



BOLB

Beyond Safe

1×12 S3535-H 265 iUVC™ Module

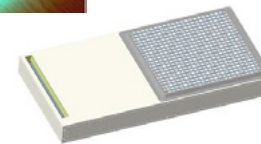
Designed and Manufactured in Silicon Valley
January 2025

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Bolb Introduction 1x12 S3535-H 265 iUVC™ Module

- Turnkey UVC LED module to be easily integrated in new and existing designs
- Using Bolb's best-in-class UVC LEDs, with dedicated reflector, state of the art cooling and housing
- Targeted applications
 - Food safety
 - Handheld surface disinfection
 - Air troffers
 - Upper air disinfection UVGI, etc.
- Simple – out of the box – experience
- Plug and play
- 265nm, 10k hrs. L70



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Bolb 1×12 S3535-H 265 iUVC™ Module

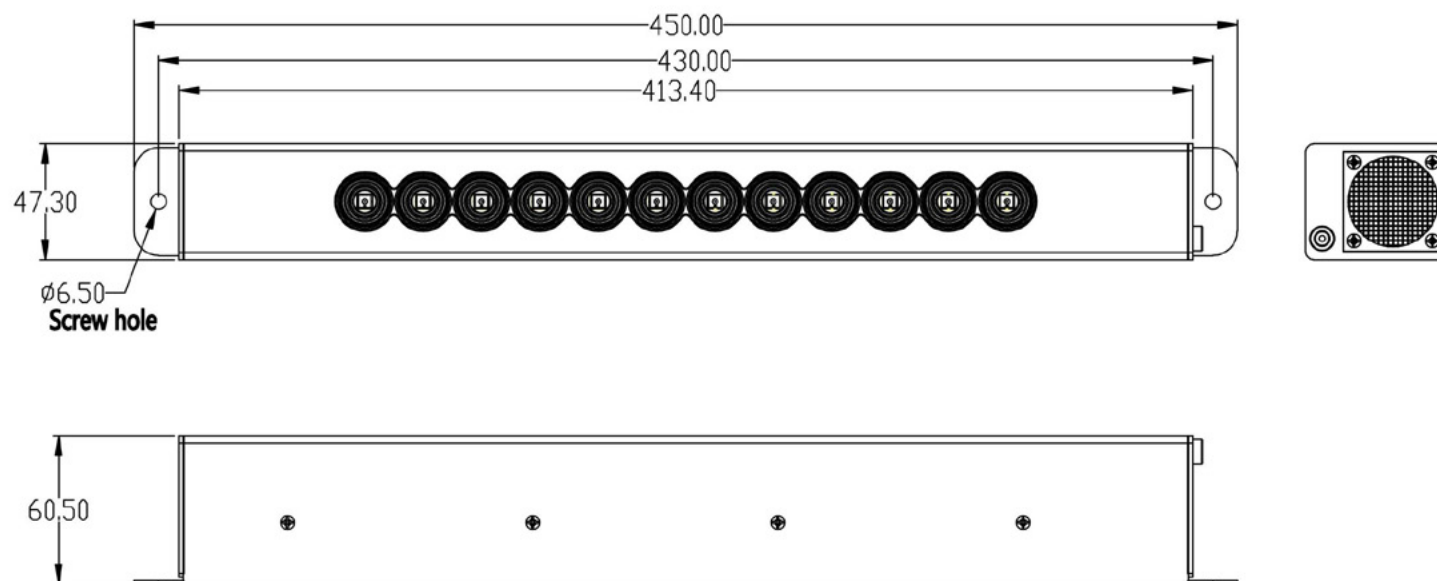


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Bolb Product views (1)



