

MEGA

Pointe®



ROBE®

MEGA

Pointe®

**MEGA
BRIGHT**
2 200 000 LX @ 5 M

**BEAM, SPOT
WASH & FX
FIXTURE**

**CRI
80/90**

**C M Y
COLOUR MIXING
SYSTEM**

ZOOM
BEAM 1.8° - 21°
SPOT 3° - 42°

**12 BEAM
& FLOWER
EFFECTS**

**REMOTE
HOT-SPOT
CONTROL**

**ROTATING & STATIC
GOBOS
ANIMATION
WHEEL**



MEGA bright with MEGA features and still compact. The MegaPointe from Robe. **OUR NEW REFERENCE POINT!**



Our all-new MegaPointe elevates the original all-in-one fixture to a whole new level. Unleash your creativity using the bright sharp parallel beams, excellent gobo projection, precise movement, smooth CMY colour mixing and dimming plus a multitude of beam splitting, wash and shaping effects.

The Robe R&D team worked with Osram to provide a 470W lamp that aligns perfectly with the cutting edge optical system. This design provides a brilliant, crystal clear, razor-edged beam, adjustable from a punchy 1.8 out to a wide 42 degree zoom.

Both static and rotating (glass) gobos produce precision in-air effects or projected images with a sharp, high-contrast, flat field.

The newly designed effects engine can produce 12 varying beam and 'flower' effects. The beam can also be shaped using innovative shutter emulation, further creating a whole new blend of content & creativity.



Source

- Lamp: Discharge short arc lamp with integrated reflector
- Approved model: Osram Sirius HRI 470 W RO
- Lifetime: 1.500 hours @ 470W Standard mode
2.000 hours @ 380W Eco mode
- CRI: 80/90
- CCT: Light Output 6.300 K
Lamp: 7.500 K
- Control: Automatic and remote on/off
- Ballast: Electronic

Optical System

- Robe's proprietary optical design (Patent pending).
- Zoom optical system: 14:1
- Light output: Beam mode 1.8°: 2 200.000 lx @ 5 m
Beam mode 1.8°: 137.500 lx @ 20 m
Spot mode 3°: 715.300 lx @ 5 m
Spot mode 3°: 44.710 lx @ 20 m
- Zoom range: 1.8°– 21° beam mode
3°– 42° spot mode
- Output lens diameter: 150 mm
- Fixture total lumen output: 20.375 lm

Dynamic Effects and Features

- Cyan: 0–100 %
- Magenta: 0–100 %
- Yellow: 0–100 %
- Colour Wheel: 13 dichroic filters + white
- Rotating gobo wheel: 9 rotating, indexable and replaceable gobos
- Static gobo wheel: 14 gobos + open
- Animation wheel: Aluminium animation wheel, used alone or in combination with gobos, rotating in both directions at variable speed
- Innovative Effect Engine consisting of 6 prisms placed on two wheels, producing 12 various Beam and Flower effects (Patent pending)
- Beam shaper emulating framing shutters and creating rectangular beam shapes, rotatable and indexable (Patent pending)
- Frost: variable 1° (light) and 5° (medium)
- Motorized zoom and focus
- Remote Hot-spot control: adjustable from 5:1 to 2.5:1 in spot mode and from 7:1 to 2.7:1 in beam mode (Patent pending)
- 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, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
- Wireless CRMX™ technology from Lumen Radio: On request
- DMX Protocol modes: 2
- Control channels: 39, 34
- Pan/Tilt resolution: 8 or 16 bit
- Colour wheel positioning: 8 or 16 bit
- CMY: 8 bit
- CRI Selection: 80 or 90

- Rotating gobo wheel positioning: 8 bit
- Gobo indexing & rotation: 8 or 16 bit
- Static gobo wheel positioning: 8 bit
- Animation wheel: 8 bit
- Animation wheel rotation: 8 or 16 bit
- Prism indexing & rotation: 8 bit
- Frost: 8 bit
- Zoom: 8 or 16 bit
- Focus: 8 or 16 bit
- Hot-Spot: 8 bit
- Dimmer: 8 or 16 bit

Movement

- Pan movement: 540°
- Tilt movement: 265°
- Movement control: Standard and Speed
- Automatic Pan/Tilt position correction
- EMS™: Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patent pending)

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 + open position

Thermal Specification

- Maximum ambient temperature: 45 °C (113 °F)
- Maximum surface temperature: 80 °C (176 °F)
- Minimum operating temperature: -5 °C (23 °F)

