



WORKSWELL BB FIXED

FIXED TEMPERATURE BLACK BODY

Datasheet

Release date: 3rd of March 2021

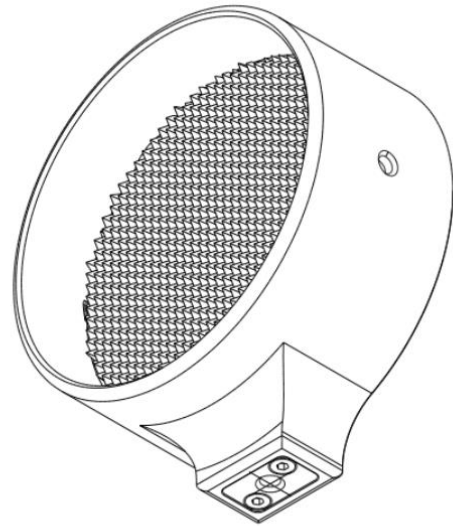
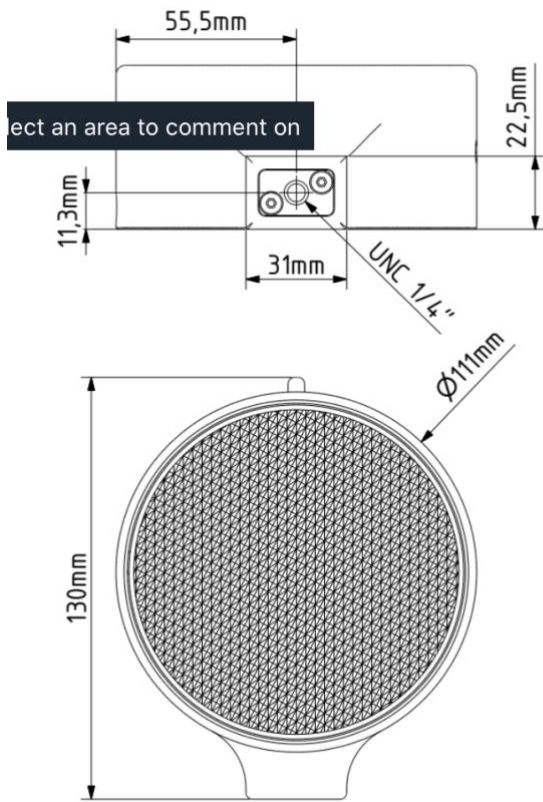
Revision Number: 210303

BB FIXED technical specification

BB FIXED Key features description	
Fixed temperature values	35 °C - 60 °C in steps of 5 °C (95 °F – 140 °F in steps of 9 °F) <i>(the temperature value is fixed from production and cannot be changed by user)</i>
Big measurement area	100mm stabilized diameter area with pyramid shapes for increasing stability of emission and decreasing the reflective effects
Outstanding stability	Temperature stability of the central area better than: ± 0.05 °C / hour at 40°C set-value (± 0.09 °F / hour at 104 °F set-value)
BB FIXED specification	
Surface emissivity	0.95 ± 0.005 for LWIR spectrum
Fixed temperature values	35 °C - 60 °C in steps of 5 °C (95 °F – 140 °F in steps of 9 °F) <i>(the temperature value is fixed from production and cannot be changed by user)</i>
Aperture diameter	100mm
Long-term time stability	Better than ± 0.08% (Precise PID regulation with 16 single thermal elements, measured/checked by certified external PT100 probe)
Space thermal non-uniformity	≤ 0,3 °C (0.5 °F) (temperature dispersion)
LED signalization	LED signalization for different modes (warming, stabilization, cooling, electronics overheating)
Power supply, weight & dimensions	
Input supply voltage	24 VDC, Coaxial 2 x 6.4 mm, outer shell – GND, power supply adapter 110/230 VAC included in the package
Power consumption (avg.)	Max 24 W
Weight	< 400 grams
Dimensions (Diameter, Depth)	117 mm x 88 mm (without aluminium stand or cabling)
Mounting holes	1 x 1/4-20 UNC thread
Housing material	Plastic lightweight with aluminium parts
Environmental	
Operating temperature range	10 °C to +30 °C (50 °F to 86 °F)
Storage temperature range	-30 °C to +60 °C (-22 °F to 140 °F)
Relative humidity	Non condensing conditions
In the package	Black body, calibration certificate, power supply, transport box



BB FIXED drawings



Contact information

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