Size L W H : 450 x 47.3 x 60.5mm

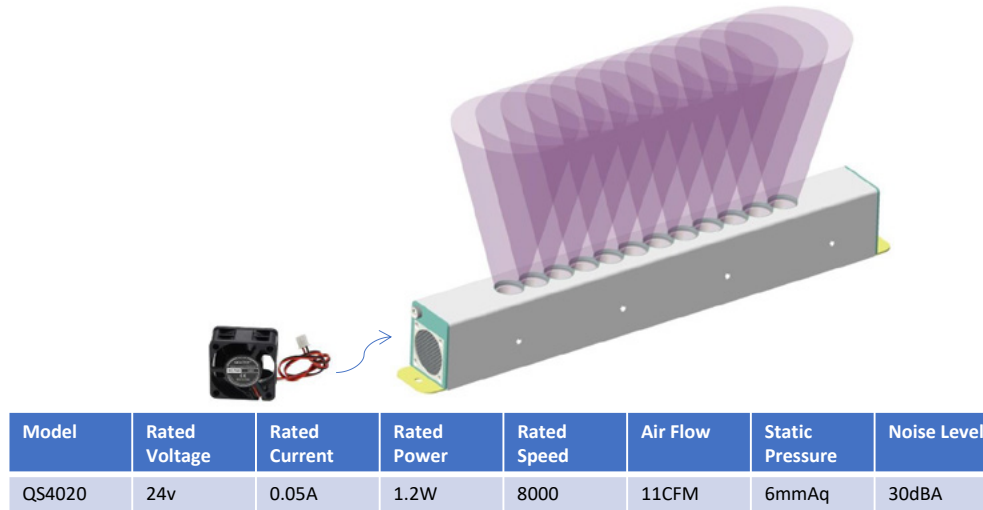
UNIT: mm

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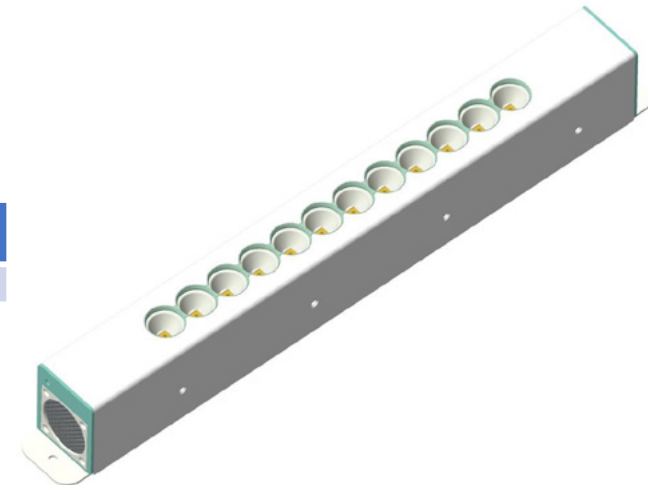


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Bolb Product views (2)



Fan parameters



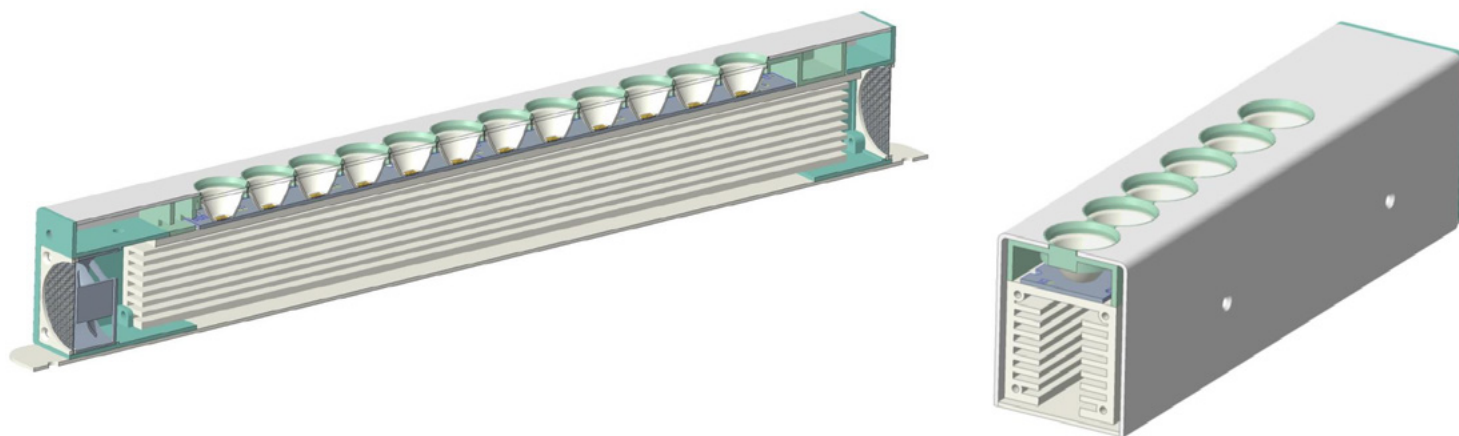
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Bolb Product views (3)