Electrical Specification and Connections

- Power supply: Electronic auto-ranging
- Input voltage range: 100–240 V, 50/60 Hz
- Power consumption: 670 W at 230 V / 50 Hz
- Power in connector: Neutrik powerCON TRUE1
- DMX and RDM data in/out: Locking 3-pin & 5-pin XLR
- USB connector (series A)

Approvals

- CE Compliant
- cETLus Compliant

Mechanical specification

- Height: 640 mm (25.2") – head in vertical position
- Width: 396 mm (15.6")
- Depth: 230 mm (9.1")
- Weight: 22 kg (48.5 lbs)

Rigging

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

Included Items

- User Manual
- Omega Adaptor CL-regular 2 pcs
- Power cord including powerCON TRUE1 In connector

Optional Accessories

- Lamp Osram Sirius HRI 470W RO: 14080061-01
- Doughty Trigger Clamp: 17030386
- Frost I 0.5° (exchange) assembled: 10980632
- Frost I 1° (exchange) assembled: 10980633
- Frost I 5° (exchange) assembled: 10980634
- Frost I 10° (exchange) assembled: 10980635
- Frost I 20° (exchange) assembled: 10980636
- Frost I 30° (exchange) assembled: 10980637
- Frost II 0.5° (exchange) assembled: 10980638
- Frost II 1° (exchange) assembled: 10980639
- Frost II 5° (exchange) assembled: 10980640
- Frost II 10° (exchange) assembled: 10980641
- Frost II 20° (exchange) assembled: 10980642
- Frost II 30° (exchange) assembled: 10980643
- Safety wire 36 kg: 99011963
- Single Top Loader Case:
Horizontal 10120232
- Dual Top Loader Case:
Vertical 10120229
Horizontal 10120233
- Quad Top Loader Case:
Vertical 10120230
- Foam Shell:
Single Vertical 20020308
Dual Vertical 20020310
Single Horizontal 20020311

Legal

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

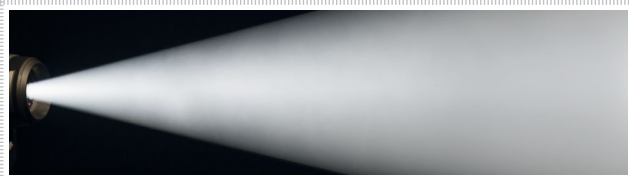
3° Min. Zoom, Spot mode



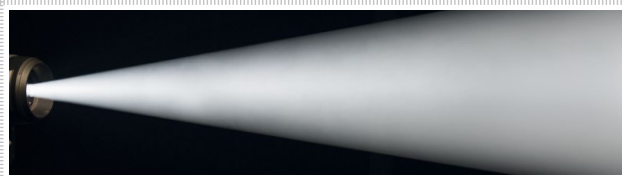
0° Min. Zoom (with beam reducer) Beam mode



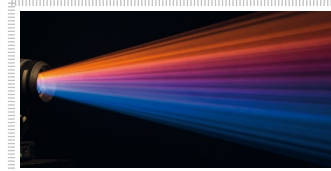
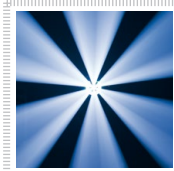
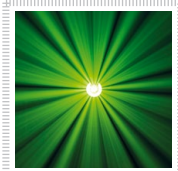
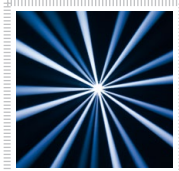
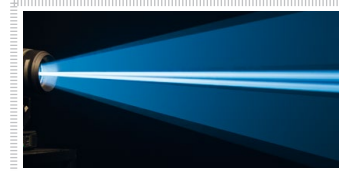
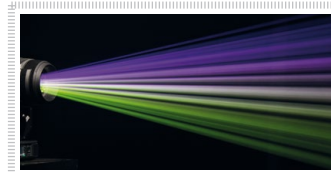
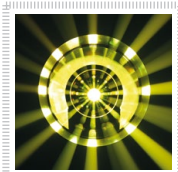
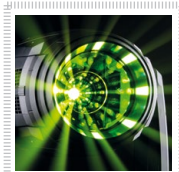
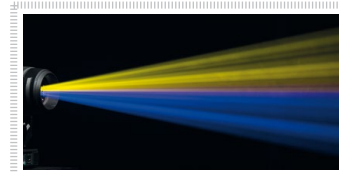
42° Max. Zoom, Spot mode



