

Niethammer Spotlights

Zoom profile spotlights

HPZ 112 D

HPZ 115 D



1000/1200 Watt

12° - 24°

16° - 38°

HPZ 112 D

order no. N 112-001

HPZ 115 D

order no. N 115-001

Specifications

Optical system

- Spherical cold light glass reflector
- All lenses equipped with broadband anti-reflective coating
- Aspherical condenser lens
- Plano convex intermediate lens in lamp housing
- Zoom optics with two (HPZ 112 D) resp. three (HPZ 115 D) plano convex lenses
- Focal length and focusing adjustable by individual controls
- Lamp holder position adjustable for 55 and 67mm light centres
- Adjustable aspherical lens-to-lamp-distance
- Soft glass mounting option inside the zoom tube

Electrical components

2.5m mains cable with plug

Lamp holder GX9.5 / 220-240V / 1,000 or 1,200W / Lcl 55mm or 67mm, adjustable

Scope of delivery

The standard model is supplied with a metal protective grid and 2.5m mains cable with assembled Schuko plug.

Housing

The entire housing has an anthracite-coloured heat and wear resistant finish.

All metal parts are corrosion-protected.

The lamp housing is equipped with a rotatable integrated four-blade shutter and slot for a gobo holder (size A) and with a field-replacble beam size iris. The lamp housing cover can be swivelled back to provide rapid access to lamp, lens and reflector. A handle is provided on the rear cover of the housing.

The spotlight is equipped with a three-slot front cassette according to DIN 15560 (185 x 185 mm) for gel holders and accessories. A large format hinged flap offers easy access to the zoom lenses without tools.

The lamp housing is fully rotatable through 360° and 9-times lockable in its normal orientation or choosable positions.

Safety/Reliability

- The spotlight complies to the relevant European safety regulations (EN 60598-1, EN 60598-2-17) and is labeled with the CE marking.
- No sharp edges on spotlight body.
- Handles and controls are made from non-thermoconductive materials.
- All metal parts are corrosion-protected.
- Self closing latch prevents accessories from dropping out of the front cassette.

Mounting

- Stable, steel section fixing yoke with bearings on both sides.
- A cranked yoke is optionally available.
- Yoke with drilled holes matching a spotlight base plate or wall hook according to DIN 15560.
- The integrated tilt lock will not affect the spotlight's tilt position when fastened.





HPZ 112 D

1,200W / 30,000lm	Distance (m)	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5
min. opening angle: 12° ax. = 375,000cd	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° ax. = 140,000cd	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

1,000W / 26,000lm	Distance (m)	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5
min. opening angle: 12° ax. = 295,000cd	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° ax. = 120,000cd	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

1,200W / 30,000lm	Distance (m)	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5
min. opening angle: 16° ax. = 215,000cd	Ø Dia. Light circle (m)	1.4	2.1	2.8	3.5	4.2	4.9	5.6	6.3
	Luminous intensity (lx)	8,600	3,800	2,150	1,376	955	700	537	425
max. opening angle: 38° ax. = 54,000cd	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

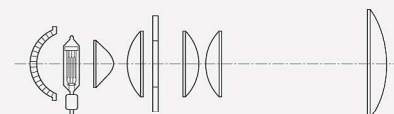
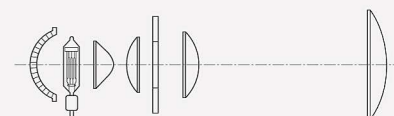
1,000W / 26,000lm	Distance (m)	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5
min. opening angle: 16° ax. = 165,000 cd	Ø Dia. Light circle (m)	1.4	2.1	2.8	3.5	4.2	4.9	5.6	6.3
	Luminous intensity (lx)	6,600	2,930	1,650	1,056	733	540	413	326
max. opening angle: 38° ax. = 46,000 cd	Ø Dia. Light circle (m)	3.4	5.2	6.9	8.6	10.3	12.1	13.8	15.5
	Luminous intensity (lx)	1,840	818	460	294	204	150	115	91

HPZ 112 D 12°–24°

- 2 zoom lenses and double condenser optics
- GX 9.5 lamp holder
- Suitable as a proscenium (arch) spotlight and on audience lighting bridges up to a distance of approximately 27m
- Dimensions: (A x B x C): 715 x 320 x 475mm
- Weight: 14kg

HPZ 115 D 16°–38°

- 3 zoom lenses and double condenser optics
- GX 9.5 lamp holder
- Suitable as a proscenium (arch) spotlight and on audience lighting bridges up to a distance of approximately 21m
- Dimensions: (A x B x C): 645 x 320 x 475mm
- Weight: 14kg



Accessories for HPZ 112 D and HPZ 115 D

N10-158	Clamp RC50 – silver – for tube diameters from 32-52mm
N10-083	Clamp RC80 – silver – for tube diameters from 50-82mm
N12-295	Spotlight base plate BN155 – grey – incl. 4 bolts M10x35mm, with washer and lock washer
1090.52.201	PFK/185 Card board holder – grey –, 1 pc.
N215-910	GH 100-D A-size gobo holder



Spare parts HPZ 112 D

N 114-033	Cold light glass reflector D=68mm
N 16-164	Lamp holder GX9.5 EN 1.5mm
N 130-706	Aspherical condenser lens, diameter = 68mm
N 130-640	Intermediate lens, diameter = 89mm
N 92-131	Beam size iris, diameter = 80mm
N 115-440	Shutter unit, diameter = 175mm
N 130-643	Rear zoom lens, diameter = 114mm
N 130-645	Front zoom lens, diameter = 152mm
N 43-216	Lamp house rotation lock (complete)
N 92-255	Colour filter cassette SG 180
N 58-710	Safety grid
N 130-744	Tilt lock knob, M10
N 70-459	Zoom/focus adjustment knob
N 115-520 ET	Complete condenser lens mounting (3 parts)
N 115-560 ET	Complete reflector mounting (4 parts)
N 112-100	Hood (complete), lamp housing
N 70-326	Knurled knob M6, lamp housing
N 115-523 ET	Micanite ring for condenser lens
N 70-194	Handle, lamp housing

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