

Niethammer Spotlight

Zoom Profile Spotlight

HPZ 112 D

HPZ 115 D



1000 W / 1200 W

HPZ 112 D Article No. N112-001

HPZ 115 D Article No. N115-001

Specifications

Optical System

- Spherical cold light reflector, glass.
- All lenses with broadband anti-reflex coating.
- Aspherical condenser lens.
- Plano-convex intermediate lens in the lamp housing.
- Zoom optic with two (112 Type) / three (115 Type) plano-convex lenses.
- Zoom displacement for focal distance adjustment and focusing through two operating knobs.
- Lamp socket can be adjusted in height for different light centres.
- Aspherical lens lamp separation adjustable.
- 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 GX 9.5 for 220 V / 240 V, 1000 W or 1200 W with LCL 55/67 mm, adjustable

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 and an iris diaphragm. The lamp housing cover can be swivelled back to provide rapid access to the lamp, lens and reflector. A robust handle is 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 185 x 185 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 2.5 m connection cable with shock-proof plug, packaging and protective grid.

Optional accessories

- Rod control
- motorised drive

Safety/Reliability

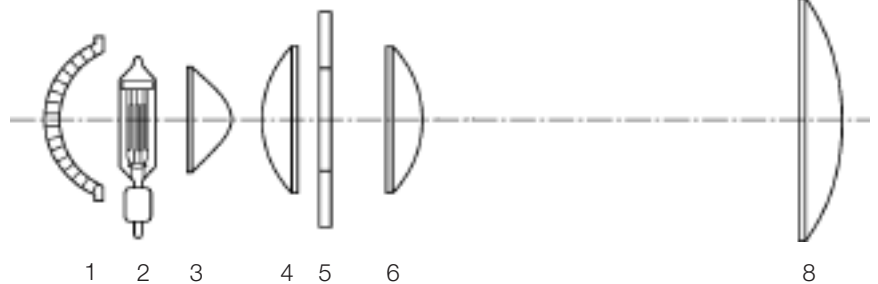
- The unit satisfies all European safety regulations (EN 60598-1, EN 60598-2-17) and carries the CE symbol.
- The spotlight has no sharp edges.
- All positioning and control elements are made from heat insulating materials.
- All metallic parts are corrosion protected.
- A self-activating locking leaf spring device prevents accessories from falling from the unit.

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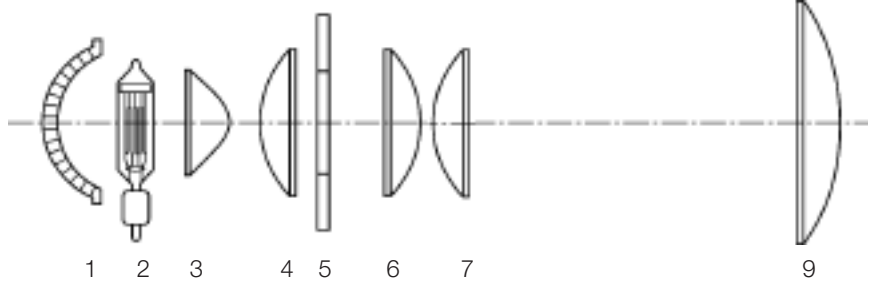
Zoom Profile Spotlight

- 1 Cold light reflector, Ø 68 mm
- 2 1 kW / 1.2 kW Halogen incandescent lamp with GX 9.5 socket (Light centre 55/67 mm)
- 3 Aspherical condenser lens 130-706, Ø 68 mm
- 4 Spherical intermediate lens 130-640, Ø 89.1 mm
- 5 Iris diaphragm
- 6 1 Zoom lens 130-642, Ø 114 mm
- 7 2 Zoom lenses 130-643, Ø 114 mm
- 8 2 Zoom lenses 130-645, Ø 182 mm
- 9 3 Zoom lenses 130-644, Ø 152 mm

HPZ 112 D



HPZ 115 D



HPZ 112 D 12°-24°

- 2 Zoom lenses and condenser optic
- GK 9.6 lamp holder
- Application as front stage, portal, bridge and offset spotlight. Usable up to ca. 27 m.