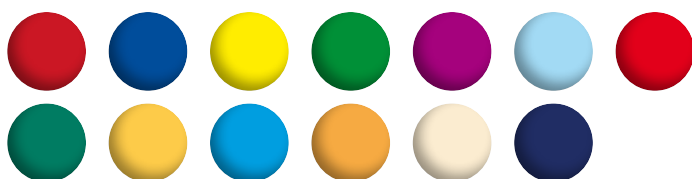
21° Max. Zoom, Beam mode



IN-Air Effects



Colour wheel



CMY Colour Mixing system:



Rotating gobo wheel

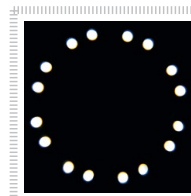
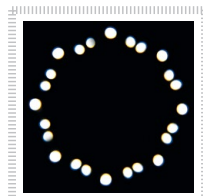
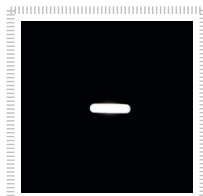
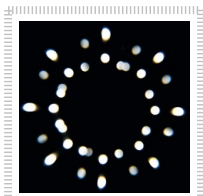
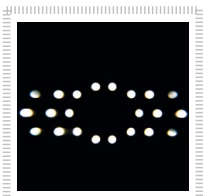
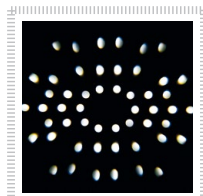
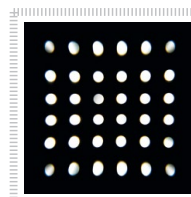
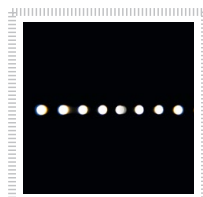
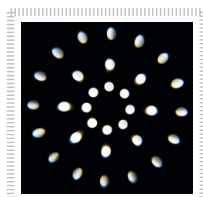
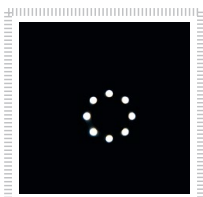
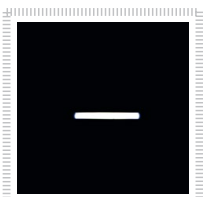
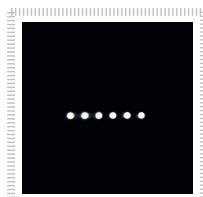


Static gobo wheel

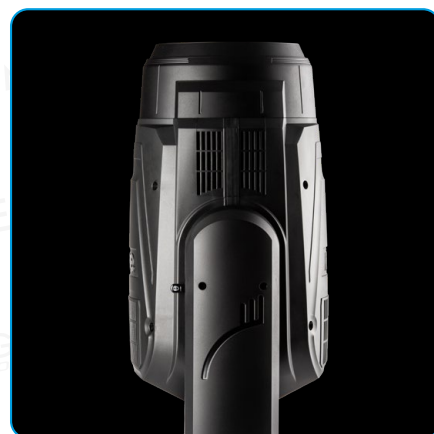
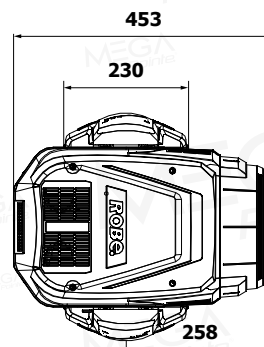
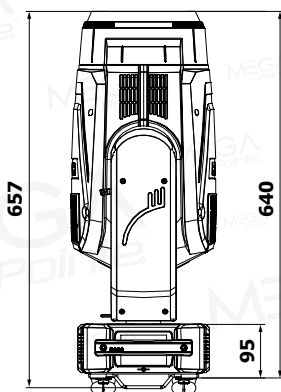
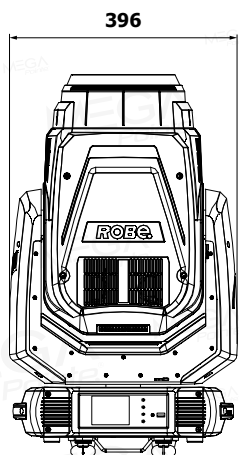


Beam and Flower Effects

Innovative Effect Engine consisting of 6 prisms placed on two wheels, producing 12 various Beam and Flower effects (Patented).



