

Pointe®



ROBE®

Pointe®

BRIGHTNESS
BEAM MODE
82.400 LX
@ 20 M

BEAM, SPOT
WASH & FX
FIXTURE

0° PARALLEL
BEAM

ROTATING
& STATIC
GOBOS

ZOOM
BEAM 2,5° - 10°
SPOT 5° - 20°

CIRCULAR
& LINEAR
PRISMS



Here's our Point.

It's very bright and super-fast with a sharp parallel beam that cuts through the air and across video with ease.

It can project a static or rotating glass gobo to produce precision in-air and surface images with an even focal plane.

Tight or at full 20 degree zoom, the output is crystal clear and brilliant. Add in either rotating, 6-way linear or 8-way circular prisms to create wide reaching effects across any set.

Drop in the frost filter and use any of the 13 rich colours to create a smooth even wash.

The Pointe has an output far greater in size, quality and power than seems possible from its small, lightweight body – due to the efficient short arc 280W discharge source and the Robe optical configuration.

This new technology fixture even travels efficiently in a case of 4 and will cover all your needs – Beam, Spot, Wash, FX - there is no Point in using any other fixture.

You get the Pointe?

Source

- Lamp: Discharge short arc lamp with integrated reflector
- Approved model: Osram Sirius HRI 280 W RO
- Lifetime: Standard mode (280 W) - 2.000 hrs
Eco mode (230 W) - 3.000 hrs
- CRI: 75
- CCT: 7000 K
- Control: Automatic and remote on/off
- Ballast: Electronic

Optical System

- Robe's proprietary optical design
- Zoom range:
2.5°–10° beam application
5°–20° spot application
- Output lens diameter: 110 mm
- Fixture total lumen output
Beam mode: 9.870 lm
Spot mode: 5.150 lm
- Illuminance
Beam mode: 82.400 lx @ 20 m
Spot mode: 90.000 lx @ 5 m

Dynamic Effects and Features

- Colour Wheel: 13 dichroic filters + white
- Rotating gobo wheel: 9 rotating, indexable and replaceable "SLOT&LOCK" glass gobos + open
- Static gobo wheel: 14 gobos + open
- Prism 1: 8-facet circular prism rotating in both directions at different speeds
- Prism 2: 6-facet linear prism rotating in both directions at different speeds
- Frost: Separate, variable
- Motorized zoom and focus
- Pre-programmed random strobe & pulse effects
- Dimmer: 0–100 %

Control and Programming

- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
- Wireless CRMX™ technology from Lumen Radio: On request
- DMX Protocol modes: 3
- Control channels: 24, 16, 30
- Stand-alone operation
- 3 editable programs, each up to 100 steps
- Pan/Tilt resolution: 8 or 16 bit
- Colour wheel positioning: 8 or 16 bit
- Rotating gobo wheel positioning: 8 bit
- Gobo indexing & rotation: 8 or 16 bit
- Static gobo wheel positioning: 8 bit
- Frost: 8 bit
- Zoom: 8 or 16 bit
- Focus: 8 or 16 bit
- Dimmer: 8 or 16 bit

Movement

- Pan movement: 540°
- Tilt movement: 270°
- Controllable speed of Pan/Tilt movement

Rotating gobos

- Glass gobos: 9 rotating gobos
- Outside diameter: 15.9 mm

- Image diameter: 12.5 mm
- Thickness: 1.1 mm
- High temperature borofloat or better glass
- "SLOT&LOCK" system for easy replacement of gobos

Static Gobos

- Aluminium wheel with fixed gobos: 10 gobos & 4 beam reducers

Thermal Specification

- Maximum ambient temperature: 45°C (113°F)
- Maximum surface temperature: 90°C (194°F)
- Total heat dissipation: max. 1600 BTU/h (calculated)

Electrical Specification and Connections

- Power supply: Electronic auto-ranging
- Input voltage range: 100–240 V, 50/60 Hz
- Power consumption: 470 W at 230 V / 50 Hz
- Power in connector: Neutrik powerCON
- DMX and RDM data in/out: Locking 3-pin & 5-pin XLR
- Ethernet port in/out: RJ45

Approvals

- CE Compliant
- cETLus Compliant

Mechanical specification

- Height: 575 mm (22.6") – head in vertical position
- Width: 365 mm (14.3")
- Depth: 250 mm (9.8")
- Weight: 15 kg (33 lbs)
- Ingress protection rating: IP20

Rigging

- Mounting points: 2 pairs of 1/4-turn locks
- 2x Omega adaptors with 1/4-turn quick locks
- Universal operating position
- Pan & Tilt transport locks
- Safety cable attachment point

