

Designo R4

Centre pivot roof window in PVC or timber with electric radio control. Usage: from 15° to 90°



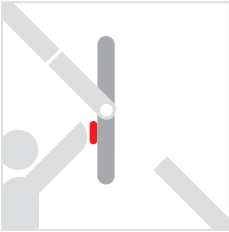
The benefits at a glance

- Concealed drive unit
- Integrated control system for exterior/interior accessories
- Cable guide prepared for interior accessories
- Integrated triple radio receiver (on the electric radio remote 'EF' version)
- Plug-in electric connection with power plug and rain sensor enclosed

	Designo R4 (PVC)	Designo R4 (Timber)
Usage	From 15° to 90°	From 15° to 90°
Installation	Living rooms, Dry and humid rooms	Natural living ambience
Frame material	Thermally optimised multichambered profile made of enhanced impact resistant and low-maintenance PVC, reinforcements made of zinc-plated, steel profiles, completely recyclable	Solid pine timber, triple-layered laminate (non warping, hydraulically glued), hydroplaned, extensive formaldehyde free timber protection primer and final coat (water-based paint)
Interior finish	White colour similar to RAL 9016	Varnished natural pine
Opening	Chain motor at the top of the window	Chain motor at the top of the window
Cleaning position	Manual securing	Manual securing
Ventilation	Continuously variable	Continuously variable
Air tightness	Double air tightness joint	Double air tightness joint



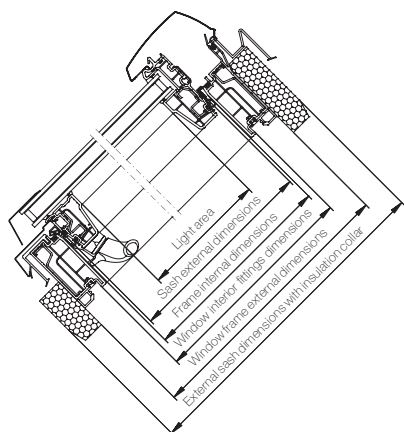
Ventilation
Easy and practical



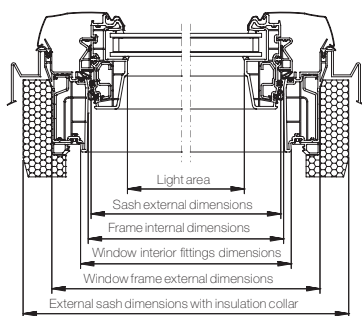
Easy and safe cleaning
through self-adjusting cleaning position

Window size	Window frame external dimensions in mm (W x H)	External sash dimensions with insulation collar in mm (W x H)	Window interior fittings dimensions in mm (W x H)	Light area K (PVC) in mm (W x H)	Light area H (timber) in mm (W x H)
5/7	540/780	600/840	480/720	382/620	382/620
5/9	540/980	600/1040	480/920	382/820	382/820
7/9	740/980	800/1040	680/920	582/820	582/820
7/11	740/1180	800/1240	680/1120	582/1020	582/1020
7/14	740/1400	1000/1240	680/1340	582/1240	582/1240
9/11	940/1180	1000/1240	880/1120	782/1020	782/1020
9/14	940/1400	1000/1460	880/1340	782/1240	782/1240
11/11	1140/1180	1200/1240	1080/1120	982/1020	982/1020
11/14	1140/1400	1400/1400	1080/1340	982/1240	982/1240

Cross Section A-A



Cross Section B-B



Cross Sections in PVC

	Standard unit	Norm	WDT R45 PVC	WDT R45 Timber
Glazing type			blueLine	blueLine
Thermal insulation value of window with IC	UW in W/m²K	EN 12567-2	1.3	1.3
Thermal insulation value of window without IC	UW in W/m²K	EN 12567-2	1.4	1.5
Sound insulation	RWP (C; Ctr)	EN 20140-2	32 (-1 ; -6)	32 (-1 ; -4)
Air permeability class		2 EN 12207	Class 4	Class 3
Thermal insulation value of glazing with IC	Ug in W/m²K	EN 673	1.1	1.1
Thermal insulation value of glazing without IC	Ug in W/m²K	EN 673	1.0	1.1
Total energy permeability with IC	g in %	EN 410	64	64
Total energy permeability without IC	g in %	EN 410	52	64

blueLine (glazing 5): Safety and thermal insulation glazing

IC: Insulation collar