



Fenestra 24V

Luminaire for outdoor use for installation in a window compartment.

Description

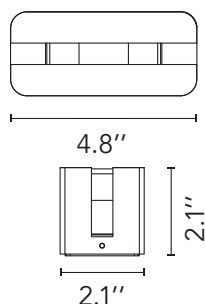
Thanks to its compact shape, Fenestra integrates with the structure of the window sill, adapting to the angles and to every specific installation condition, with a light that marks the entire perimeter of each and every space in a precise, controlled manner, highlighting volumes and without contaminating the surrounding spaces with light.



Lamp

Lamps Type	LED
Wattage	4W
Initial Lumens	274 lm, 304 lm, 334 lm
Color Temperature	2700, 3000K, 4000K
Color rendering	CR180

Dimensions



Optical

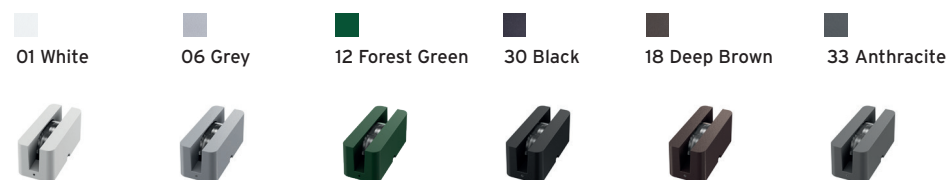
Beam Angle	151° - 10°
Lighting Type	Direct
Light Distribution	Asymmetric

Physical

Material	Aluminum
Aiming	Fixed
Weight	1.1 Pounds
Ingress Protection Rating	IP65

Finishes

Painted lacquer



Certifications



Suitable for Wet locations

Photometrics

For current IES files please visit architectural.flosusa.com

Warranty

2 years from date of sale.

Installation type	Surface Mounted
Environment	Outdoor / Wet location



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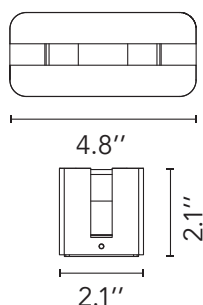
Electrical & Control

Input fixture Voltage	24V
Control	Forward + Reverse Phase, 0-10V Dimming
Driver	Remote Class 2
Input Driver voltage	120V-277V
Output Driver voltage	24V

Performance

Maximum delivered output	165lm, 183lm, 201lm
Efficacy	56.3 lm/W

Dimensions



Notes

Recommended connections for in-ground installations with a 2-way terminal block 4-pole IP68 water stop on 24V side. Order separately (by others).

All drivers should be installed in weather resistant enclosures (by others) or indoors. Silicon filled wire-nuts, should be used on all line-voltage connections to avoid syphoning moisture to electrical components.

Painted versions are an exterior rated epoxy polyester powder coat finish for superior strength, heat and UV resistance.

During installation and maintenance avoid scratching or damaging the finish as it may result in premature corrosion of metal surfaces. Avoid cleaning fixtures with corrosive chemicals as it may result in voiding the warranty.

Certifications



Class 2

Photometrics

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Warranty


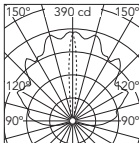

















2 years from date of sale.

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How to specify

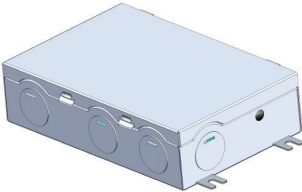

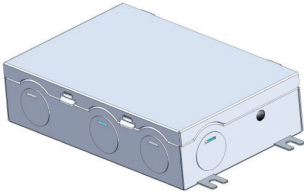


Part Number	Finish	CCT	Watts	Initial Lumens	Delivered Lumens	Beam Angle	CRI	Photometrics
F2250U01	 White	2700	4W	274	165	151°-10°	80	 <div>Beam Angle: 10° h(m) E(lx) D(m) 1 390 7.63 2 97 15.26 3 43 22.89 4 24 30.52 5 16 38.15</div>
F2250U06	 Grey							
F2250U33	 Anthracite							
F2250U30	 Black							
F2250U18	 Deep Brown							
F2250U12	 Forest Green							
F2251U01	 White	3000	4W	304	183			
F2251U06	 Grey							
F2251U33	 Anthracite							
F2251U30	 Black							
F2251U18	 Deep Brown							
F2251U12	 Forest Green							
F2252U01	 White	4000	4W	334	201			
F2252U06	 Grey							
F2252U33	 Anthracite							
F2252U30	 Black							
F2252U18	 Deep Brown							
F2252U12	 Forest Green							

