



FCM Product Data Sheet

Starting Production Code: 43AX10A

Description	General	FCM Fixed Curb Mount Skylight that mounts to a site built curb (residential curbs typically 2x4 or 2x6). Fixed skylight, provided with various glazings, is approved for all wind zones; and manufactured with an aluminum profile with an insulated glass unit. Intergral gasket prevents air and water infiltration while allowing the removal of interior condensation.	
	Variant	FCM xxxx 00yyz (xxxx = size of unit) (yy = glazing) (z = generation code)	
Installation	Instructions	Installation instructions provided - VAS 452846 (US), VAS 452195 (AUS, NZ)	
	Orientation	No designated top, bottom, or sides for installation in any direction	
	Applications	Single unit applications only (combi applications not possible) 0 degrees to 60 degrees, use standard installation procedure Above 45 degrees, use water diverter as illustrated in installation instructions; water diverter provided by installer	
Compatibility	Flashings	Applications less than 10 degree roof pitch - flashing provided by others	
		ECL - Engineered flashing for single installation with thin roofing material for roof pitch above 10 degrees	
		ECW - Engineered flashing for single installation with tile roofing material for roof pitch above 14 degrees	
	Interior Accessories	Accessory Tray; mounts to curb; allows for installation of blinds	
		FSCC - Solar powered Room darkening - double pleated blind	
		FSLC - Solar powered Light filtering - single pleated blind	
		DSC - Solar powered Blackout - flat blind	
		RSC - Solar powered Light filtering - flat blind	
		FHCC - Manually Operated Room darkening - double pleated blind	
		FHLC - Manually Operated Light filtering - single pleated blind	
		RFC - Manually Operated Light filtering - flat blind	
DKC - Manually Operated Blackout - flat blind			
PAC - Manually Operated Venetian blind			
Materials	Corner Keys	One at each corner, Made of ASA Luran in neutral grey finish	
	Cladding	15 gauge, 1.5 mm (0.06") roll formed aluminum (3105-H22) with Cool grey finish	
	Glazing	Standard stocked glazings are type 05, 04, 06, 08, 29. Consult VELUX for stocked sizes for each glazing. Consult with Customer Service for special glazing options	
		05 - A LoE3 double sealed insulated panes with warm edge technology, stainless steel spacer, 95% argon gas and coated with three layers of microscopic silver particles to increase thermal performance. Overall pane thickness is 17.2 mm.	
		05C - A LoE3 double sealed insulated panes with warm edge technology, stainless steel spacer, 95% argon gas and coated with three layers of microscopic silver particles to increase thermal performance. Overall pane thickness is 13.2 mm. (Canada)	
		04 - LoE3 Laminated - All the benefits of the 05 LoE3 glazing, plus a laminated interior pane for safety. Features Neat® glass coating on exterior pane that stays cleaner, longer. Overall pane thickness is 17.6mm. Laminated material. 0.030" PVB.	
		06 - Impact - Laminated heat strengthened with tempered LoE3. Features Neat® glass coating that stays cleaner, longer. Over all pane thickness is 28.4 mm. Laminated interlayer is 0.090" PVB.	
		08 - White laminated - Laminated heat strengthened with tempered LoE3. Same as 04 but a white inner layer. Features Neat® glass coating on exterior that stays cleaner, longer. Overall pane thickness is 17.6mm. Laminated interlayer is 0.030" PVB.	
		29 - Triple Pane - Laminated heat streghtened with tempered LoE3 with Neat coated exterior. Over all pane thickness is 28.4 mm. Laminate material is 0.030" PVB.	
		30 - Triple Pane - Tempered LoE3 with Neat coated exterior. Over all pane thickness is 27.7 mm. Laminate material is 0.030" PVB.	
	Gasket	Black TPE rubber gasket to prevent air infiltration and water penetration.	
	Seal	Primary seal at glazing and cladding is structural silicone.	
	Fasteners	#8 x 1-3/4" stainless steel, black coated screw. Attaches to skylight curb.	
Skylight Size		No. of Fastners	
1430, 1446, 2222, 2230, 2234, 2246		12	
2270, 3030, 3046, 3434, 3446, 4646	14		

Sizes	Standard Sizes	1430, 1446, 2222, 2230, 2234, 2246, 2270, 3030, 3046, 3434, 3446, 4646																																		
	Cross Section																																			
	Dimensions	<table border="1"> <thead> <tr> <th>Size</th> <th>Inside Curb</th> <th>Outside Curb</th> <th>Make Size</th> </tr> </thead> <tbody> <tr> <td>14</td> <td>14-1/2"</td> <td>17-1/2"</td> <td>18-5/8"</td> </tr> <tr> <td>22</td> <td>22-1/2"</td> <td>25-1/2"</td> <td>26-5/8"</td> </tr> <tr> <td>30</td> <td>30-1/2"</td> <td>33-1/2"</td> <td>34-5/8"</td> </tr> <tr> <td>34</td> <td>34-1/2"</td> <td>37-1/2"</td> <td>38-5/8"</td> </tr> <tr> <td>46</td> <td>46-1/2"</td> <td>49-1/2"</td> <td>50-5/8"</td> </tr> <tr> <td colspan="2">Custom Sizes (max)</td> <td>Width</td> <td>50-3/4"</td> </tr> <tr> <td colspan="2"></td> <td>Height</td> <td>76-1/2"</td> </tr> </tbody> </table>	Size	Inside Curb	Outside Curb	Make Size	14	14-1/2"	17-1/2"	18-5/8"	22	22-1/2"	25-1/2"	26-5/8"	30	30-1/2"	33-1/2"	34-5/8"	34	34-1/2"	37-1/2"	38-5/8"	46	46-1/2"	49-1/2"	50-5/8"	Custom Sizes (max)		Width	50-3/4"			Height	76-1/2"		
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Certification	General	WDMA Hallmark, Florida Product Approval, Texas Dept. of Insurance																																		
	Structural Uplift/Download	Certified through WDMA/Hallmark, LA Research Report, IAPMO-ES																																		
	Thermal	NFRC certified and labeled to exceed Energy Star U-value and Solar Heat Gain (SHGC) requirements for all US climate zones.																																		
	Impact/Hurricane	WDMA Hallmark, Florida Product Approval, Texas Dept. of Insurance, Miami-Dade NOA.																																		
Warranty	Installation	10 years from the date of purchase; VELUX No Leak Warranty; warrants skylight installation.																																		
	Skylight	10 years from the date of purchase; VELUX warrants that the skylight will be free from defects in material and workmanship.																																		
	Glass Seal	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.																																		
	Hail Warranty	10 years from the date of purchase; VELUX warrants laminated glass panes against hail breakage.																																		
	Accessories and Electrical Components	5 years from the date of purchase, VELUX warrants that VELUX blinds and control systems will be free from defects in material and workmanship.																																		
Changes From Earlier Versions	Exterior	Cool gray color - NCS S-7500 N, nearest RAL = 7043																																		
	Interior	N/A																																		
Type Sign	Example	FCM 2222 0004D 01BF05																																		
	Location	Etched into exterior frame cover.																																		
Other Information	Features & Benefits																																			