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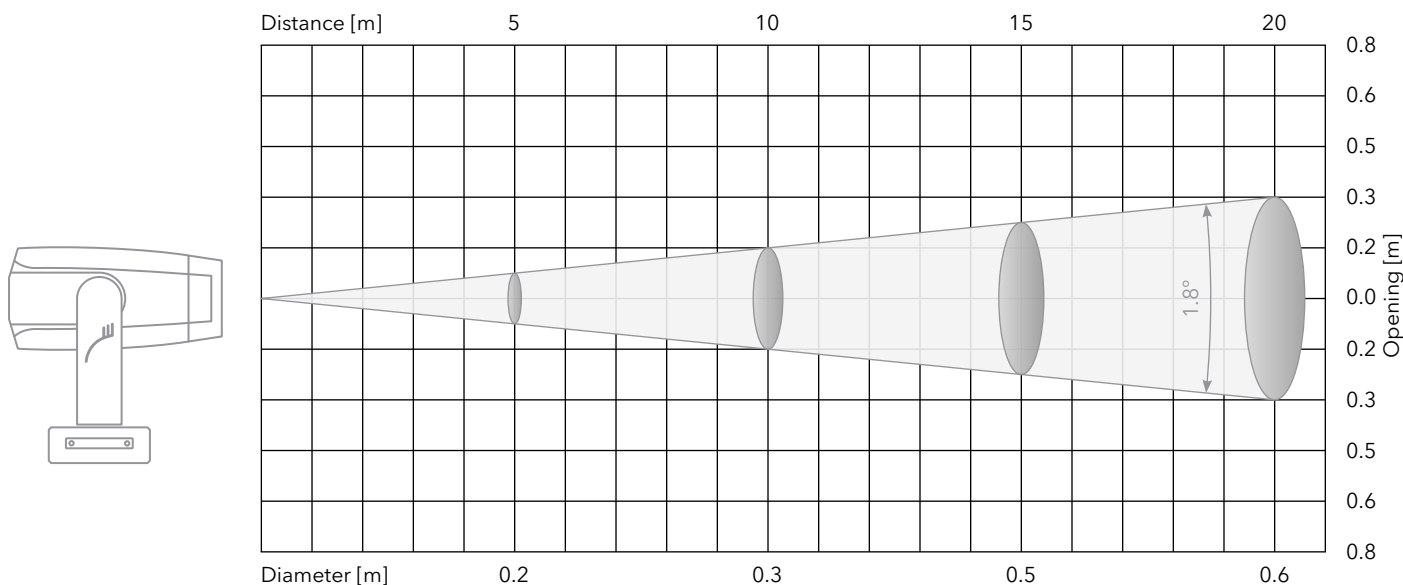


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Photometric report

Beam angle 1.8° - Min. zoom, Standard mode, Beam Application

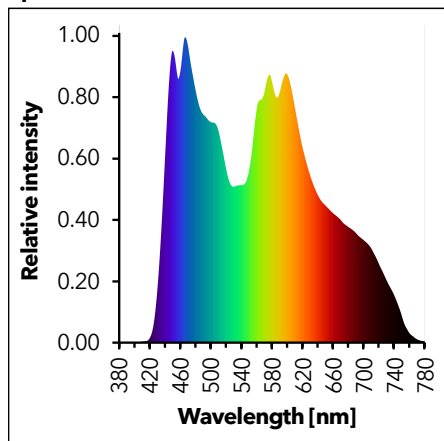
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
1.8°	13447 lm	12807 lm	55000000 cd	605 W



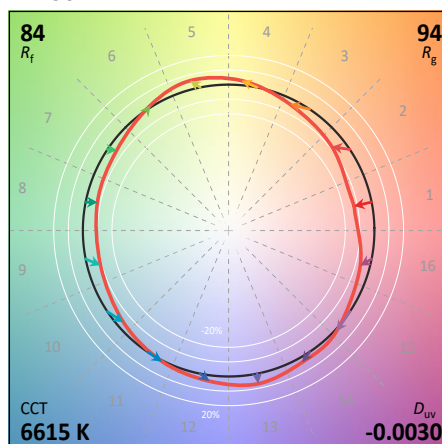
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	20 m	40 m	60 m	80 m	100 m	Total lumens
Max. Hot-Spot, Ratio 5:1	2200000/204387	550000/51097	137500/12774	34375/3194	15278/1419	8594/798	5500/511	12807
Min. Hot-Spot, Ratio 2.7:1	1336750/124188	334188/31047	83547/7762	20887/1940	9283/862	5222/485	3342/310	11040