Included Items

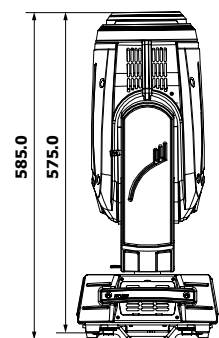
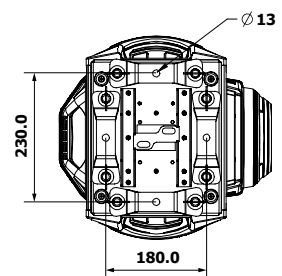
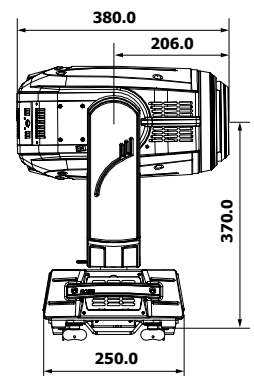
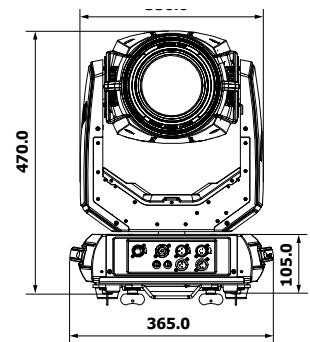
- User Manual
- Power cord including powerCON In connector

Optional Accessories

- Lamp Osram Sirius HRI 280W RO: 14080047-01
- Frost 0.5° (exchange) assembled: 10980626
- Frost 1° (exchange) assembled: 10980627
- Frost 5° (exchange) assembled: 10980628
- Frost 10° (exchange) assembled: 10980629
- Frost 20° (exchange) assembled: 10980630
- Frost 30° (exchange) assembled: 10980631
- Doughty Trigger Clamp: 17030386
- Safety wire 36 kg: 99011963
- Mounting adapter for one omega holder: 10980781
- Single Top Loader Case: 10120140-01
- Dual Top Loader Case: 10120146-01
- Quad Top Loader Case: 10120139-01
- Foam Shell: 20020191

Legal

- Pointe® is Registered Trademark of Robe lighting s. r. o.
- Pointe® is patented by Robe lighting s. r. o. and protected by one or more pending or issued patents



Colour wheel



Rotating gobo wheel



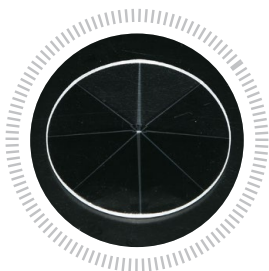
Static gobo wheel



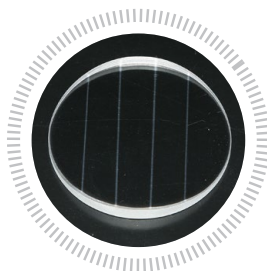
Prisms

The Pointe features two unique prisms - a rotating 6-facet linear prism and an 8-facet circular prism - which can be used for creating wide reaching effects across any set.

