Date: March 5. 2014
Created by: WQ

VELUX®

Inspections Division
Date: 05/05/14

FS A21 Product Data Sheet

Starting Production Code: 34AX08A

Description	General	FS - Fixed Deck Mounted Skylight, consisting of the following integrated components – an interior condensation drainage gasket, pre-finished white wooden frame, exterior maintenance free aluminum cladding and counter flashing, corner keys, and a insulating thermal pane glass unit with two seals, warm edge spacer system, three coats of low e silver to increase visible light transmittance while reducing solar heat. Primary seal between glazing and cladding is a silicone based glazing sealant. And lastly, the skylights are mounted to the roof deck by fastening the continuous deck seal mounting system with durable foam seal directly to the roof deck.
	Variant	FS xxx 200xB
Installation	Instructions	Installation Instructions included in every box and are listed at www.VELUXusa.com or contact VELUX at 800-888-3589. Installation instructions provided with each unit. VAS 452197
	Applications	Single unit and combi applications.
	Orientation	The skylight has a specific top and bottom and can not be rotated.
	Roof Pitch	0° - 10° Install with site built curb to elevate the pitch of the glass to 14 degrees. Then install a VELUX ECB counter flashing kit to create a water tight joint between the skylight and the site built curb. Drawings and instructions are available on the VELUXusa web site.
		14° - 85° Mount the skylight directly to the roof deck by aligning and securing the continuous deck sealing mounting system direclty to the roof deck.
		Under 20° Condensation drippage from the pane interior can be expected.
Compatibility	Flashings	EDL - single unit installation with thin roofing material (Shingles, Slates).
		EKL - side by side and or over and under combinations with thin roofing materials
		EDW - single unit installation with high (tile) profile roofing material
		EKW - side be side and or over and under combinations with high profiled (tile) roofing materials
		EDM - single unit installation with metal roofing panels.
		ECB - site build curb installations with roof pitch less than 14 degrees.
	Interior Accessories	Manual & Electric - Blackout blinds, Roller blinds, Venetian Blinds. Solar - Blackout blinds, Roller blinds

Date: March 5. 2014
Created by: WQ

VELUX®

Inspections Division
Date: 05/05/14

FS A21 Product Data Sheet

Starting Production Code: 34AX08A

Materials	Wood	Ponderosa pine finished white in the factory or as a special order, natural wood with a short term colorless wood perservative . Stain grade units are available as special order.
	Cladding	Lacquered aluminum, neutral gray color with Kynar 500 top finish to prevent fading. 0.065mm thick.
		Copper - untreated mill finish.
		Special color cladding not available.
	Glazing	Standard stocked glazing are type 04, 05, 06, 10. Contact VELUX for stocked sizes of 06 & 10 glazings.
		Consult with customer service for special glazing options and delivery.
		05 - A LoE3 double sealed insulated panes filled with warm edge technology, stainless steel spacer, 95% Argon gas and coated with three layers of microscopic silver particles to increase thermal performance. This glazing in improved over prior in that it allow in more visible light while blocking out more solar heat gain (spectrally selective). Replaces type 75 comfort. Over all pane thickness is 17.2mm.
		04 - LoE3 Laminated - All the benefits of the 05 LoE3 Glass plus a laminated interior pane for safety and maximum protection from both heat gain and fading with Neat coated exterior. Replaces type 74 Comfort Plus. Over all pane thickness is 17.6mm. Laminate
		06 - Impact - Laminated heat strengthened with tempered LoE3 with Neat coated exterior. Over all pane thickness is 18.2mm. Laminate material is 0.90 PVB
		08 - White laminated - Laminated heat strengthened with tempered LoE3. Same as 04 but a white inner layer. Over all pane thickness is 17.6mm. Laminate material is 0.30 PVB.
		10 - Snow load - Laminated tempered with tempered LoE3 with Neat coated exterior. Over all pane thickness is 18.2mm. Laminate material is 0.30
	Gaskets	Patented engineered rubber gasket gaskets to prevent air infiltration and water penetration. Primary seal at glazing and cladding is silicone based glazing sealant.
	Deck Seal Mounting Flange	Pre-engineered Deck Seal mounting system with a anti corrosive coating. The Deck Seal mounting system is pre-attached all the way around the perimeter of the skylight and has a durable closed cell foam that seals the skylight to the roof deck. Deck seal size: 1-1/4" up the frame and 1-1/4" away from the skylight frame. Flange attached to roof decking with 1-1/4" ring shank nails provided with skylight unit.

Date: March 5. 2014
Created by: WQ

VELUX®

Inspections Division
Date: 05/05/14

FS A21 Product Data Sheet

Starting Production Code: 34AX08A

Sizes	Standard Sizes	A06, C01, C04, C06, C08, C12, D26, D06, M02, M04,M06, M08, S01				
	Special sizes	Not available				
	Special color	Special color cladding not available				
	Rough Opening Dimensions	**Size**	**Width**		**Size**	**Height**
		A06	14.1/2"		D26	22 15/16"
		C01, C04, C06, C08	21"		C01, S01	26 7/8"
		D25, D06	22 1/2"		M02	30"
		M02, M04, M06, M08	30 1/16"		C04, M04	37 7/8"
		S01, S06	44 1/4"		A06 C06, D06, M06, S06	45 3/4"
					C08, M08	54 7/16"
					C12	70 1/4"
Certification	General	Hallmark certified, Florida Product approval. Exceeds International Building Code (IBC), International Residential Code (IRC) and International Energy Conservation Code (IECC).				
	Air, water, Structural	WDMA Hallmark Certification.				
		Architectural Testing Inc Code Compliant Research Report CCRR				
	Thermal	NFRC certified and labeled to Exceed Energy Star U-value and Solar Heat Gain (SHGC) requirements for all climate zones.				
Product Warranty	Frame	10 years from the date of purchase, VELUX warrants that the skylight will be free from defects in material and workmanship				
	Glass	20 years from the date of purchase, VELUX warrants that the insulated glass pane will not develop a material obstruction of vision due to a failure of the glass seal.				
	Accessories	5 years from the date of purchase, VELUX warrants that VELUX blinds and control systems will be free from defects in material and workmanship.				
	Installation	10 Years from the date of installation provided the skylight is installed with the three layers of protection per the manufactures instructions.				
Changes from Earlier Versions	Exterior	N/A				
	Interior	N/A				
Type Sign	Example	FS C06 2004 01AR05A				
	Location	Top left corner from out on the roof.				
Other Information	Features & Benefits					