

Niethammer Spotlight

Zoom Follow Spotlight

MZU 106 D

MZU 256 D



ADB

Lighting Technologies

1200 W / 2500 W

MZU 106 D (HMI-RSI-MSI)

Article No. N106-001

MZU 256 D (HMI-RSI-MSR)

Article No. N256-001

Specifications

Optical System

- Spherical double-reflector system in electrolytically polished and anodised high purity aluminium in the 1200 W Version. Spherical cold light reflector of glass and opposing reflector in electrolytically polished and anodised high purity aluminium in the 2500 W Version.
- Predominant use of lenses with broadband anti-reflex coating.
- Aspherical condenser lens.
- Plano-convex intermediate lens in the lamp housing.
- Zoom optic with two lenses.
- Zoom displacement for focal distance adjustment and focusing through two operating knobs.
- Option: Manual colour changer can be inserted in the front cassette.

Electrical components

- Lamp holder for one-sided socketed 1.2 kW HMI-RSI or MSI Halogen metal vapour lamps with G 38 socket.
- Lamp holder for one-sided socketed 2.5 kW Halogen metal vapour lamps with G 38 socket.
- High-voltage ignition unit - hot ignition of the lamps is possible.
- Operating hours counter.
- Portable / traversable ballast with 3 m special connecting cable.
- Low-noise axial fan

Housing

The housing consists of two sections:

The lamp housing is equipped with a quad sliding diaphragm, a projection insert module for Gobo insert size A, an iris diaphragm and a protection device for the iris diaphragm in the closed position. The lamp housing cover can be swivelled back to provide rapid access to the lamp, lens and reflector system. A robust handle is provided on the rear wall of the housing.

The spotlight barrel is equipped with a front cassette, enabling two accessory insert modules in the 270 x 270 mm format, in accordance with DIN 15560, to be fitted. On the new 2000 model version, the barrel is provided with a hinged flap, enabling the lens to be cleaned easily.

The complete housing is provided with a heat and wear-resistant, anthracite coloured finish.

Mounting

- Swivel mounting device with ball bearings, permitting problem-free inclination of the follow spotlight about the centre of gravity. Using accessories, the centre of gravity can be adjusted exactly.
- The swivel mounting is combined with a rotating flange on ball bearings, enabling easy and play-free swinging of the unit.
- The angle of inclination is fixed by means of a clamping system with wear-resistant brake linings, which does not affect the locking device

- 5 holes in the fixing frame are provided for mounting on the spotlight base plate or for wall hooks to DIN 15560.
- Angle of inclination fixing is by means of a disk system, which does not affect the locking device.
- The ST 124 or ST 123 stands are suitable for upright mounting.
- A suspended installation, which is advantageous in many applications is also easily facilitated with this mounting.

Scope of delivery

The standard model is supplied with a ballast, special connection cable and connection lead with shock-proof plug, packaging and protective grid.

Optional accessories

- Manual colour changer
- colour scroller
- INGENIO®
- blackout diaphragm

Safety/Reliability

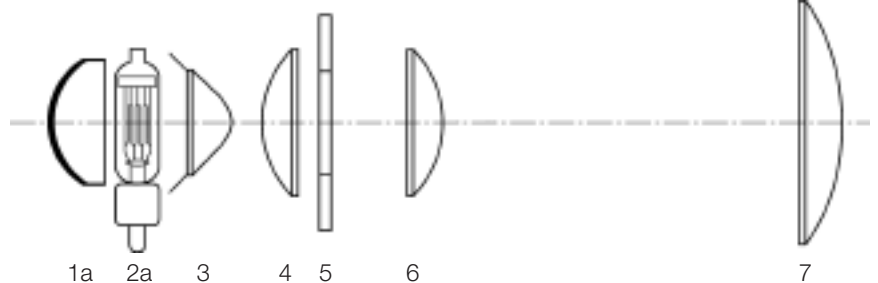
- On opening the lamp housing, an electrical safety cut-out is automatically tripped.
- The unit satisfies all European safety regulations (EN 60598-1, EN 60598-2-17, EN 55015 and EN 50082-1) and carries the CE symbol.
- The spotlight has no sharp corners and edges.
- All positioning and control elements are made from heat insulating materials.
- All metallic parts are corrosion protected.
- A self-activating locking leaf spring device prevents accessories from falling from the unit.
- An eyelet on the barrel mounting can be used for fixing the safety cable.