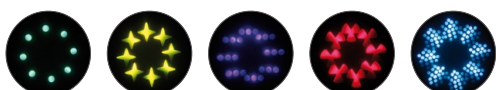
8-facet Circular Prism



6-facet Linear Prism



Circular Prism & Static gobos



Linear Prism & Static gobos



Circular Prism & Rotating gobos



Linear Prism & Rotating gobos



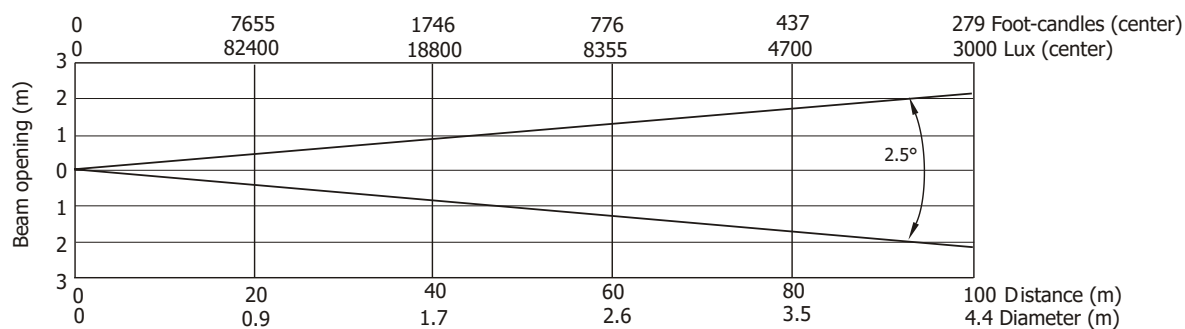
Pointe

Photometric report

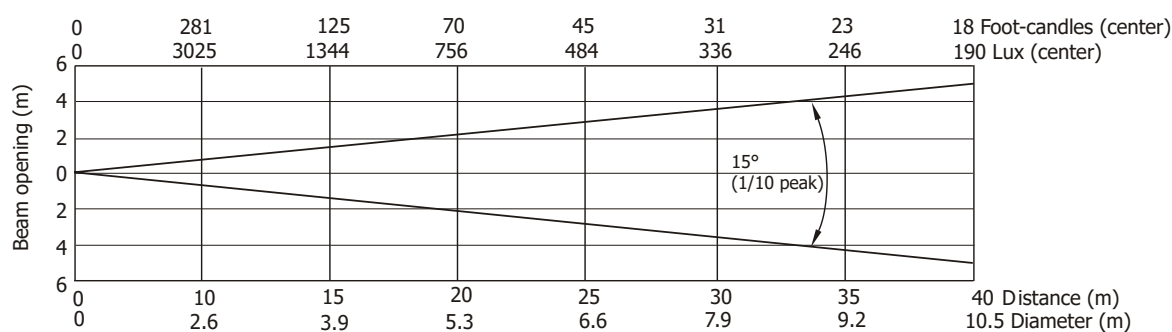
Lamp: Standard mode

Min. Zoom (Beam application)

Total Output: 9410 lumens

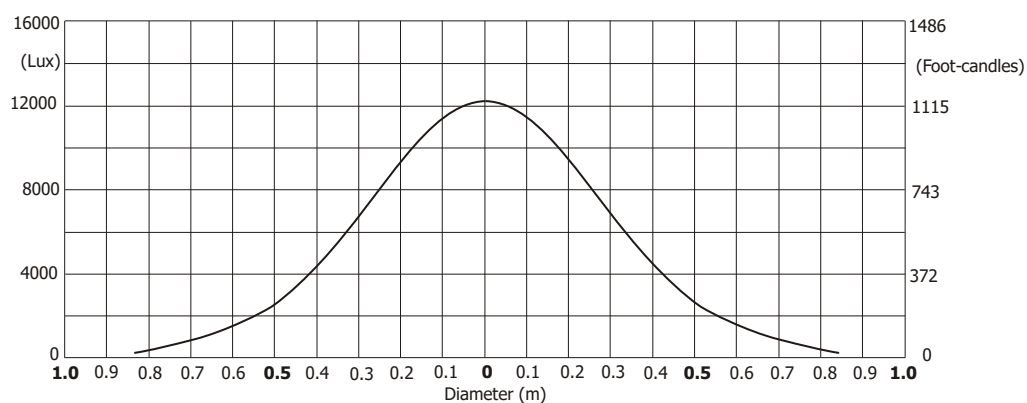


Min. Zoom with frost



Illuminance distribution

Distance=5m



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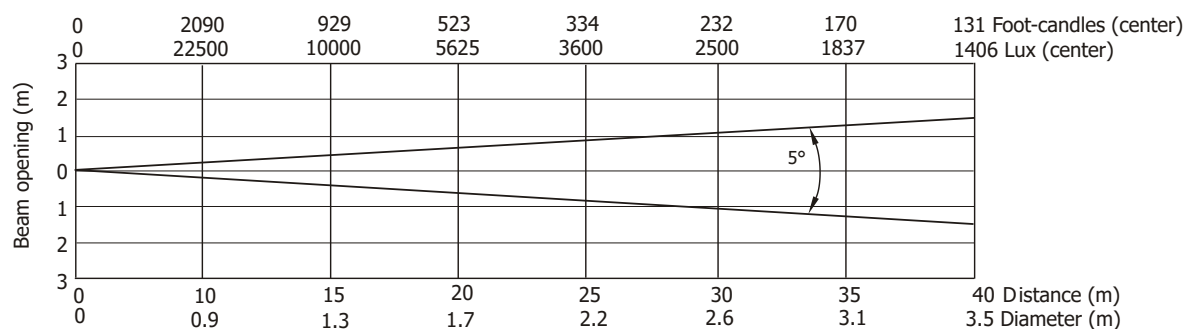
Pointe

