

# Niethammer Spotlight

## Zoom Profile Spotlight

HMZ 212 D

HMZ 215 D



## 2.500 W

**HMZ 212 D (HMI – RSI – MSI)** Article No. N250-012

**HMZ 215 D (HMI – RSI – MSI)** Article No. N250-015

### Specification

#### Optical System

- Spherical double-reflector system in electrolytically polished and anodised high purity aluminium in the D Version
- Spherical cold light reflector in glass and reflector in electrolytically polished and anodised high purity aluminium in the X Version
- All lenses with broadband anti-reflex coating
- Aspherical condenser lens
- Intermediate lens in the lamp housing
- Zoom optic with two lenses
- Zoom displacement for focal distance adjustment and focusing through two operating knobs
- Option: Light diffusing screen (Glass diffuser) can be mounted in the zoom

#### Electrical components

- 2.5 m connector cable with shock-proof plug
- Lamp holder for one-sided socket-mounted 2.5 kW HM-RSI or MSI metal vapour lamps with G 38 socket
- Hot ignition of the lamp is possible
- Portable ballast with 3 m special connecting cable
- Operating hours counter
- ON/OFF and remote control switches
- Low-noise axial fan

#### Housing

The housing consists of two sections:

The lamp housing is equipped with a quad aperture slide, a projection insert module for Gobo insert size A and an iris diaphragm. The lamp housing cover can be swivelled back to provide rapid access to the lamp, lens and reflector. The ignition unit and a robust handle are provided on the rear wall of the housing.

The spotlight barrel is equipped with a front cassette, which provides for two accessory insert modules in the 245 x 245 mm format, in accordance with DIN 15560. The barrel is provided with a hinged flap, enabling the lens to be cleaned easily.

Rotation of the lamp housing through 360° relative to the lens barrel is possible without a special tool. A detent device is provided to aid relocation to the normal position 0° or 360°. The complete housing is provided with a heat and wear-resistant, anthracite coloured finish.

#### Mounting

- Stable, steel section fixing frame with bearings on both sides
- A cranked frame is optionally available
- 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

#### Scope of delivery

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

#### Optional accessories

- Rod control
- motorised fixing/mounting frame
- manual colour changer
- INGENIO®
- blackout mask

#### Safety/Reliability

- On opening the lamp housing, an electrical safety cut-out is triggered.
- The unit satisfies all European safety regulations (EN 60598-1, EN 60598-2-17, EN 55016 and EN 50082-1) and carries the CE symbol
- The spotlight has no sharp 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

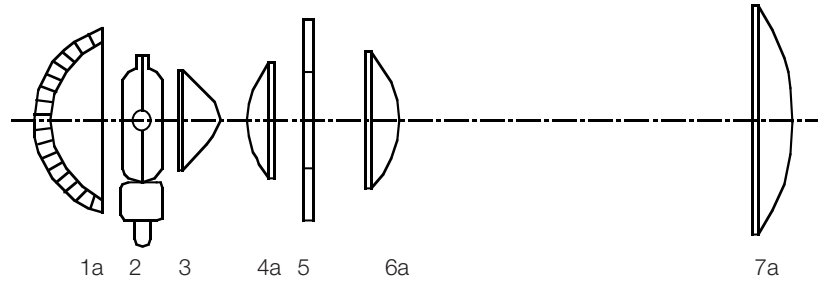
# Emil Niethammer Spotlight

## Zoom Profile Spotlight

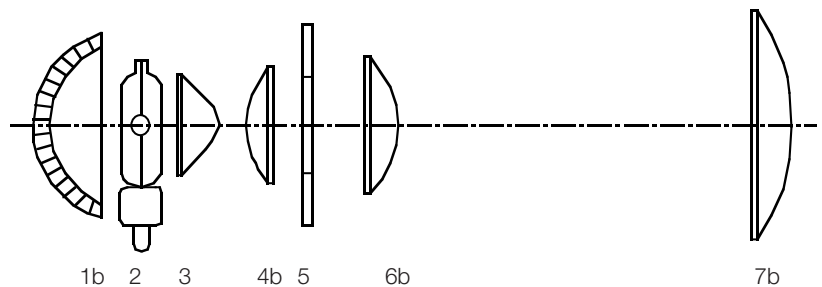


- 1a Cold light, Ø 130 mm with opposing reflector
- 1b Cold light reflector, Ø 130 mm
- 2 2.5 kW Halogen metal vapour lamp, socket on one side
- 3 Aspherical condenser lens 130-706, Ø 68 mm
- 4a Spherical intermediate lens 624-127, Ø 100 mm
- 4b Spherical intermediate lens 624-102, Ø 100 mm
- 5 Iris diaphragm
- 6a 1 Zoom lens 624-102, Ø 100 mm
- 6b 1 Zoom lens 624-128, Ø 110 mm
- 7a 2 Zoom lens 624-90, Ø 200 mm
- 7b 2 Zoom lens 624-129, Ø 200 mm

HMZ 212 D



HMZ 215 D



### Technical Data

#### HMZ 212 D 12-26°

- 2 Zoom lenses and condenser optic
- G 38 lamp holder
- Application as front stage, portal or bridge spotlight, Usable up to ca. 55 m
- Dimensions: (A x B x C): 960 x 435 x 640 mm
- Weight: 30 kg

HMZ 212 D

2.500 W / 52.000 lm	Distance	(m)	10,0	15,0	20,0	30,0	40,0	50,0	60,0	70,0
min. opening angle: 12°   ax.= 1.240.000 cd	Ø Dia Light circle	(m)	2,1	3,2	4,2	6,3	8,4	10,5	12,6	14,7
	Luminous intensity	(lx)	12.400	5.511	3.100	1.378	775	496	344	253
max. opening angle: 37°   ax.= 132.000 cd	Ø Dia Light circle	(m)	4,6	6,9	9,2	13,9	18,5	23,1	27,7	32,3
	Luminous intensity	(lx)	3.900	1.733	975	433	244	156	108	80

#### HMZ 215 D 15-36°

- 3 Zoom lenses and condenser optic
- G 38 lamp holder
- Application as front stage, portal or bridge spotlight, Usable up to ca. 47 m
- Dimensions: (A x B x C): 960 x 435 x 640 mm
- Weight: 29 kg

HMZ 215 D

2.500 W / 52.000 lm	Distance	(m)	5,0	10,0	15,0	20,0	25,0	30,0	35,0	40,0
min. opening angle: 15°   ax.= 517.000 cd	Ø Dia Light circle	(m)	3,1	2,6	3,9	5,3	6,6	7,9	9,2	10,5
	Luminous Intensity	(lx)	20.610	5.170	2.298	1.293	827	574	422	323
max. opening angle: 37°   ax.= 132.000 cd	Ø Dia Light circle	(m)	3,3	6,7	10,0	13,4	16,7	20,1	23,4	26,8
	Luminous Intensity	(lx)	5.180	1.320	587	330	211	147	108	83

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