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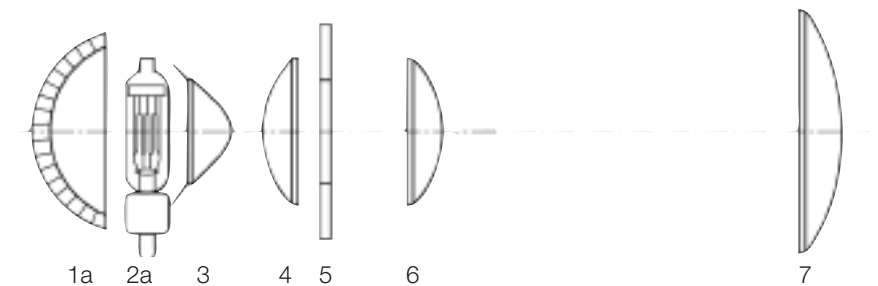
MZU 106 D

- 1a Spherical double reflector in polished and polished aluminium
- 1b Cold light reflector, Ø 130 mm with opposing reflector
- 2a 1.2 kW Halogen metal vapour lamp socketed on one side
- 2b 2.5 kW Halogen metal vapour lamp socketed on one side
- 3 Aspherical condenser lens 130-706, Ø 68 mm
- 4 Spherical intermediate lens 524-89, Ø 100 mm
- 5 Iris diaphragm
- 6 1 Zoom lens 130-643, Ø 114 mm
- 7 2 Zoom lenses 624-96, Ø 240 mm



MZU 256 D

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Technical Data

MZU 106 D 6°-17°

- For Halogen metal vapour lamps 1200 W, 230 V
- G 38 lamp holder
- With quiet-running fan
- Usable up to ca. 65 m
- Dimensions: (A x B x C): 1410 x 380 x 700 mm
- Weight: 95 kg

MZU 106 D

1200 W / 100.000 lm	Distance	(m)	10.0	15.0	20.0	30.0	40.0	50.0	60.0	70.0
min. opening angle: 6° I ax.= 2.620.000 cd	Ø Dia. Light circle	(m)	1.0	2.0	3.0	4.1	5.1	6.2	7.3	8.3
	Luminous intensity	(lx)	26.200	11.644	6.550	2.911	1.637	1.048	727	534
max. opening angle: 17° I ax.= 397.000 cd	Ø Dia. Light circle	(m)	3.0	5.9	8.9	11.8	14.8	17.7	20.7	23.6
	Luminous intensity	(lx)	3.970	1.764	992	441	248	158	110	81

MZU 256 D 6°-17°

- For Halogen metal vapour lamps 2500 W, 230 V
- G 38 lamp holder
- With quiet running fan
- Usable up to ca. 100 m
- Dimensions: (A x B x C): 715 x 320 x 475 mm
- Weight: 120 kg

MZU 256 D

2500 W / 240.000 lm	Distance	(m)	10.0	15.0	20.0	30.0	40.0	50.0	60.0	70.0
min. opening angle: 6° I ax.= 4.200.000 cd	Ø Dia. Light circle	(m)	3.0	6.0	9.0	12.0	15.0	18.0	21.0	24.0
	Luminous intensity	(lx)	42.000	18.666	10.500	4.666	2.625	1.680	1.166	857
max. opening angle: 17° I ax.= 550.000 cd	Ø Dia. Light circle	(m)	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
	Luminous intensity	(lx)	5.500	2.444	1.375	611	343	220	152	112

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ADB - Your Partner for Light

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DS-5593-E-09j Subject to modifications