Photometric report

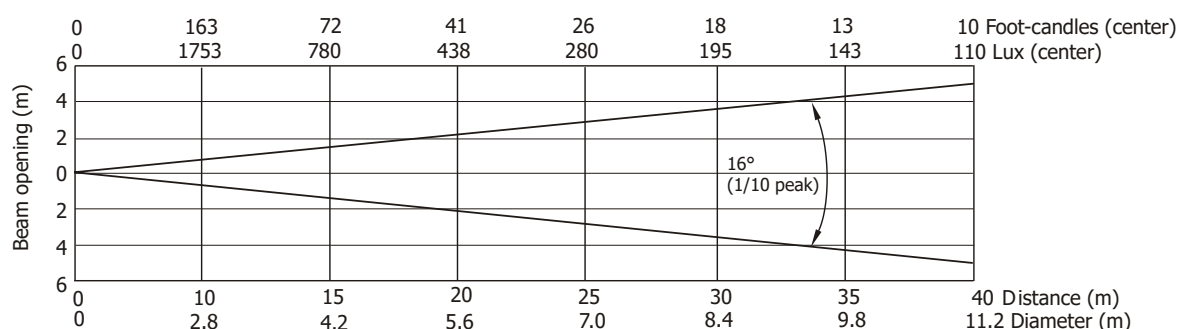
Lamp: Standard mode

Min. Zoom (Spot application)

Total Output: 4530 lumens

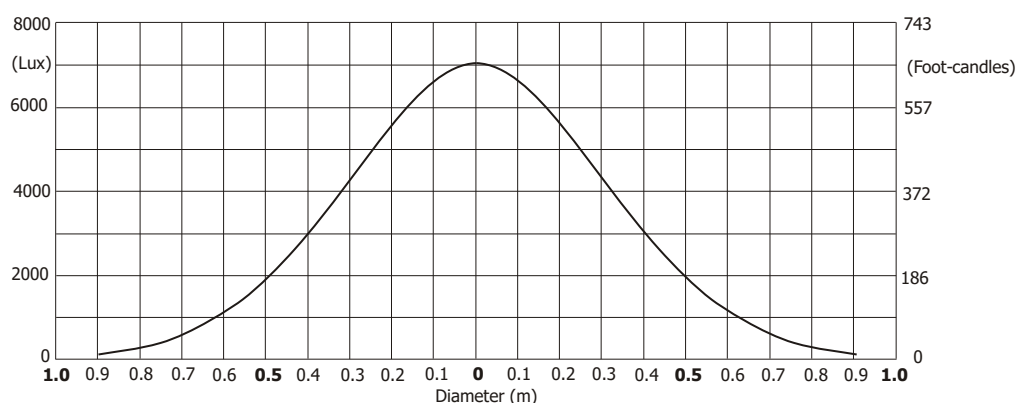


Min. Zoom with frost



Illuminance distribution

Distance=5m

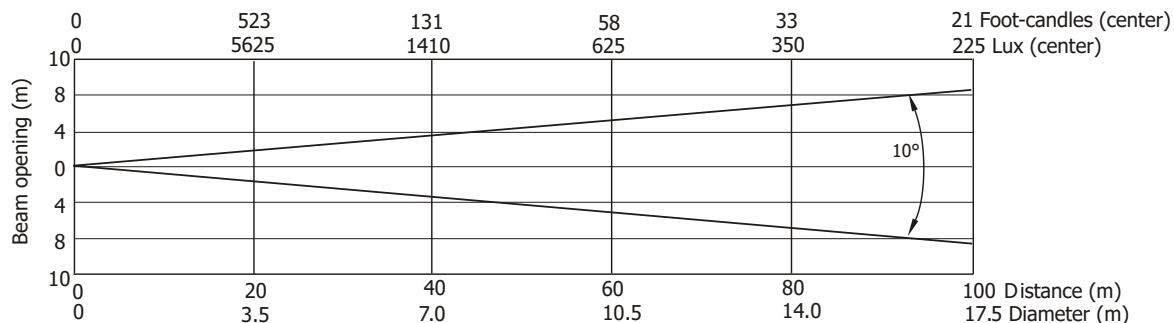


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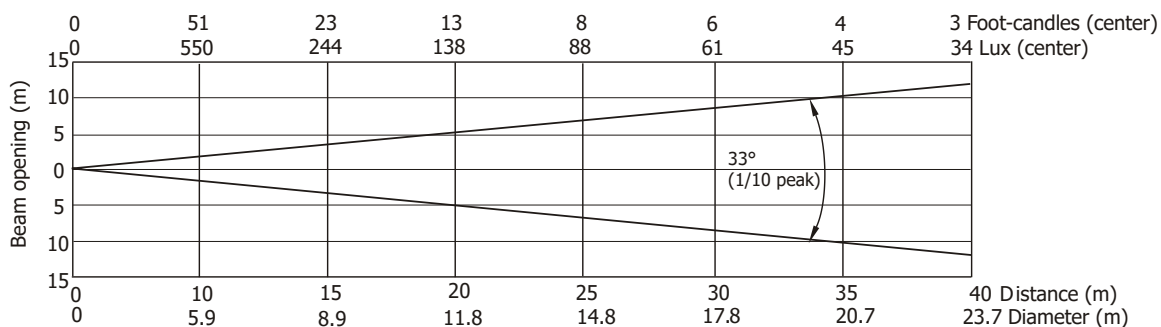
Lamp: Standard mode