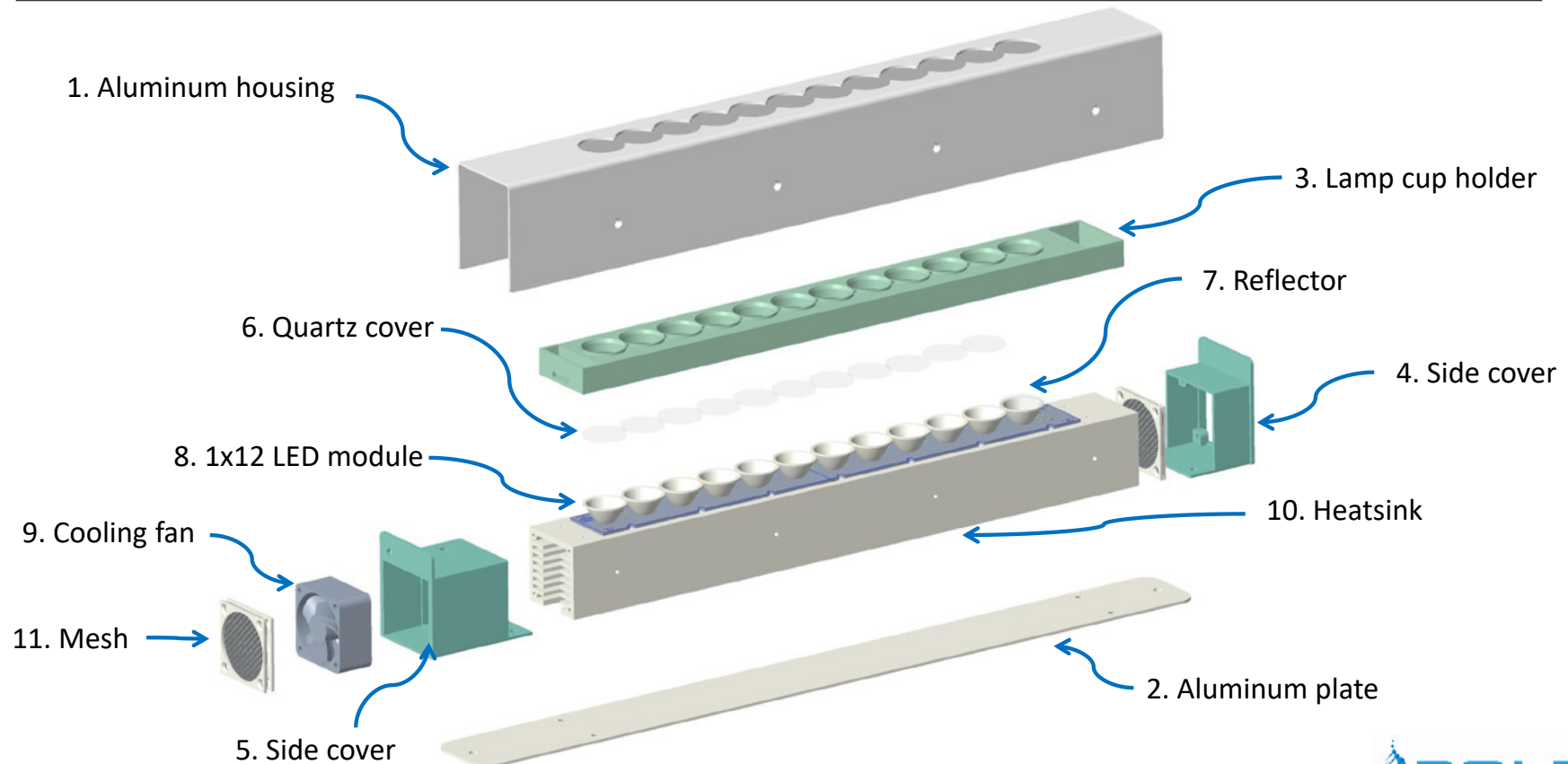


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Bolb Exploded view



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Bolb Power input

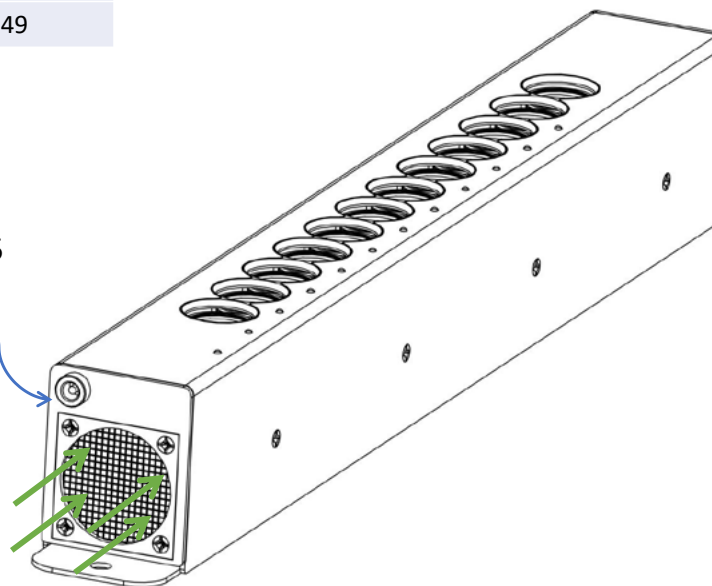
Rated Voltage	Rated Power	Weight(	Size	Noise Level
V	W	G	cm	dBA
DC24V	27W	1320	45 x 4.73 x 6.05	49