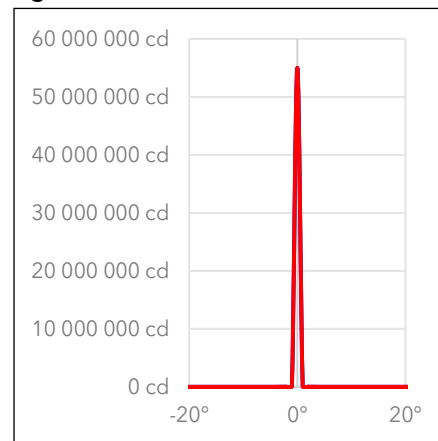
Spectrum



TM-30



Light distribution



Color temperature	CCT	6615 K
Color Deviation from Black	Duv	-0.0030
Color Coordinate CIE 1931	x	0.3125
	y	0.3170
Color Coordinate	u	0.2023
	v	0.3078

Color rendering index	CRI	83
Red component	CRI R9	19
Color fidelity	TM30 Rf	84
Color gamut	TM30 Rg	94
Television consistency Index	TLCI	64

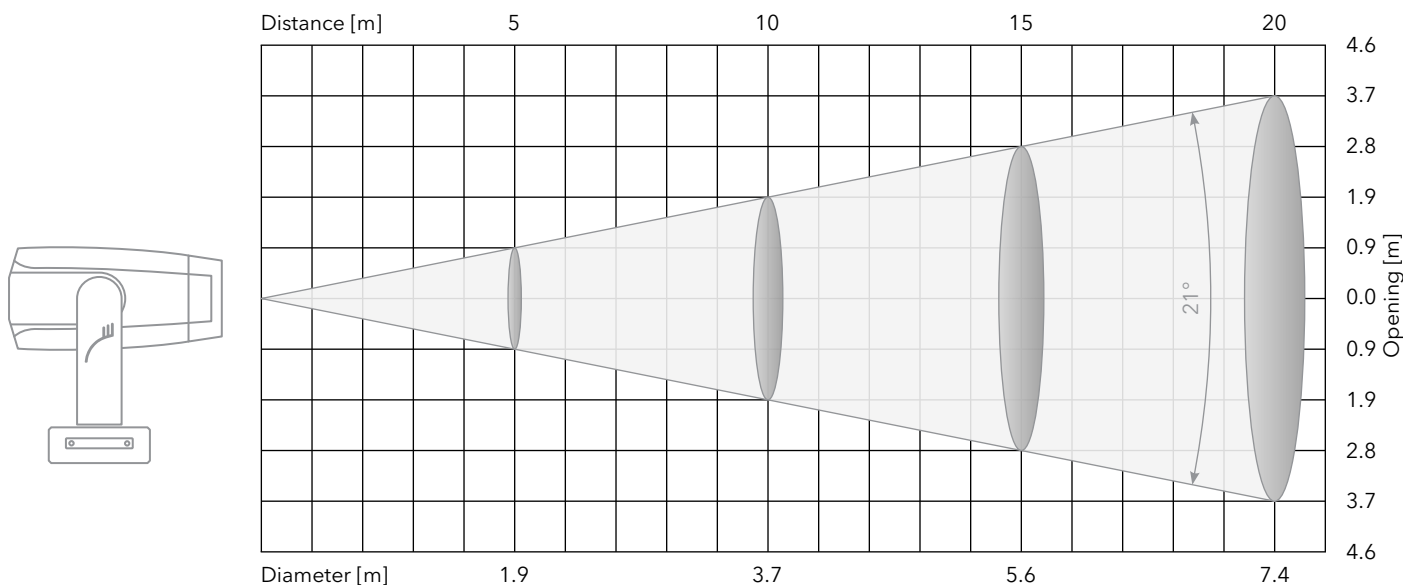
Fixture settings: CRI Setting: Standard, Close Proximity Mode Off, Hot-Spot control: 1 DMX, Lamp mode: standard
Measurement date: 08.04.2024

MegaPointe

Photometric report

Field angle 21° - Max. zoom, Standard mode, Beam Application

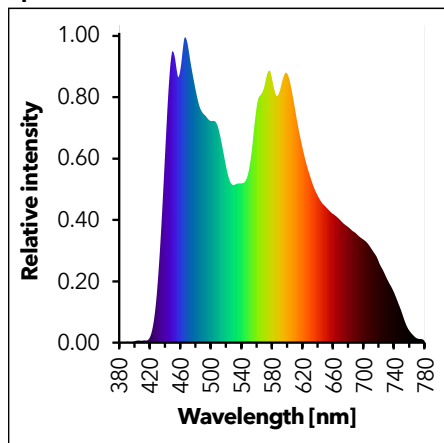
Field angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
21°	20010 lm	16008 lm	508250 cd	605 W



