

# 10. Technical specifications

## Power supply:

- EU-model-Voltage.....208/230/240V AC, 50/60 Hz ~
- Fuse.....T 3.15 A@230V
- US-model-Voltage.....100/120/208/230/240 V AC, 50/60 Hz ~
- Fuse.....T 6.3 A@120V
- Power consumption....500 VA

## Lamps:

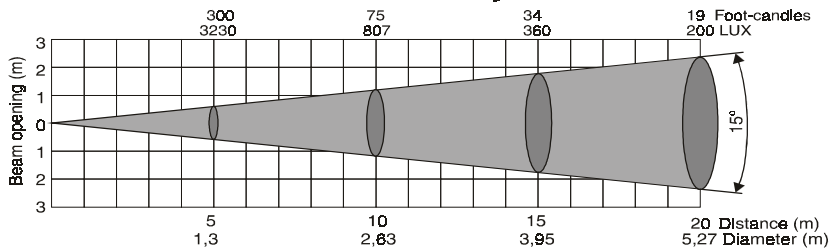
- Philips MSD 250 or MSD250/2 GY9.5

## Optical system:

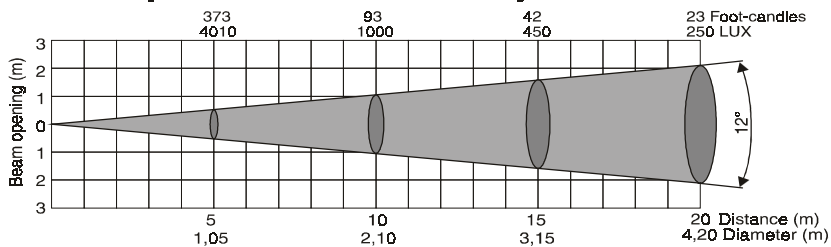
- High luminous-efficiency parabolic mirror and double condenser system
- Standard 15° focused beam angle
- Optional 12° and 18° lens
- All lenses are anti-reflection coated

## Beampath:

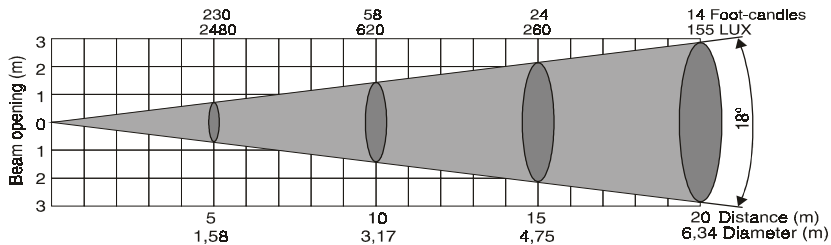
### Standard 15° objective



### Optional narrow 12° objective



### Optional wide 18° objective



**Colours:**

- Color-wheel with 11 dichroic filters plus open
- Colour-wheel continuous rotation in both directions (rainbow effect)
- Via the combination between multicolour dichroic gobo and color-wheel even more colour combinations possible

**Rotating gobos:**

- Rotating gobo-wheel with 6 interchangeable and indexable rotating gobos plus open
- Rotating gobo-wheel cont. rotation
- 4 metal gobos, 1 glass gobo and 1 multicolour dichroic gobo rotating in both directions at different speeds
- Rotating gobos can be turned by 360°, the adjusted position is memorized
- Metal gobos: outside diameter=26.9mm, image diameter=22.5mm, stainless steel, thickness=0.15mm
- Multicolor dichroic gobo: outside diameter=26.8mm, thickness=1.1mm, high temperature borofloat or better glass
- Glass gobo: outside diameter=26.8mm, max. thickness=4mm, high temperature borofloat or better glass
- 3 additional metal gobos and 2 glass gobos are included

**Strobe:**

- Strobe effect with variable speed (1 - 10 flashes per second)
- Preprogrammed variable/random strobe and dimmer pulse-effects

**Dimmer:**

- Smooth dimmer from 0 - 100 %

**Prism:**

- 3-facet-prism rotating in both directions at different speeds
- Macro-function for rotating gobos/rotating prism combinations

**Focus:**

- Remotely controllable motorized focus from near to far

**Motors:**

- 10 high quality stepping-motors controlled by microprocessors

**Electronics:**

- Addressing, special functions setting, effects calibration via control panel with 4-digit LED display
- Readout fixture and lamp usage, receiving DMX values, temperature, etc
- Built-in analyzer for easy fault finding, error messages
- Remotely switching of the lamp
- Built-in demo sequences
- Black-out while head moving or gobo/color/prism changing
- Silent fans cooling, remotely controllable speed of the fans
- Self-resettable thermo-fuse
- Digital serial input DMX-512
- DMX-control via every standard DMX controller
- 16 DMX-channels (16 bit Pan/Tilt movement resolution):

Channel	Mode 1-16bit (default)	Mode 2-16bit	8 bit
1	Pan	Pan	Pan
2	Tilt	Fine Pan	Tilt
3	Fine Pan	Tilt	Pan/Tilt speed
4	Fine Tilt	Fine Tilt	Fans, Lamp On/Off
5	Pan/Tilt speed	Pan/Tilt speed	Colours
6	Fans, On/Off lamp	Fans, On/Off lamp	No function
7	Colours	Colours	Prism

8	No function	No function	Prism rotation
9	Prism	Prism	Rotating gobos
10	Prism rotation	Prism rotation	Gobo rotation
11	Rotating gobos	Rotating gobos	No function
12	Rot.gobo rotation	Rot.gobo rotation	Focus
13	No function	No function	Shutter, Strobe
14	Focus	Focus	Dimmer
15	Shutter, strobe	Shutter, strobe	
16	Dimmer	Dimmer	

### Pan/Tilt

- Pan movement range 530°
- Tilt movement range 280°
- 8/16 bit movement resolution
- Automatic Pan / Tilt position correction
- Maximum PAN-movement 530° in 2.65 s
- Maximum TILT-movement 280° in 1.68 s
- Remotely controllable speed of Pan/Tilt movement for easy programming

### Rigging

- Stands directly on the floor
- Mounts horizontally or vertically with 2 clamps
- 2 truss orientation
- Safety chain/cord attachment point

### Temperatures

- Maximum ambient temperature  $t_a$ : 45° C
- Maximum housing temperature  $t_B$  (steady state): 80° C

### Minimum distances

- Min.distance from flammable surfaces: 0,5m
- Min.distance to lighted object: 1,3m

### Dimensions and weight

- Length of base (including handles): 379 mm
- Width of yoke: 428 mm
- Height (head horizontal): 476 mm
- Weight (net): 18.5 kg
- Shipping weight: 25 kg

