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ARCOPTIX ARCLIGHT-MIR & ARCLIGHT-NIR



ARCLIGHT-MIR with reflector fiber coupler



ARCLIGHT-NIR with lens fiber coupler

The Arcoptix ARCLIGHT-MIR & ARCLIGHT-NIR are versatile lamps optimized for the VIS-NIR (400 nm – 4,000 nm) or MIR (1-25µm) spectral ranges. The lamps feature an electronically stabilized power supply, a variable mechanical attenuator, and are supplied with a removable fiber coupler enabling free-space of fiber-coupled operation.

Specifications

Product code	ARCLIGHT-NIR	ARCLIGHT-MIR
Light emitting element	QTH (Halogen)	SiC globar
Source temperature [K]	2’850	1’550
Spectral range [µm]	0.4-4	1-25
Spectral range [cm^{-1}]	25’000-2’500	10’000-400
Rated lifetime [hours]	4’000	10’000
Removable fiber-optic coupler	NA = 0.25, CaF2 lens	NA = 0.3, gold-coated off-axis parabolic mirror
Power consumption [W]	20 (electrical)	
Power requirement	12V via OD 2.5mm/ID2.1mm power jack (100-240 VAC to 12 VDC converter included)	
Output beam diameter [mm]	12.7	
Operational temperature [°C]	5-40	
Attenuator	Manual Iris Diaphragm	
Dimensions [mm]	92x92x43 (w/o fiber coupler), 140x92x43 (w/ fiber coupler)	
Weight [kg]	0.4	

SPECIFICATIONS ARE SUBJECT TO CHANGES WITHOUT NOTICE
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