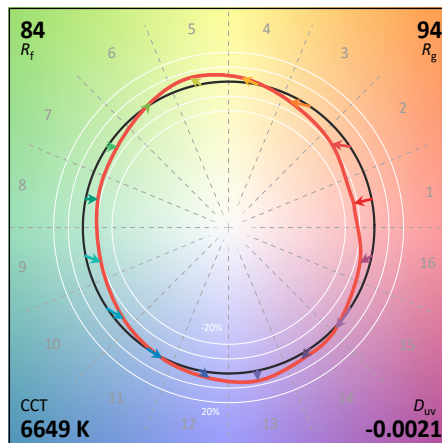
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
Max. Hot-Spot, Ratio 7:1	20330/1889	5083/472	2259/210	1271/118	565/52	318/30	203/19	16008
Min. Hot-Spot, Ratio 3.5:1	11180/1039	2795/260	1242/115	699/65	311/29	175/16	112/10	14720

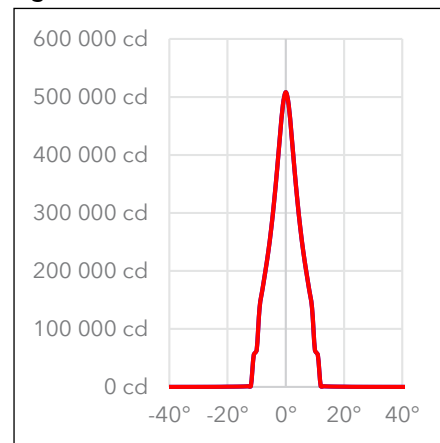
Spectrum



TM-30



Light distribution



Color temperature	CCT	6649 K
Color Deviation from Black	D_{uv}	-0.0021
Color Coordinate CIE 1931	x	0.3118
	y	0.3180
Color Coordinate	u	0.2014
	v	0.3081

Color rendering index	CRI	83
Red component	CRI R9	17
Color fidelity	TM30 R_f	84
Color gamut	TM30 R_g	94
Television consistency Index	TLCI	64

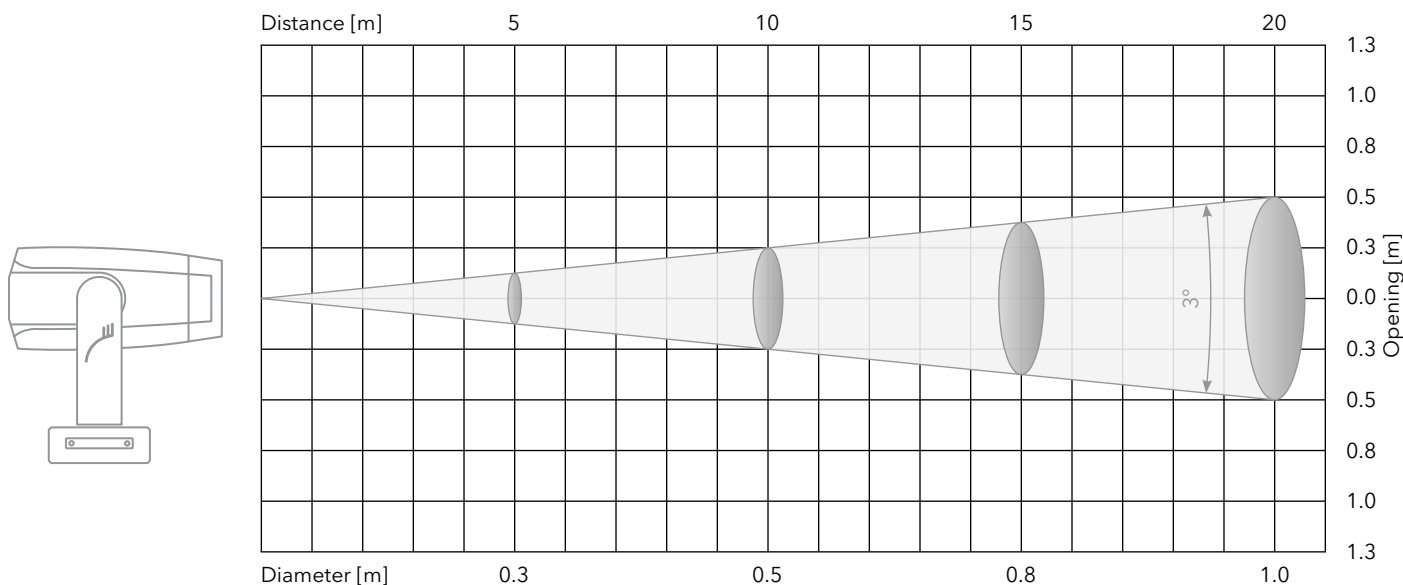
Fixture settings: CRI Setting: Standard, Close Proximity Mode Off, Hot-Spot control: 1 DMX, Lamp mode: standard
Measurement date: 08.04.2024

