

MV-LDSS-H

Standard Spot Light

MV-LDSS-H standard spot light adopts efficient light-guiding design and highlight LED. With new shape and heat-dissipation design, the spot light features high stability and long service life.



Key Features

- The light outlet adopts efficient light-guiding design and highlight LED.
- Adopts compact size and high heat-dissipation structural design.
- Can be matched with telecentric series lenses.

Applicable Industry

Mark spot location, chip character detection, quality detection of electronic components, etc.

Naming Rule

MV - LDSS - H - 8 - 3 - *

LDSS: standard spot light

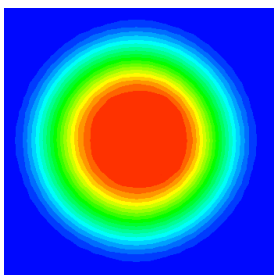
H: Hikrobot style series

8: optical outlet diameter

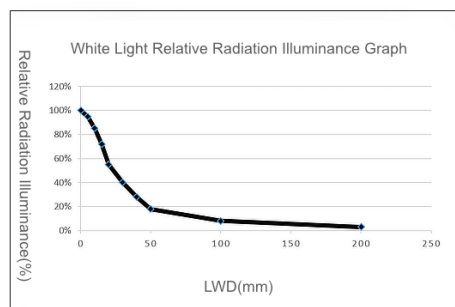
3: power

*: color

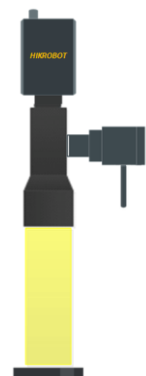
Illuminance Distribution Image



Relative Radiation Illuminance Curve Under White Light



Lighting



Specification

Parameter Model	Performance			Mechanical			Electrical feature			Irradiation	
	Color	Center illuminance/irradiance	Best working distance	Dimension	Optical outlet diameter	Weight	Power	Input current	Connector type	Safety class	Safety distance
MV-LDSS-H-8-3-W	White	> 20K lux @ WD = 100 mm	65 mm to 200 mm	59 mm × Ø24 mm	Ø8 mm	75 g	2 W	680 mA	SMR-03V-B	RG1	0.45 m
MV-LDSS-H-8-3-B	Blue	> 4K lux @ WD = 100 mm	65 mm to 200 mm	59 mm × Ø24 mm	Ø8 mm	75 g	2.1 W	680 mA	SMR-03V-B	RG2	0.55 m
MV-LDSS-H-8-3-R	Red	> 7K lux @ WD = 100 mm	65 mm to 200 mm	59 mm × Ø24 mm	Ø8 mm	75 g	1.7 W	680 mA	SMR-03V-B	No danger	/
MV-LDSS-H-8-3-G	Green	> 25K lux @ WD = 100 mm	65 mm to 200 mm	59 mm × Ø24 mm	Ø8 mm	75 g	2.1 W	680 mA	SMR-03V-B	No danger	/
MV-LDSS-H-8-3-Y	Yellow	> 20K lux @ WD = 100 mm	65 mm to 200 mm	59 mm × Ø24 mm	Ø8 mm	75 g	2 W	680 mA	SMR-03V-B	No danger	/
MV-LDSS-H-8-3-IR1300	IR1300	> 12 W/m² @ WD = 100 mm	65 mm to 200 mm	59 mm × Ø24 mm	Ø8 mm	75 g	1.1 W	800 mA	SMR-03V-B	RG1	0.45 m

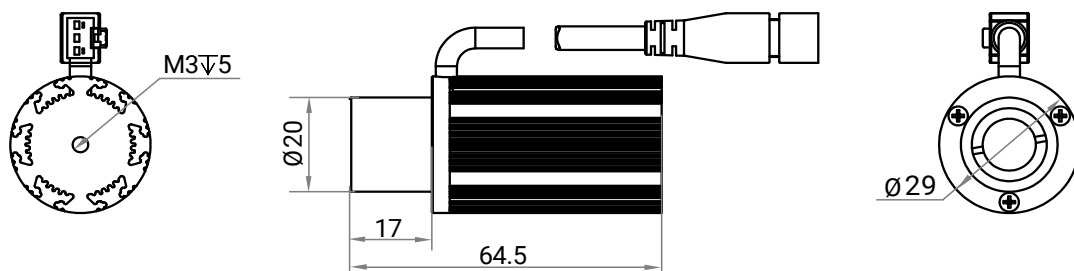
Other Parameters

Model Parameter	MV-LDSS-H Standard Spot Light
Performance	
Drive mode	Constant current
Wavelength	B: 465 nm to 475 nm R: 620 nm to 630 nm G: 515 nm to 530 nm Y: 580 nm to 595 nm IR1300: 1250 nm to 1350 nm
Color temperature	W: 6000K to 7000K
Mechanical	
Cable length	1 m
Cooling mode	Natural cooling
Temperature	Working temperature: 0 °C to 40 °C (32 °F to 104 °F) Storage temperature: -20 °C to 60 °C (-4 °F to 140 °F)
Humidity	20% RH to 90% RH (no condensation)

Note

Blue Light Hazard Label	Light Source Prevention
2类危险 RISK GROUP 2 警告：该产品可能有光辐射危害。 警告：灯工作时不能直视，可能伤害眼睛。 CAUTION Possibly hazardous optical radiation emitted from this product. Do not stare at operating lamp. May be harmful to the eyes.	- Measured at 200 mm distance, some models of this device have a retinal blue light hazard. Do not stare at an operating light source. - Protective measures like wearing safety goggles are required when installing, maintaining and debugging the device.

Dimension



Unit: mm

HIKROBOT

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