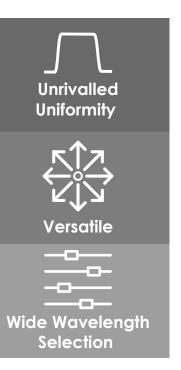
VILLUMINATORTM Top Hat Illumination Modules

We offer a range of high performance and innovative flat top illumination modules for the most demanding optical illumination applications.





X VIL350X



ABOUTOUR **PRODUCT**

Featuring our innovative patent-pending flat-fielding technology, by using LEDs as incoherent light sources, Villuminators™ flat top illumination modules are compact long-lasting luminaires with many choices of wavelengths that provide uniform top hat illumination, making them ideal for a variety of applications, including fluorescence imaging, machine vision, projection, display, and more.

Features

- Superior Top Hat Uniformity (>95%)
- Versatile to fit many applications
- Wide Selection of wavelengths
- Long-lasting luminaires
- Customizable

Specifications	VIL120X	VIL151X	VIL350X⁵	
Uniformity ¹		> 95 %		
Flat Field Beam Diameter ²	Ø13mm	Ø21mm	Ø35mm	
Typical Optical Power	Up to 140mW	Up to 240mW	Up to 6W	
Working Distance ³	16mm	19mm	23mm	
Weight	140g	150g	580g	
Dimension, mm	Ø38, Length 77	Ø40, Length 77	W97 x D81 x H106	
Max Current/Voltage	1.5A	1.5A / 4V		
Cooling	Passive	Passive Heatsink		
Accessories	·	Field Aperature attachment (VIL-FA-1) ⁴ LED Driver (VLD0201)		

^{1, 2, 3, 4} Refer to page 2 for more information





LinkedIn: www.linkedin.com/company/v-bmb/

⁵Currently only offered with white LED and not for microscopy applications

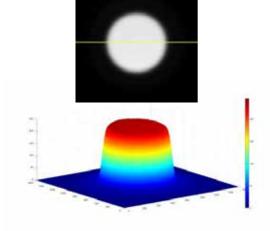
Precision Control Solutions Made Simple

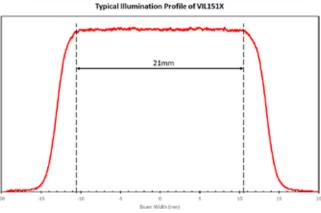
Part Number and Ordering Information



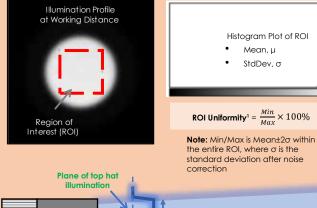
Only for VIL120X and VIL151X modules

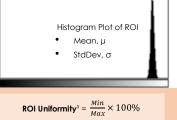
Identifier	Wavelength/Color	Identifier	Wavelength/Color
Α	5700K (Cool White)	L	500 (Cyan)
В	4000K (Neutral White)	М	530 (Green)
С	2700K (Warm White)	N	554 (Lime)
D	365 (Ultra Violet)	0	590 (Amber)
Е	385 (Ultra Violet)	Р	615 (Red-Orange)
F	395 (Violet)	Q	630 (Red)
G	425 (Violet)	R	660 (Deep Red)
Н	450 (Royal Blue)	S	730 (Far Red)
K	470 (Blue)		

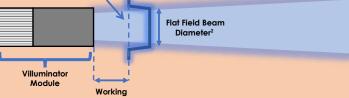




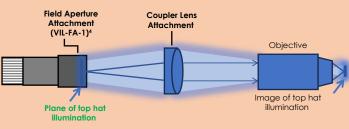
Definitions





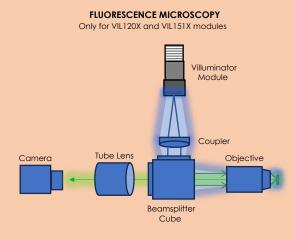


Accessories

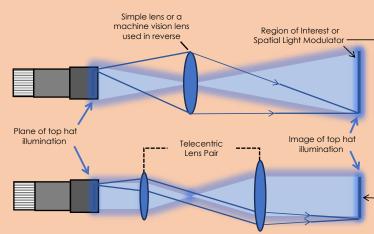


General example for microscopy

Applications



GENERAL PROJECTION



VBMB PTE LTD (V-BMB)



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