- Dimensions: (A x B x C): 715 x 320 x 475 mm
- Weight: 14 kg

HPZ 112 D

1.200 W / 30.000 lm	Distance	(m)	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5
min. opening angle: 12° l ax.= 375.000 cd	Ø Dia. Light circle	(m)	2.1	2.6	3.2	3.7	4.2	4.7	5.3	5.8
	Luminous intensity	(lx)	3.750	2.400	1.670	1.225	938	740	600	496
max. opening angle: 24° l ax.= 140.000 cd	Ø Dia. Light circle	(m)	4.3	5.3	6.4	7.4	8.5	9.6	10.6	11.7
	Luminous intensity	(lx)	1.400	896	622	457	350	277	224	185

1.000 W / 26.000 lm	Distance	(m)	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5
min. opening angle: 12° l ax.= 295.000 cd	Ø Dia. Light circle	(m)	2.1	2.6	3.2	3.7	4.2	4.7	5.3	5.8
	Luminous intensity	(lx)	2.950	1.888	1.311	963	738	583	472	390
max. opening angle: 24° l ax.= 120.000 cd	Ø Dia. Light circle	(m)	4.3	5.3	6.4	7.4	8.5	9.6	10.6	11.7
	Luminous intensity	(lx)	1.200	768	533	392	300	237	192	159

HPZ 115 D 15°-38°

- 3 Zoom lenses and condenser optic
- GK 9.5 lamp holder
- Application as front stage, portal, bridge or offset spotlight. Usable up to ca. 21 m.

- Dimensions: (A x B x C): 645 x 320 x 475 mm
- Weight: 14 kg

HPZ 115 D

1.200 W / 30.000 lm	Distance	(m)	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5
min. opening angle: 15° l ax.= 215.000 cd	Ø Dia. Light circle	(m)	1.3	2.0	2.6	3.3	3.9	4.6	5.3	5.9
	Luminous intensity	(lx)	8.600	3.800	2.150	1.376	955	700	537	425
max. opening angle: 38° l ax.= 54.000 cd	Ø Dia. Light circle	(m)	3.4	5.2	6.9	8.6	10.3	12.1	13.8	15.5
	Luminous intensity	(lx)	2.160	960	540	346	240	176	135	107

1.000 W / 26.000 lm	Distance	(m)	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5
min. opening angle: 15° l ax.= 165.000 cd	Ø Dia. Light circle	(m)	1.3	2.0	2.6	3.3	3.9	4.6	5.3	5.9
	Luminous intensity	(lx)	6.600	2.930	1.650	1.056	733	540	413	326
max. opening angle: 38° l ax.= 46.000 cd	Ø Dia. Light circle	(m)	3.4	5.2	6.9	8.6	10.3	12.1	13.8	15.5
	Luminous intensity	(lx)	1.840	818	460	294	204	150	115	91

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Accessories list for HPZ 112 D (Standard versi-

EN Code	Article
N 114-033	Reflector D 58 mm
N 16-164	Socket GX 9.5 EN 1.5 mm
N 130-706	Aspherical condenser lens, Ø 68 mm
N 130-640	Intermediate lens, Ø 89 mm
N 92-131	Iris diaphragm, Ø 80 mm
N 92-247	Sliding diaphragm unit, Ø 175 mm
N 130-643	Zoom 1 lens (Input), Ø 114 mm
N 130-645	Zoom 2 lens (Output), Ø 152 mm
N 43-216	Rotary locking knob and spring
N 92-255	Colour filter cassette
N 30-601	SG 180 Safety protection grid
N 130-744	Spotlight swinging handle, M 10
N 70-459	Zoom-adjustment knob
N 115-520-ET	Complete mounting for aspherical condenser lens (3 parts)
N 115-560-ET	Complete mounting for reflector (4 parts)
N 112-100	Cover, complete > HFZ 112 D
N 70-326	Knurled knob, M 6, lamp housing
N 115-523-ET	Micanite ring for cond. lens, Ø 68 mm
N 70-194	Mounting handle > lamp housing
N 84-759	Inox reflector holder rim, Ø 68 mm, flat

Accessories list for HPZ 115 D (Standard version)

EN Code	Article
N 114-038	Reflector Ø 68 mm
N 16-164	Socket GX 9.5 EN 1.5 mm
N 130-706	Aspherical condenser lens, Ø 68 mm
N 130-640	Intermediate lens, Ø 89 mm
N 92-131	Iris diaphragm, Ø 80 mm
N 92-247	Sliding diaphragm unit, Ø 175 mm
N 130-642	Zoom 1 lens (Input), Ø 114 mm
N 130-643	Zoom 2 lens (Output), Ø 114 mm
N 130-644	Zoom 2 lens (Output), Ø 152 mm
N 43-216	Rotary locking knob and spring
N 92-255	Colour filter cassette
N 30-601	SG 180 Safety protection grid
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N 70-459	Zoom-Adjustment knob
N 115-520-ET	Complete mounting for aspherical condenser lens (3 parts)
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N 115-100	Cover, complete > HFZ 112 D
N 70-326	Knurled knob, M 6, lamp housing
N 115-523-ET	Micanite ring for cond. lens. Ø 68 mm
N 70-194	Mounting handle > lamp housing
N84-799	Inox reflector holder rim, Ø 68 mm, flat

ADB - Your Partner for Light

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