MegaPointe

Photometric report

Beam angle 3° - Min. zoom, Standard mode, Spot Application

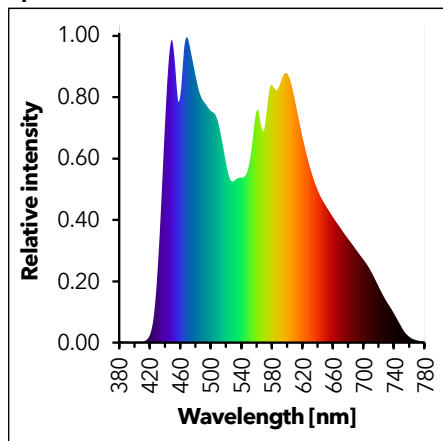
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
3°	17115 lm	16300 lm	17875000 cd	605 W



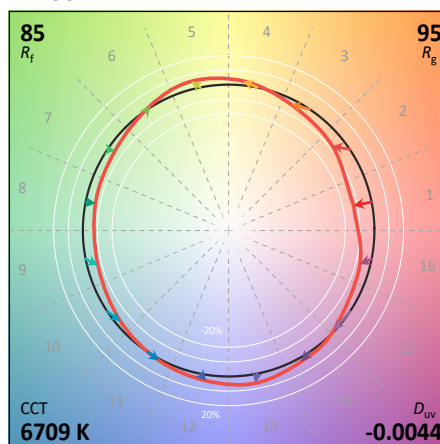
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	20 m	40 m	60 m	80 m	100 m	Total lumens
Max. Hot-Spot, Ratio 4:1	715000/66426	178750/16606	44688/4152	11172/1038	4965/461	2793/259	1788/166	16300
Min. Hot-Spot, Ratio 2.5:1	510000/47381	127500/11845	31875/2961	7969/740	3542/329	1992/185	1275/118	14240

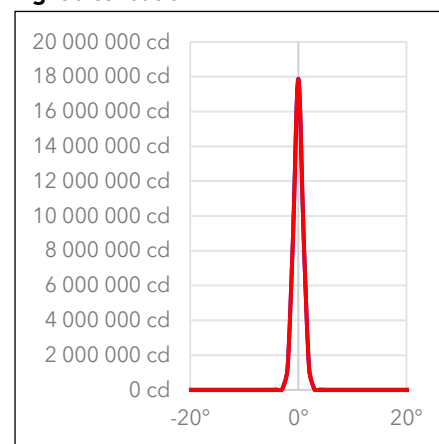
Spectrum



TM-30



Light distribution



Color temperature	CCT	6709 K
Color Deviation from Black	Duv	-0.0045
Color Coordinate CIE 1931	x	0.3116
	y	0.3133
Color Coordinate	u	0.2031
	v	0.3063

Color rendering index	CRI	85
Red component	CRI R9	19
Color fidelity	TM30 Rf	85
Color gamut	TM30 Rg	95
Television consistency Index	TLCI	66

