

Niethammer Spotlights

Zoom profile spotlights HPZ 112 D HPZ 115 D



12⁰ - 24⁰ 16⁰ - 38⁰





order no. N 112-001

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

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-replacele 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 throug 360° and 9-times lockable in its normal orientation or choosable positions.

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.

Scope of delivery

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

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.





Niethammer Spotlights



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° l 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° l 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° l 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 (Ix) | 2,950 | 1,888 | 1,311 | 963 | 738 | 583 | 472 | 390 |
| max. opening angle: 24° l 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 (Ix) | 1,200 | 768 | 533 | 392 | 300 | 237 | 192 | 159 |

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



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° l 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 (Ix) | 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° l 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 (Ix) | 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 |



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 11 |
|--------------|--|------|
| N 16-164 | Lamp holder GX9.5 EN 1.5mm | N 16 |
| N 130-706 | Asperical condenser lens, diameter = 68mm | N 13 |
| N 130-640 | Intermediate lens, diameter = 89mm | N 13 |
| N 92-131 | Beam size iris, diameter = 80mm | N 92 |
| N 115-440 | Shutter unit, diameter = 175mm | N 11 |
| N 130-643 | Rear zoom lens, diameter = 114mm | N 13 |
| N 130-645 | Front zoom lens, diameter = 152mm | N 13 |
| N 43-216 | Lamp house rotation lock (complete) | N 13 |
| N 92-255 | Colour filter cassette SG 180 | N 43 |
| N 58-710 | Safety grid | N 92 |
| N 130-744 | Tilt lock knob, M10 | N 58 |
| N 70-459 | Zoom/focus adjustment knob | N 13 |
| N 115-520 ET | Complete condenser lens mounting (3 parts) | N 70 |
| N 115-560 ET | Complete reflector mounting (4 parts) | N 11 |
| N 112-100 | Hood (complete), lamp housing | N 11 |
| N 70-326 | Knurled knob M6, lamp housing | N 11 |
| N 115-523 ET | Micanite ring for condenser lens | N 70 |
| N 70-194 | Handle, lamp housing | N 11 |
| | | N 70 |

Spare parts HPZ 115 D

| | 114-033 16-164 130-706 92-131 115-440 130-642 130-643 130-645 43-216 92-255 58-710 130-744 70-459 115-520 ET | Cold light glass reflector D=68mm Lamp holder GX9.5 EN 1.5mm Asperical condenser lens, diameter = 68mm Intermediate lens, diameter = 89mm Beam size iris, diameter = 80mm Shutter unit, diameter = 175mm Rear zoom lens, diameter = 114mm Intermediate zoom lens, diameter = 114mm Front zoom lens, diameter = 152mm Lamp house rotation lock (complete) Colour filter cassette SG 180 Safety grid Tilt lock knob, M10 Zoom/focus adjustment knob Complete condenser lens mounting (3 parts) |
|-------------|---|--|
| N N N | 115-560 ET 112-100 70-326 115-523 ET 70-194 | Complete reflector mounting (4 parts) Hood (complete), lamp housing Knurled knob M6, lamp housing Micanite ring for condenser lens Handle, lamp housing |
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