Max. Zoom (Beam application)

Total Output: 9870 lumens

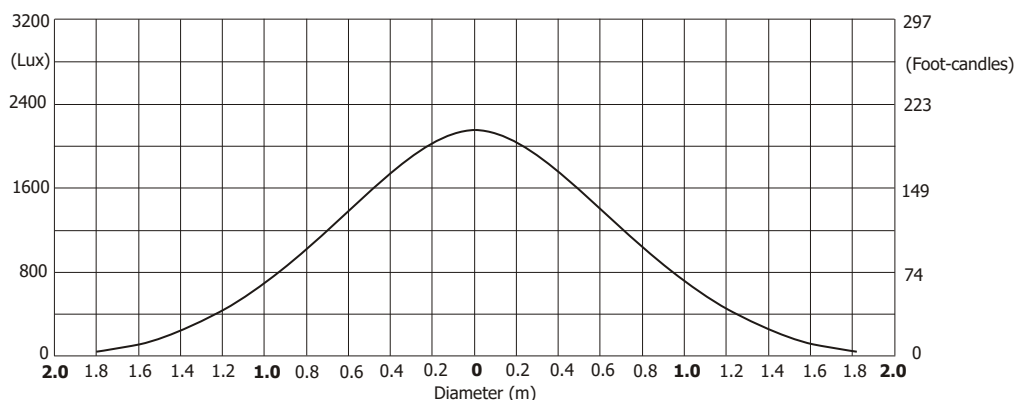


Max. Zoom with frost



Illuminance distribution

Distance=5m



Photometric report

Max. Zoom (Spot application)

A diagram showing a beam of light originating from a 0.6m vertical opening on the left. The beam spreads at a 20-degree angle, indicated by a curved arrow. The beam's path is plotted on a grid. The horizontal axis represents distance in meters (0 to 40) and diameter in meters (0 to 14.1). The vertical axis represents beam opening in meters (0 to 6). Data points for beam diameter, foot-candles, and lux are provided at various distances.

Distance (m)	Diameter (m)	Foot-candles (center)	Lux (center)
0	0.6	197	2125
10	3.5	88	944
15	5.3	49	531
20	7.1	32	340
25	8.8	22	236
30	10.6	16	173
40	14.1	12	133

Figure 10-10 is a beam spread diagram for a 15 m beam opening. The diagram shows a beam diverging from a 15 m opening at 0 m distance to a 26.0 m diameter at 40 m distance. The beam angle is 36° (1/10 peak). The diagram includes two scales: one for distance in meters (0 to 40) and beam diameter in meters (0 to 26.0), and another for distance in feet (0 to 130) and foot-candles (0 to 1.6) and lux (0 to 17).

Distance (m)	Beam Diameter (m)	Foot-candles (center)	Lux (center)
0	0	0	0
10	6.5	2.6	275
15	9.7	1.7	122
20	13.0	1.1	69
25	16.2	0.8	44
30	19.5	0.6	31
35	22.7	0.5	22
40	26.0	0.4	17

Distance=5m

(Lux)

(Foot-candles)

Diameter (m)

This graph shows the relationship between illuminance and diameter at a fixed distance of 5 meters. The x-axis represents the diameter in meters, ranging from 2.0 to 0 and then back to 2.0. The left y-axis represents illuminance in Lux, ranging from 0 to 1600. The right y-axis represents illuminance in foot-candles, ranging from 0 to 149. The curve shows that illuminance is highest at a diameter of 0 (approximately 1100 Lux or 98 foot-candles) and decreases as the diameter increases.

Diameter (m)	Illuminance (Lux)	Illuminance (Foot-candles)
2.0	~100	~9
1.8	~150	~13
1.6	~250	~22
1.4	~400	~35
1.2	~600	~52
1.0	~900	~78
0.8	~1200	~106
0.6	~1400	~123
0.4	~1500	~131
0.2	~1550	~136
0	~1600	~140
0.2	~1550	~136
0.4	~1400	~123
0.6	~1200	~106
0.8	~900	~78
1.0	~600	~52
1.2	~400	~35
1.4	~250	~22
1.6	~150	~13
1.8	~100	~9
2.0	~100	~9

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