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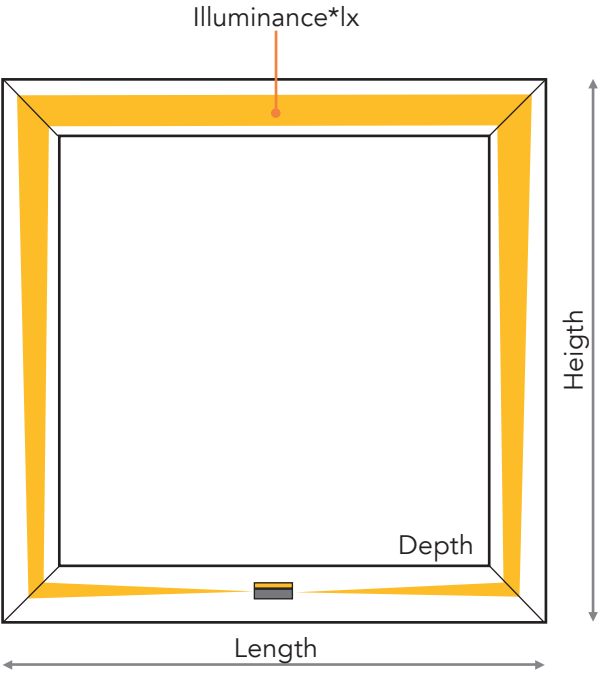
Drivers

LED Driver, 24VDC, 96W, Variable dim Triac, 0-10V Dimming PWM, 120-277VAC Input ,indoor -outdoor enclosure, UL LISTED	LED Driver, 24VDC, 60W, Variable dim Triac, 0-10V Dimming PWM, 120-277VAC Input ,indoor -outdoor enclosure, UL LISTED	LED Driver, 24VDC, 30W, Variable dim Triac, 0-10V Dimming PWM, 120-277VAC Input ,indoor -outdoor enclosure, UL LISTED
LEDSB96W24V-VAR-Y01	LEDSB60W24V-VAR-Y01	LEDSB30W24V-VAR-Y01
		

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Luminaire for outdoor use for installation in a window compartment.

How to specify



Depth fixed@ 300 mm;
Luminaire positioned in the middle of the window depth

Value	Lenght	Height	Illuminance*lx U (lx min/lx med)
✓ Correct values	900mm	900mm	165 0,25
✓ Correct values	1200mm	1200mm	111 0,33
✓ Correct values	1200mm	1600mm	77 0,55
✓ Correct values	1600mm	1600mm	70 0,47
— Limit values	2000mm	2000mm	48,5 0,54
↓ Low values*	2500mm	2500mm	32,5 0,60
↓ Low values*	3000mm	3000mm	23,2 0,63

Low values* = to be evaluated based on the project

Fenestra

Luminaire for outdoor use for installation in a window compartment.

Lighting Calculation - Correct Values

Depth fixed@ 300 mm; Luminaire positioned in the middle of the window depth.

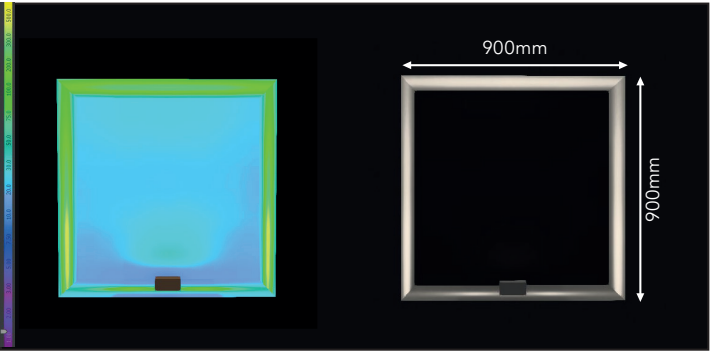


Table with 4 columns: Value, Lenght, Height, Illuminance*Ix U (Ix min/Ix med). Row 1: Correct value, 900mm, 900mm, 165 0,25.

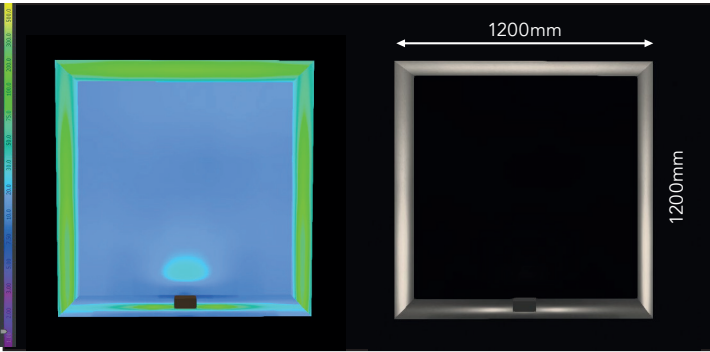


Table with 4 columns: Value, Lenght, Height, Illuminance*Ix U (Ix min/Ix med). Row 1: Correct value, 1200, 1200, 111 0,33.

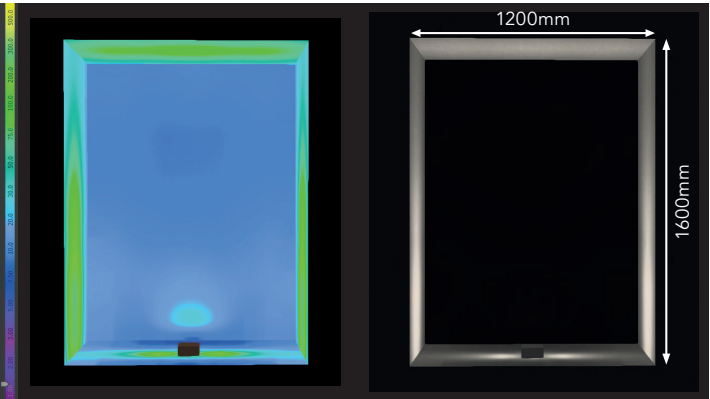


Table with 4 columns: Value, Lenght, Height, Illuminance*Ix U (Ix min/Ix med). Row 1: Correct value, 1200mm, 1600mm, 77 0,55.

