/H/A)	0.99	0.63	0.55	58	24	45	47	31	27	24	30	40	
		Opal (O/H/H/H/A)	0.99	0.63	0.55	53	22	41	41	27	23	24	30	40	
Polycarbonate PC	SW	Clear (A)	5.17	1.19	0.93	88	36	68	83	55	47	-	24	40	
		Clear (A/H)	2.90	0.98	0.79	79	32	61	72	48	41	20	26	40	
		Clear (A/A)	2.90	0.98	0.79	77	32	60	69	46	39	20	26	40	
		Opal (A/O)	2.90	0.98	0.79	73	30	57	63	42	36	20	26	40	
	3 W	Clear (A/H/H)	1.70	0.83	0.69	51	21	39	50	33	29	20	26	40	
		Opal (A/O/O)	1.70	0.83	0.69	61	25	47	48	32	27	22	28	40	
	4 W	Clear (A/H/H/A)	1.28	0.72	0.61	64	26	50	52	34	30	23	29	40	
		Opal (A/H/O/A)	1.28	0.72	0.61	59	24	46	46	30	26	23	29	40	
	Polycarbonate heatstop PC	SW	Heatstop Clear (T)	5.17	1.19	0.93	49	20	38	59	39	34	-	24	40
			Clear (T/H)	2.90	0.98	0.79	44	18	34	51	34	29	20	26	40
DW		Opal (T/O)	2.90	0.98	0.79	41	17	32	45	30	26	20	26	40	
		Clear (T/H/H)	1.70	0.83	0.69	40	16	31	44	29	25	22	28	40	
3 W		Opal (T/H/O)	1.70	0.83	0.69	37	15	29	39	26	22	22	28	40	
		Clear (T/H/H/A)	1.28	0.72	0.61	35	14	27	37	24	21	23	29	40	
4 W		Opal (T/H/O/A)	1.28	0.72	0.61	32	13	25	32	21	18	23	29	40	
		EP 10 skylight PMMA	6 W	Opal (H/E/O)	1.30	0.71	0.60	51	21	39	43	28	25	21	27
EP 10 skylight PC		6 W	Opal (A/E/O)	1.30	0.71	0.60	50	21	39	41	27	23	21	27	40
EP 16 skylight PC		9 W	Opal (A/U/O/A)	0.87	0.57	0.50	39	16	30	32	21	18	22	28	40

* value for hybrid with double glazing (Skylux Window and Skylux iDome)
+ EP25 : skylight in combination with PVC curb and multi-walled sheet (page 49)

H clear acrylic T opal heatstop polycarbonate
O opal acrylic E 4-walled clear SPC 10 mm sheet
A clear polycarbonate U 6-walled clear SPC 16 mm sheet
D opal polycarbonate

Glass skylights			Ug value	LT value	g value	Rw value
			EN 673 (W/m²K)	EN 410 (%)	EN 410 (%)	EN 717-1 (dB)
Skylux iWindow2	DW	Clear HR ++	1.00	67	42	39
Skylux iWindow3	3 W	Clear HR +++	0.50	68	49	41

Ut value U transparent or insulation value of the composed skylight (W/m²K)
Ug value U glass or insulation value of the glazing (W/m²K)
LT value light transmission (%)
g value total passage of the sun-energy (%)
Rw value acoustic value (dB)

For each combination (curb-window-skylight), the total U value can be calculated on www.skylux.be.
The U values according to the former norm EN1873:2005 are available on request.