Optional AC/DC Adapter: DC24, 1.5A

DC 5.0 x 2.5

Air inlet



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Bolb Performance Characteristic*

Table 1: Typical performance at an ambient temperature of 25 deg C and using active cooling

Parameter	Symbol	Unit	Part Number	Min	Typ	Max
Peak Wavelength ¹	λ_p	nm	12"M-DR1A-W2XX-P1200-V24#HSH2	263	265	273
Radiant Flux ¹	ϕ_e	W	12"M-DR1A-W2XX-P1200-V24#HSH2	0.72	0.87	1.02
Forward Voltage ^{1,2}	V_f	V	12"M-DR1A-W2XX-P1200-V24#HSH2	24	26	28
Forward Current ⁴	I_f	A	12"M-DR1A-W2XX-P1200-V24#HSH2	0.9	1.0	1.1
Spectrum Half Width ¹	$\Delta\lambda$	nm	12"M-DR1A-W2XX-P1200-V24#HSH2		11	
Viewing Angle, FWHM	$2\theta_{1/2}$	°	12"M-DR1A-W2XX-P1200-V24#HSH2		10 (TBD)	
On-Axis Irradiance at 1m ⁵	I	$\mu\text{W}/\text{cm}^2$	12"M-DR1A-W2XX-P1200-V24#HSH2	340	467	569
Thermal Resistance ³	R_{j-b}	°C/W	12"M-DR1A-W2XX-P1200-V24		<10	

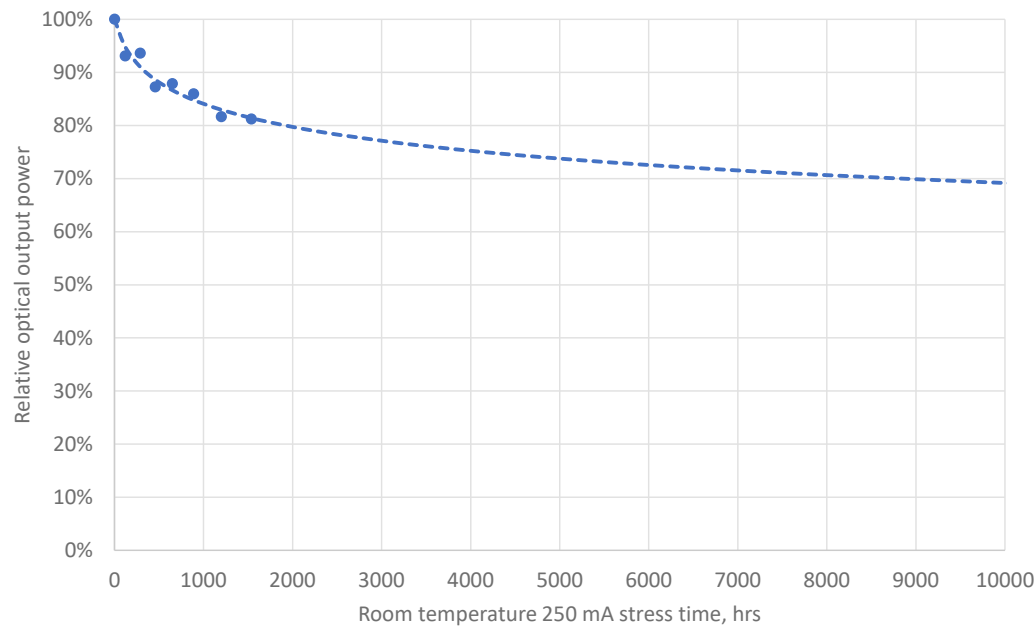
*subject to change

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Bolb Real World Lifetime! Measured and Documented!



- Ta=25°C
- Solder point temperature = 38±2°C
- 40% RH Ambient Lifetime Test
- Average performance 90-110mW packaged @ 250mA
- Vf change ≤+0.3V after 5,000 hrs.

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