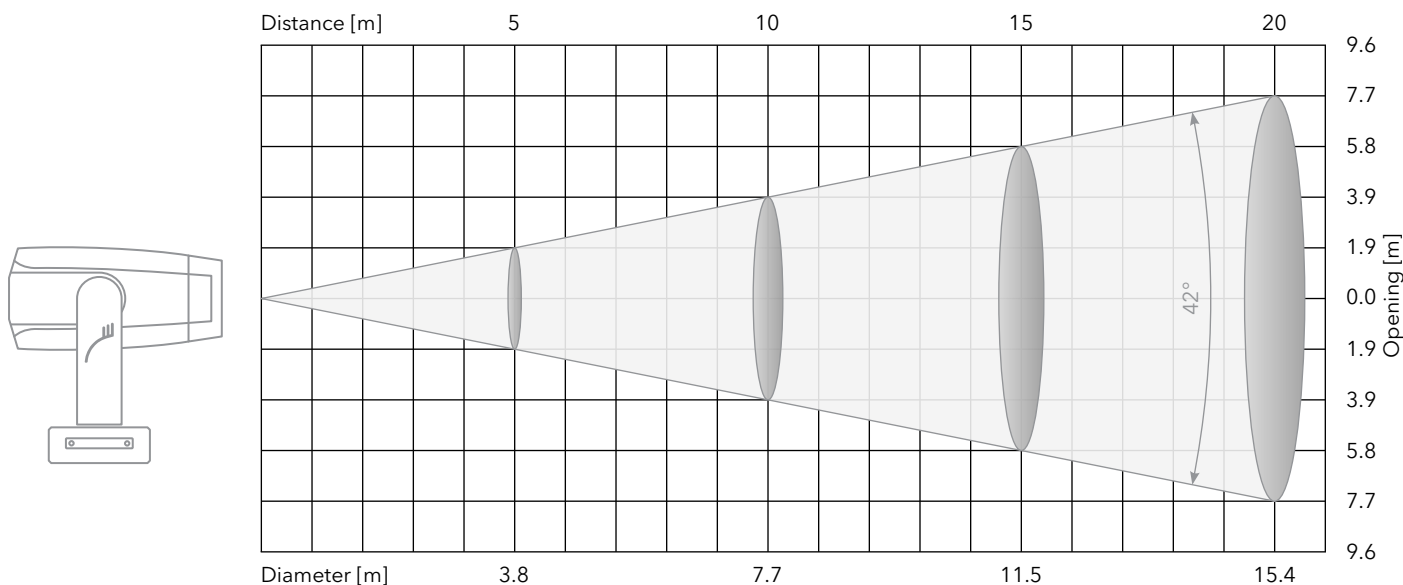
Fixture settings: CRI Setting: Standard, Close Proximity Mode Off, Hot-Spot control: 0 DMX, Lamp mode: standard
Measurement date: 08.04.2024

MegaPointe

Photometric report

Field angle 42° - Max. zoom, Standard mode, Spot Application

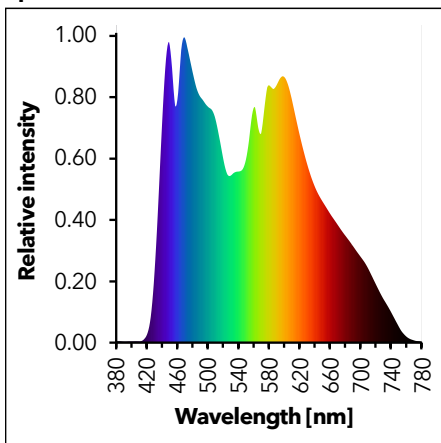
Field angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
42°	25469 lm	20375 lm	113750 cd	605 W



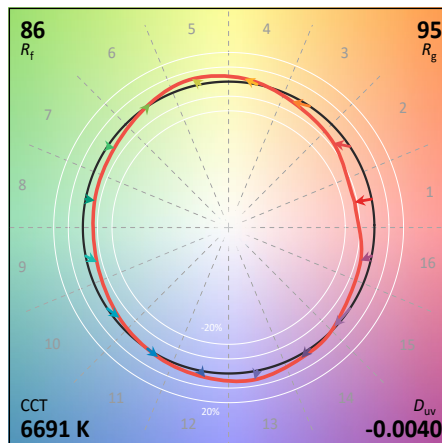
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
Max. Hot-Spot, Ratio 5:1	4550/423	1138/106	506/47	284/26	126/12	71/7	46/4.2	20375
Min. Hot-Spot, Ratio 3.2:1	3360/312	840/78	373/35	210/20	93/9	53/4.9	34/3.1	17800

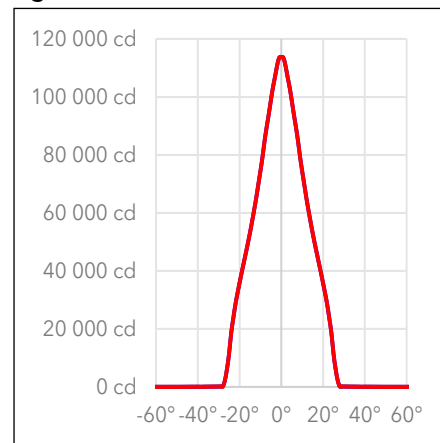
Spectrum



TM-30



Light distribution



Color temperature	CCT	6691 K
Color Deviation from Black	Duv	-0.0041
Color Coordinate CIE 1931	x	0.3117
	y	0.3142
Color Coordinate	u	0.02028
	v	0.3067

Color rendering index	CRI	86
Red component	CRI R9	23
Color fidelity	TM30 Rf	86
Color gamut	TM30 Rg	95
Television consistency Index	TLCI	69

Fixture settings: CRI Setting: Standard, Close Proximity Mode Off, Hot-Spot control: 255 DMX, Lamp mode: standard
Measurement date: 08.04.2024

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www.robe.cz



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