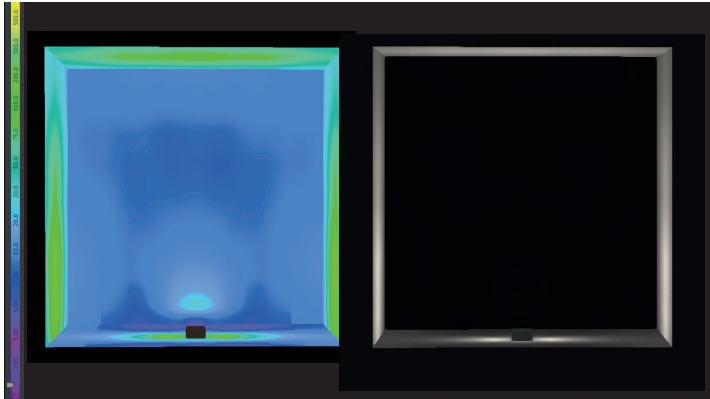


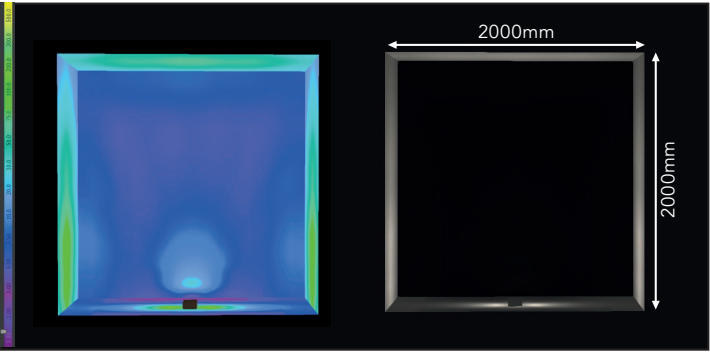
Table with 4 columns: Value, Lenght, Height, Illuminance*Ix U (Ix min/Ix med). Row 1: Correct value, 1600mm, 1600mm, 70 0,47.

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Lighting Calculation - Limit Values

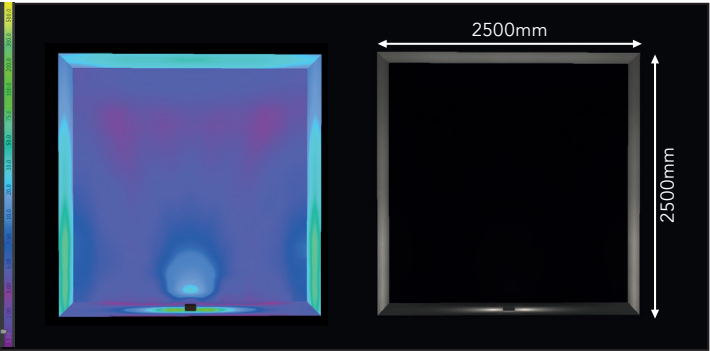
Depth fixed@ 300 mm; Luminaire positioned in the middle of the window depth.



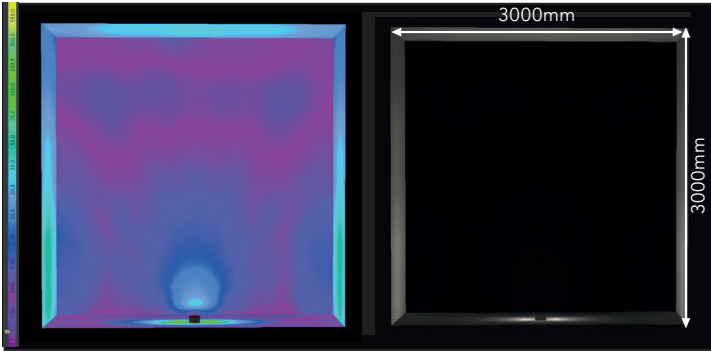
Value	Lenght	Height	Illuminance*IxU (lx min/lx med)
— Limit values	2000mm	2000mm	48,5 0,54

Lighting Calculation - Low Values

Depth fixed@ 300 mm; Luminaire positioned in the middle of the window depth.



Value	Lenght	Heigh	Illuminance*IxU (lx min/lx med)
↓ Low values*	2500mm	2500mm	32,5 0,60



Value	Lenght	Height	Illuminance*IxU (lx min/lx med)
↓ Low values*	3000mm	3000mm	23,2 0,63

Low values* = to be evaluated based on the project

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Lighting Calculation - Correct Values ✓

In case of RIBBON WINDOWS: ideal interdistancebetween luminaires about 1600 mm

Depth fixed@ 300 mm; Luminaire positioned in the middle of the window depth:

