

ROBE®



iESPRITE® PIONEERING A NEW ERA IN OUTDOOR LUMINAIRES WITH LED ENGINES

Traditional boundaries have always existed between indoor and IP-rated outdoor fixtures. IP-rated fixtures were always heavier and bulkier, often featuring less output. They were distinctly different.

Now, with game-changing technologies and a new, totally innovative approach, the IP65-rated iESPRITE® negates the traditional weight penalty associated with IP-rated fixtures having similar weight to the indoor ESPRITE®.

With class-leading form factor, size and appearance, and all the features and identical performance of the indoor original, iESPRITE® once again enables seamless integration between models, even on the same truss if desired!

The ingenious ingress protection system has been specifically designed to allow standard maintenance and preparation procedures to reduce workshop time.

The new iSE-TE™ TRANSFERABLE ENGINE technology maintains IP integrity, again needing no additional tools, with engine transfer capable of being conducted on-site for quick turnaround. Engine choices provide task flexibility.

Building on the tradition of renowned Robe ingenuity, the onboard RAINS™ (Robe Automatic Ingress Neutralization System) manages humidity, temperature and pressure control. The active monitoring system automatically removes any moisture detected within the fixture.

Constant monitoring ensures peak performance. The patent pending system allows the fixture to run a self-contained pressure test to ensure protection integrity.

Their lightweight magnesium alloy covers, with aluminium alloy structure, provide a dust-free environment for the optics, eliminating the need for frequent cleaning, routine maintenance, and UV damage to plastic parts.

To maintain consistently high lumen output, even with the rigours of outdoor performance, water, dirt, dust, haze, and smoke are repelled from the front lens with our unique parCoat™ (particle resistant coating) hydrophobic and oleophobic coatings.

Removing the need for distracting pre-use pan and tilt calibration movement, our patented MAPS™ (Motionless Absolute Positioning System) allows the fixture to fully calibrate while remaining static. Very useful when fixtures are located within confined spaces.

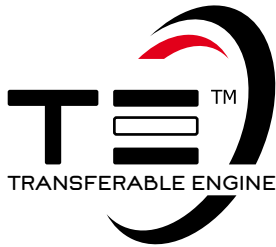
iESPRITE® features a power saving mode with POLAR+™ technology, ensuring instant availability, even in extremely cold conditions.

By including NFC (Near-Field Communication) technology, setup, diagnostic and performance features are easily accessible, even without power, via your mobile device using the Robe Com app.

Of course, iESPRITE® is fully compatible with our industry-leading RoboSpot™ remote-controlled follow spot system.

iESPRITE® will change the way you view and use high performance IP rated luminaires.





Robe's iSE-TE™ – TRANSFERABLE ENGINE guides performance lighting into the great outdoors.

Our reputation for innovative design, hard-earned over more than 30 years, is the result of asking questions, listening to customers, and repeatedly redefining the boundaries of technology.

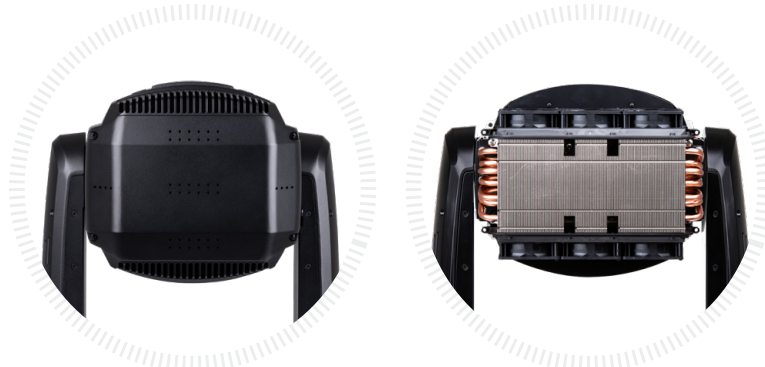
We have the most forward-thinking engineers and designers in our industry. **TRANSFERABLE ENGINES** addressed the problem that white source LED engines do not last forever and vary in colour consistency over time. We then met the clamour to extend these to task-specific engines, such as the HCF (High Colour Fidelity) variant. Finally, we wanted to extend these engines and all their inherent advantages to our outdoor luminaires.

Exploiting the advantages of **TRANSFERABLE ENGINES** without introducing complicated procedures to handle the challenges of humidity and moisture, an intensive developmental process resulted in the IP65-rated iSE-TE™ White LED engines for our iSERIES range of outdoor profiles- the iFORTE®, iESPRITE® and iPAINTE®. With identical DMX maps and performance, similar weights and form factors, these **TRANSFERABLE ENGINE** equipped IP65 protected fixtures can be seamlessly interchanged with their indoor equivalents and be used together, even on the same truss, without consequence.

The IP65-rated **iSE-TE™** engines still enable easy, rapid engine exchange, data harvesting and source selection without compromising their protection, allowing engine changes in the field. To ensure the very best performance and consistency, they are again designed, developed, patented and manufactured within our factory in the Czech Republic.

Every Robe **iSE-TE™ TRANSFERABLE ENGINE** has its own, unique, memory. All engine data stays with the engine, meaning when you transfer it to a new fixture, the data travels with it.

All data stored on the **iSE TRANSFERABLE ENGINE** is easily accessible through Near Field Communication (NFC) technology via the ROBE COM app. This provides direct access to the engine information. This includes engine type and serial number; full module installation history; intensity compared to initial performance; hours worked, and much more.





All data is available without powering the engine while sitting on your shelf, giving you the same instant accessibility. Furthermore, when the module is installed in a fixture, the data is available directly from the fixture display.

Our **iSE TRANSFERABLE ENGINES** are fast-changing, taking under 5 minutes. They require no special tools, complex procedures or return to workshop or agent. With no alignment or calibration needed you have a rapid “lamp-like” exchange.

Robe **iSE TRANSFERABLE ENGINES** are very economical, costing approximately twice the price of high-performance discharge lamps.

Combined with the advantages of LED, you now have the tools available to maintain a high level of light consistency across your inventory.

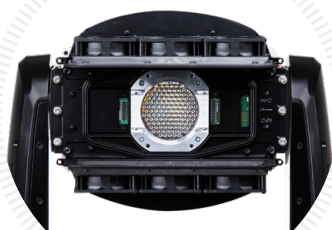
Transferable means a new engine at a lower cost, compared to a replacement engine at a far higher price. With no warranty or reduced LED lifetime issues, they carry a four-year 20.000-hour warranty.

Another benefit of the self-referencing engines is their ability, via our unique software, to give you a visual performance reference. Being able to quickly set the outputs to a consistent level, even while the fixtures are up in the rig, will save you a lot of time in the pressurised world of touring.

Robe fixtures utilising the **iSE TRANSFERABLE ENGINES** technology have been deliberately designed with built in capacity to take advantage of possible future LED engine development. This forethought, combined with their ease of transfer, will give you an even greater luminaire longevity.

In line with our stringent Green Policy, when the engines have reached the end of their life, we have the Robe **iSE TRANSFERABLE ENGINES** free return for recycling offer, making them very Eco-friendly.

The **iSE TRANSFERABLE ENGINES** concept pioneers a new era in IP-rated luminaires using white source LED engines. It gives you the ability to cost-effectively maintain a high level of quality light consistency across your inventory while ensuring the highest level of return on your investment.





Make outdoor lighting complications and stress a thing of the past! Our no-compromise, self-maintaining, revolutionary iESPRITE® delivers consistent, hassle-free performance without complex maintenance procedures, whatever the weather or atmospheric conditions.

The IP65-rated iESPRITE® combines our latest protection technology with the highly desired ESPRITE® maintaining identical output and feature-rich effects in a fully protected package capable of handling all the challenges of outdoor environments.

Joining the Robe iSeries iESPRITE® again negates the traditional weight penalty associated with IP-rated fixtures having similar weight to the indoor ESPRITE®. With class-leading form factor, size and appearance, and all the features and identical performance of the indoor original, iESPRITE® once again enables seamless integration between models, even on the same truss if desired!

The ingenious ingress protection system has been specifically designed to allow standard maintenance and preparation procedures, such as TRANSFERABLE ENGINE exchange and gobo replacement, without any additional tools, as gobo changes or maintenance work can be done on-site. The onboard patented RAINS™ (Robe Automatic Ingress Neutralization System) manages humidity, temperature and pressure control

using an active monitoring system that automatically removes any moisture detected within the fixture and provides constant monitoring to ensure peak performance.

iESPRITE® runs an ingenious Self Pressure Test to check internal pressure. This self-test, taking less than 3 minutes, provides an error message if gaskets and covers were not replaced correctly or locking screws were incorrectly tightened, ensuring maximum protection.

Their lightweight magnesium alloy covers, with aluminium alloy substructure, provide a dust-free environment for the optics. This eliminates the need for frequent cleaning, routine maintenance, and UV damage to plastic parts. To maintain consistently high lumen output, even with the rigours of outdoor performance, water, dirt, dust, haze, and smoke are repelled from the front lens with our unique parCoat™ hydrophobic, oleophobic-resistant coating. Furthermore, it allows easy removal of deposits without scratching or damage.

By including NFC (Near-Field Communication) technology, you can access setup, diagnostic and performance features, even when the fixture is not powered directly from your mobile device using the Robe Com app.

Outdoor fixtures need to operate in extreme cold. iESPRITE® contains an innovative POLAR+™ technology - a special standby mode with low power consumption, in which the fixture's sensors and communications channels continue to function. When activated, POLAR+™ automatically maintains an internal temperature level, giving instant operability down to minus 50 degrees centigrade!

iESPRITE® is available with a choice of patented IP65-rated TE-iSE™ 650W White LED TRANSFERABLE ENGINES; HP (High Performance) 6.700 K, 34.000 lm CRI70; HCF (High Colour Fidelity) 6.000 K, 22.800 lm CRI 96.

The identical 9:1 zoom optical system, with a 5.5° to 50° zoom range, provides all the flexibility you need. Our cutting-edge CMY colour mixing system provides beautifully smooth mixing and transitions. Combined with two colour wheels, CRI 80 and 90 filters (HP Engine), and a variable CTO from 3.000 – 6.700 K give iESPRITE® total colour finesse. With the patented Plano4™ four individual plane framing shutters; one rotating fully indexable and one static gobo wheel; an animation wheel; a 6-facet bi-directional variable speed prism and two MagFrost™ 1° and 5° frosts, you have all the creative tools you need. Removing the need for distracting pre-use pan and tilt calibration movement, our patented MAPS™ (Motionless Absolute Positioning System) allows the fixture to fully calibrate while remaining static. Very useful when located within confined spaces.

For those requiring maintained network connectivity, we have Epass™ available as standard. Our REAP™ (Robe Ethernet Access Portal) allows access to fixture information and diagnostics over Ethernet Networks. Perfect for installations requiring remote centralised monitoring of fixture performance. Important for television users, Cpulse™ provides flicker-free management of the latest camera systems, and ChromaTint™ for direct green/magenta content control.

iESPRITE® is fully compatible with our industry-leading RoboSpot™ remote-controlled follow-spot system.

iESPRITE® - Robe reliability in all weathers.



Source

- Light source type: **TE-iSE™ 650W HP White LED Engine** (Patented)
 - HP - High Performance Engine for maximum light output and optimal colour characteristics
 - LED Engine output: 55.000 lm
 - Fixture total lumen output: 34.000 lm (integrating sphere) 27.000 lm (goniophotometer)
 - Colour temperature output: 6.700K
 - CRI: 70, remotely selectable filters for CRI 80 and CRI 90
 - Illuminance: 85.000 lx @ 5 m
- Light source type: **TE-iSE™ 650W HCF White LED Engine** (Patented)
 - HCF - High Colour Fidelity Engine for the best light quality and colour reproduction
 - LED Engine output: 37.500 lm
 - Fixture total lumen output: 22.800 lm (integrating sphere) 18.300 lm (goniophotometer)
 - Colour temperature output: 6.000K
 - CRI: 96, TLCI: 97, TM-30-18 Rf: 92, TM-30-18 Rg: 99
 - Illuminance: 59.000 lx @ 5 m
 - LED life expectancy: min. 50.000 hours
 - Typical lumen maintenance: L70/B50 @ 50.000 hours
 - Light source warranty: 4 years or 20.000 hours

Optical System

- Robe's proprietary optical design
- High-efficiency 13-lens zoom optical system, ratio: 9:1
- Zoom range: 5.5° - 50°
- Output lens diameter: 150 mm
- parCoat™ - (particle resistant coating) unique hydrophobic and oleophobic coating helps prevent water, dirt, dust, haze and smoke from adhering to the output lens

Dynamic Effects and Features

- Cyan: 0 - 100%
- Magenta: 0 - 100%
- Yellow: 0 - 100%
- Variable CTO: 3.000K - 6.700K
- ChromaTint™ - Patented plus / minus green correction function
- Colour Wheel 1: 5 fixed dichroic colours + white
- Colour Wheel 2: 5 fixed dichroic colours + white
- Framing shutters: Patented Plano4™ framing shutters module with 4 individually positionable blades plus rotation of the complete frame system + - 60°
- Rotating gobo wheel: 7 rotating, indexable and replaceable breakup and aerial gobos + open, patented slot & lock system
- Static gobo wheel: 9 static and replaceable gobos + open
- Animation wheel: Aluminium animation wheel, used alone or in combination with gobos, rotating in both directions at variable speed
- Prism: 6-facet prism rotating in both directions at variable speed
- Iris: Motorized, stepless, pulse effects up to 3 Hz
- MagFrost™ - magnetic paddle fast change system providing exchangeable frosts containing as standard a very light 1° for instant softening of the projected gobo or framing shutters, and a medium 5° for even wash, both specifically selected for theatre and TV use
- HSL™ - Hot-Spot Lens for LED profiles: from flat field to 6:1 hot-spot (optional)
- Motorized zoom and focus
- Electronic strobe effect with variable speed up to 20 Hz
- High resolution electronic dimming: 0 - 100%
- L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black
- Cpulse™ - special flicker-free management for HD and UHD cameras, ready for 8K and 16K

- AirLOC™ - (Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance.
- POLAR+™ for power saving and instant operation in extremely cold weather conditions

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 2 editable programs (each up to 80 steps), built-in analyser for easy fault finding, NFC app controller
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
- REAP™ - Robe Ethernet Access Portal
- Wireless CRMX™ technology from Lumen Radio
- Epass™ - Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity
- RAINS™ - (Robe Automatic Ingress Neutralization System) manages humidity, temperature and pressure control using an active monitoring system to automatically remove any moisture detected within the fixture and provides constant monitoring to ensure peak performance
- DMX Protocol modes: 4
- Control channels: 49, 42, 50, 43
- Pan & Tilt resolution: 16 bit
- CMY & CTO: 8 bit
- + - Green correction: 8 bit
- Colour wheel positioning: 8 or 16 bit
- Framing shutters module movement & rotation: 8 bit
- 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 bit
- Iris: 8 or 16 bit
- Frost: 8 bit
- Zoom: 8 or 16 bit
- Focus: 8 or 16 bit
- Dimmer: 8 or 16 bit (internal 18 bit)

Movement

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

Rotating Gobos

- 7x rotating glass gobos
- Outside diameter: 26.8 mm
- Image diameter: 23.5 mm
- Thickness: 1.1 mm
- Max. thickness: 3.5 mm
- High temperature borofloat or better glass
- Patented slot & lock system for easy replacement of gobos

Static Gobos

- 9x static glass gobos
- Outside diameter: 26.8 mm
- Image diameter: 23.5 mm
- Thickness: 1.1 mm
- High temperature borofloat or better glass

Effect Wheel

- Single animation wheel
- Material: Aluminium
- Can be used alone or in combination with rotating gobos
- Rotating in both directions at variable speed

Framing Shutters System

- Patented Plano4™ framing shutters module
- Shutters: 4 Blades, each with separate movement and +- 25° rotation control
- Movement: Smooth with variable speed, ultra-fast for creating mid-air effects
- Rotation: +- 60° of the complete framing system

Thermal Specification

- Maximum ambient temperature: 50°C (122°F)
- Maximum surface temperature: 80°C (176°F)
- Minimum operating temperature: -50°C (-58°F)
- Total heat dissipation: max. 2430 BTU/h (calculated)

Noise Levels

- Sound pressure level: 27 dB(A) at 1 m (quiet mode)
42 dB(A) at 1 m (auto mode)
- Sound power level: 35 dB(A) (quiet mode)
50 dB(A) (auto mode)

Electrical Specification and Connections

- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption:
Standard mode max. 870 W at 230 V / 50 Hz
High-power mode max. 950 W at 230 V / 50 Hz
- Power connector in: Neutrik powerCON TRUE1
- DMX and RDM data in/out: Locking 5-pin XLR
- Ethernet port in: IP65 RJ45 connector
- Ethernet port in/out: RJ45, for Embedded Epass™ switch 10/100 Mbps

Approvals

- CE Compliant
- cETLus Compliant

Environmental Information

- GWP (Global Warming Potential) total in modules A1-A3 (according LCA): 612 Kg CO2e
- EPD registration number: EPD-IES-0017187:002

Mechanical Specification

- Height: 756 mm (29.76") - head in vertical position
- Width: 458 mm (18.03")
- Depth: 289 mm (11.37") - head in vertical position
- Weight: 34 kg (75 lbs)
- Ingress protection rating: IP65

Rigging

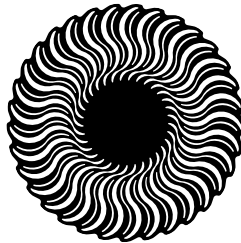
- Mounting positions: 0°, 90°
- Universal operating position
- Mounting points: 5 pairs of 1/4-turn locking points
- 2x Omega adaptors with 1/4-turn quick locks
- Safety cable attachment point
- Pan & Tilt transport locks

Included Items

- User Manual
- Omega Adaptor CL-regular 2 pcs: 10980033
- Power cord including powerCON TRUE1 In connector: US:13052277-01
EU:13052276-01

Optional Accessories

- iESprite iSE-TE™ 650W HP White LED Engine: 14080086
- iESprite iSE-TE™ 650W HCF White LED Engine: 14080087
- Frost 0.5° (exchange) assembled: 10980583
- Frost 10° (exchange) assembled: 10980497
- Frost 20° (exchange) assembled: 10980574
- Frost 30° (exchange) assembled: 10980584
- Hot-Spot lens in gobo holder: 10980483
- Gel frame adaptor: 10980463
- Gel frame: 10980464
- Doughty Trigger Clamp: 17030386
- Omega Adaptor Tall CL - 2 pcs in box: 10980501
- Safety wire 36 kg: 99011963



Animation Wheel

The new aluminium animation wheel can be used alone or in combination with gobos. The animation wheel is rotating in both directions at variable speed.

- Single Top Loader Case: 10120312
- Dual Top Loader Case: 10120313
- Foam Shell: 20020464
- Top Hat: 10980568

Legal

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



Colour Wheel 1



Colour Wheel 2



Static Gobo Wheel



Rotating Gobo Wheel



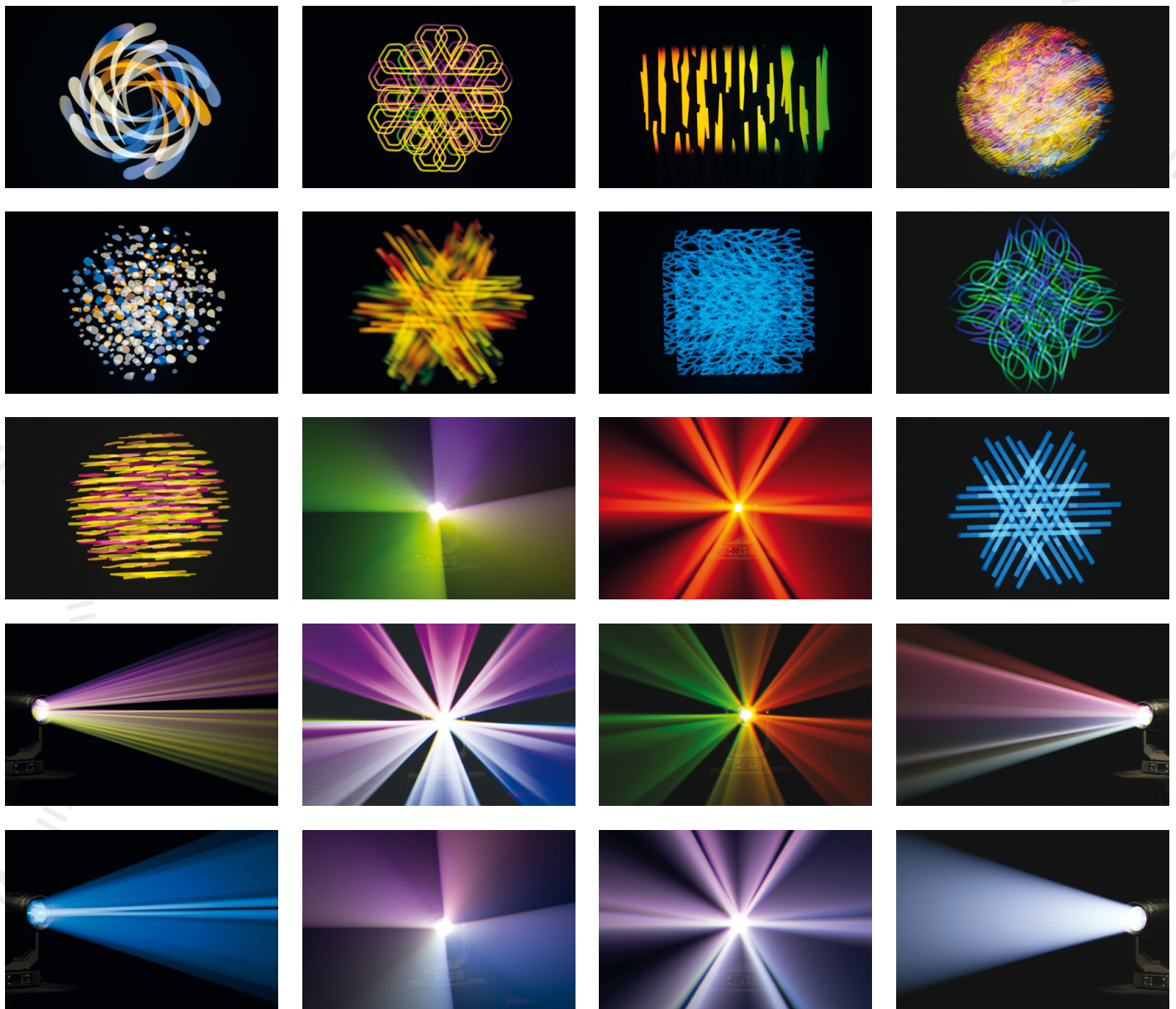
Framing Shutters Module

iESPRITE® uses Robe's patented Plano4™ system of four, fast, smooth moving, shutter blades, which can be individually angled and positioned. The whole module assembly can further rotate ± 60 degrees. Thanks to the unique design, all four blades can be focused at the same time and can be further softened by applying a light 1° frost giving the edges soft diffusion which is required in TV and Theatres. Shutters are precisely calibrated in the factory to ensure maximum accuracy and repeatability of programmed framing shapes.



Impressive Aerial and Graphic Effects

iESPRITE® will excite you with numerous possibilities for animations and mid-air effects thanks to two gobo wheels with carefully selected break-up and aerial gobos which can be further combined with a 6-facet rotating prism, animation wheel, split colours and a special multi-colour filter. By using these features, you will achieve interesting animations and effects like clouds, rain, water, fire and more abstract morphing images.

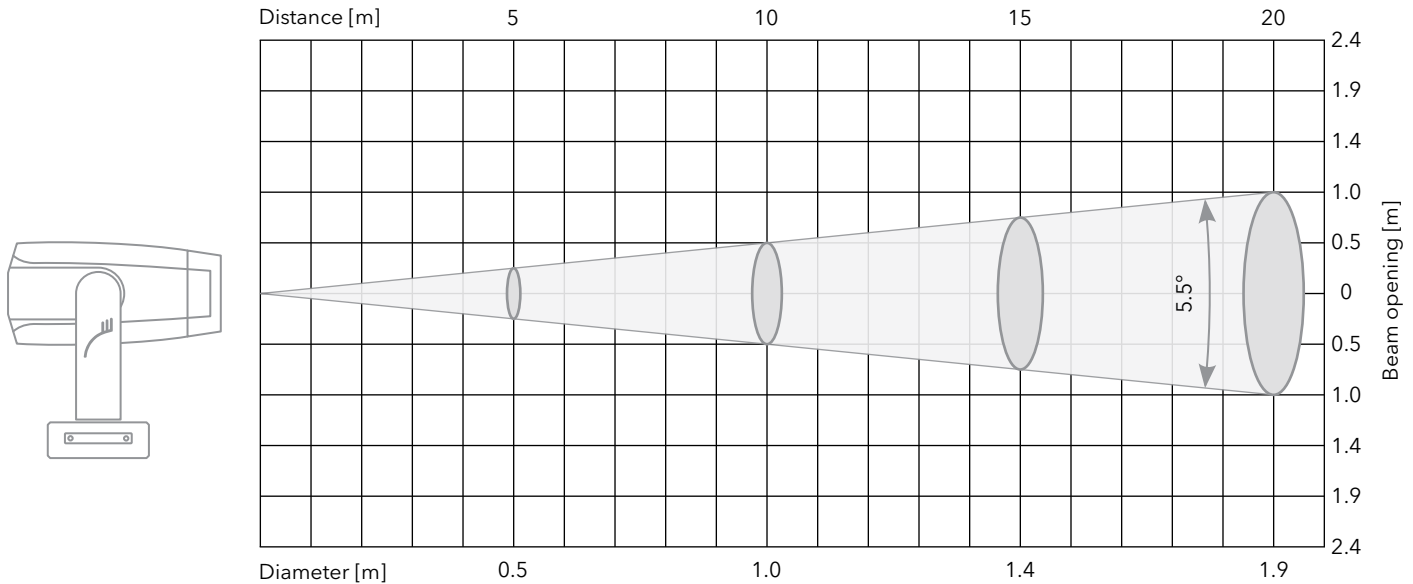


iEsprite HP

Photometric report

Beam angle 5.5° - Min. zoom - CRI 70

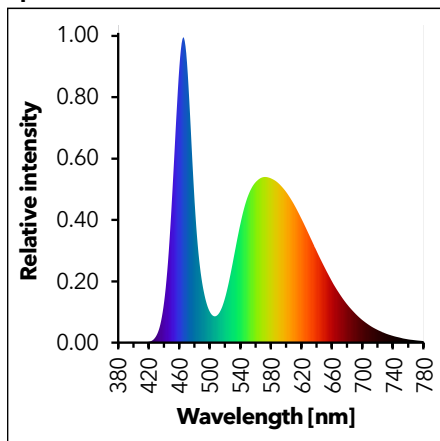
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
5.5°	17987 lm	16352 lm	2083025 cd	945 W



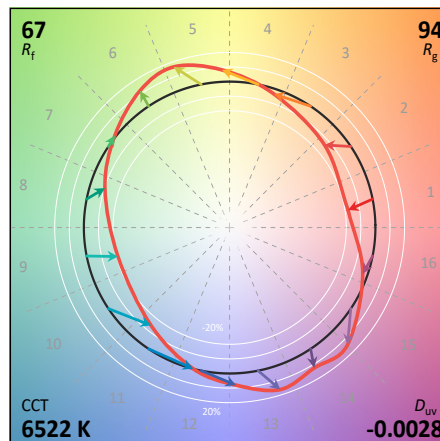
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High-Power Mode	83321/7741	20830/1935	9258/860	5208/484	2314/215	1302/121	833/77	16352
Auto Fan Mode	73885/6864	18471/1716	8209/763	4618/429	2052/191	1154/107	739/69	14500
High Fan Mode	78603/7302	19651/1826	8734/811	4913/456	2183/203	1228/114	786/73	15426
Quiet Fan Mode	54255/5040	13564/1260	6028/560	3391/315	1507/140	848/79	543/50	10648

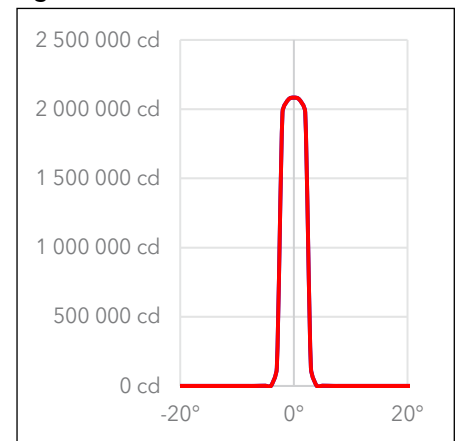
Spectrum



TM-30



Light distribution



Color temperature	CCT	6522
Color Deviation from Black	Duv	-0.0028
Color Coordinate CIE 1931	x	0.3138
	y	0.3187
Color Coordinate	u	0.02026
	v	0.3086

Color rendering index	CRI	69
Red component	CRI R9	-25
Color fidelity	TM30 Rf	67
Color gamut	TM30 Rg	94
Television consistency Index	TLCI	42

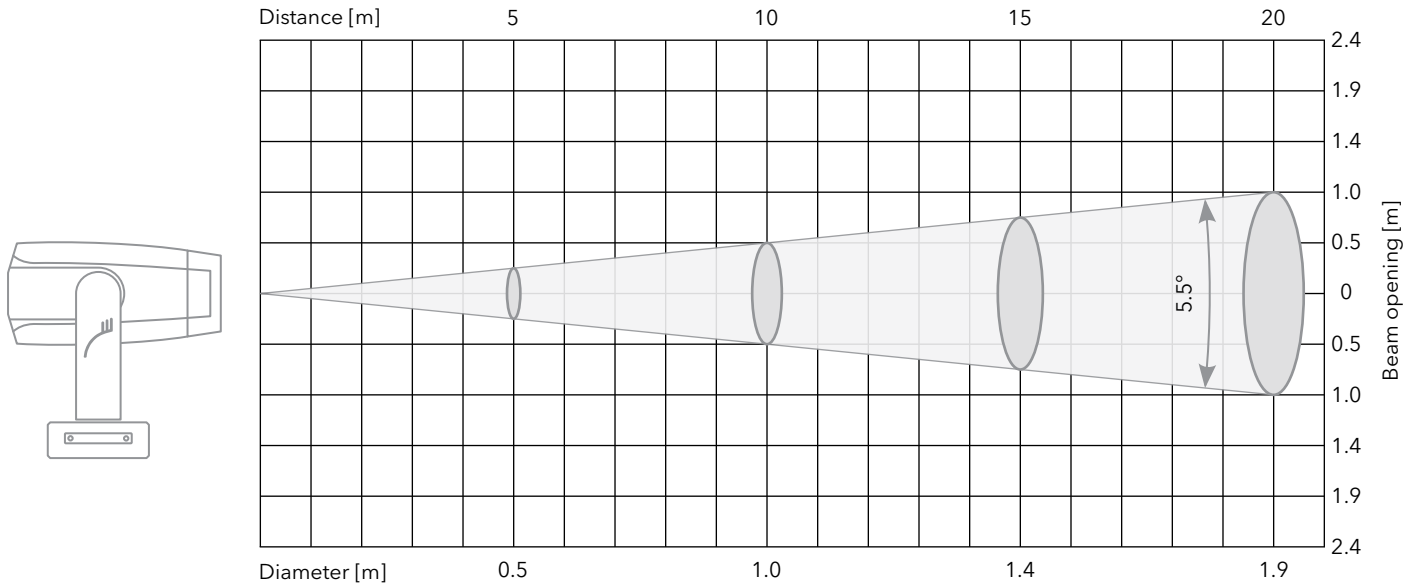
Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

iEsprite HP

Photometric report

Beam angle 5.5° - Min. zoom - CRI 80

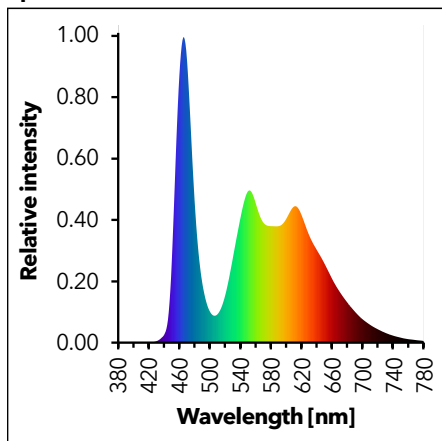
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
5.5°	16484 lm	13187 lm	1679875 cd	945 W



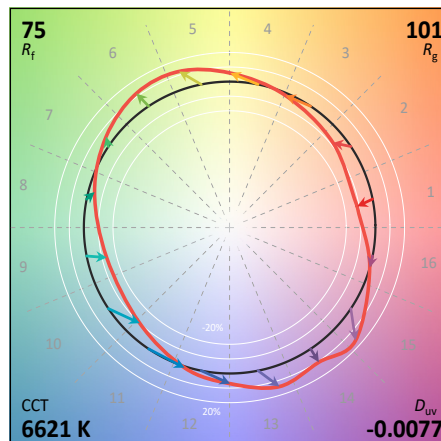
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High-Power Mode	67195/6243	16799/1561	7466/694	4200/390	1867/173	1050/98	672/62	13187
Auto Fan Mode	59585/5536	14896/1384	6621/615	3724/346	1655/154	931/86	596/55	11694
High Fan Mode	63390/5889	15848/1472	7043/654	3962/368	1761/164	990/92	634/59	12440
Quiet Fan Mode	43754/4065	10939/1016	4862/452	2735/254	1215/113	684/64	438/41	8587

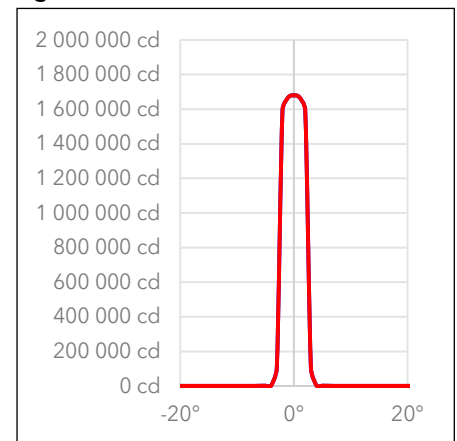
Spectrum



TM-30



Light distribution



Color temperature	CCT	6621
Color Deviation from Black	Duv	-0.0077
Color Coordinate CIE 1931	x	0.3136
	y	0.3095
Color Coordinate	u	0.2061
	v	0.3051

Color rendering index	CRI	80
Red component	CRI R9	19
Color fidelity	TM30 Rf	75
Color gamut	TM30 Rg	101
Television consistency Index	TLCI	59

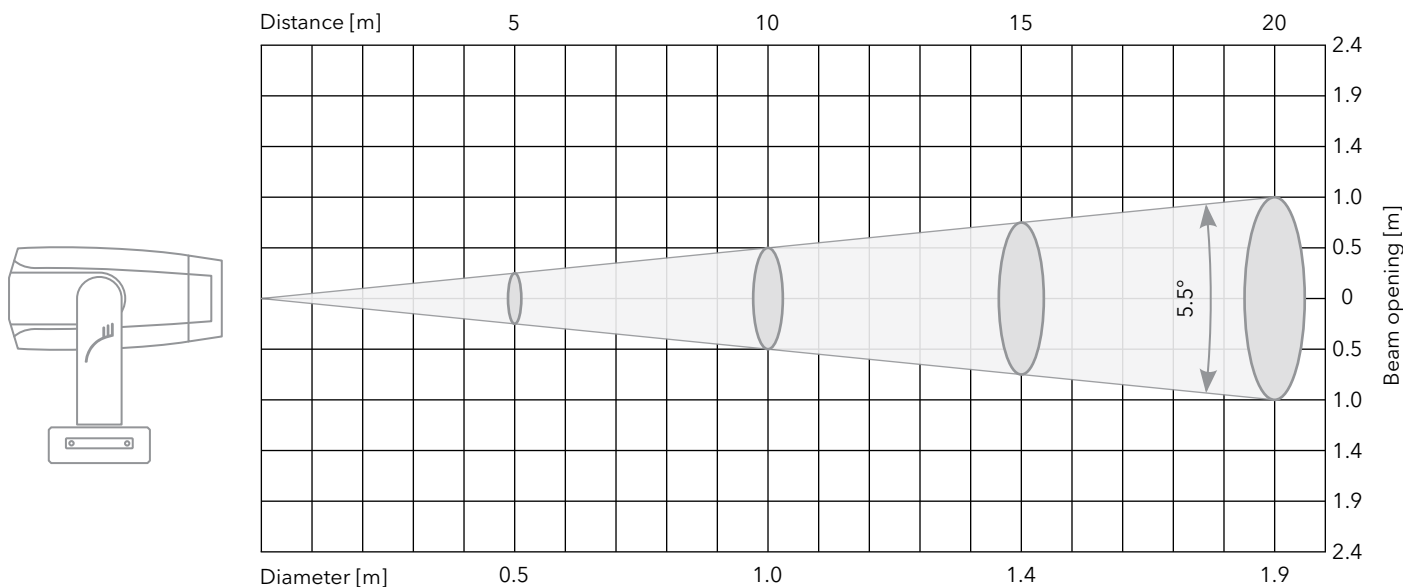
Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

iEsprite HP

Photometric report

Beam angle 5.5° - Min. zoom - CRI 90

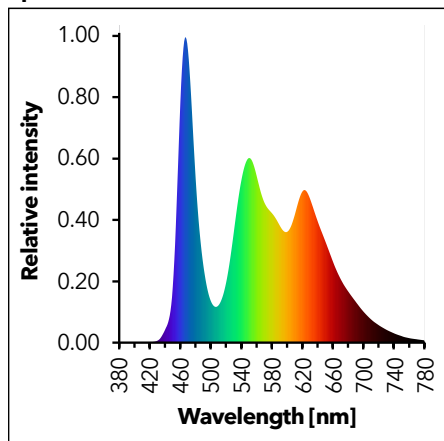
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
5.5°	14343 lm	11474 lm	1461600 cd	945 W



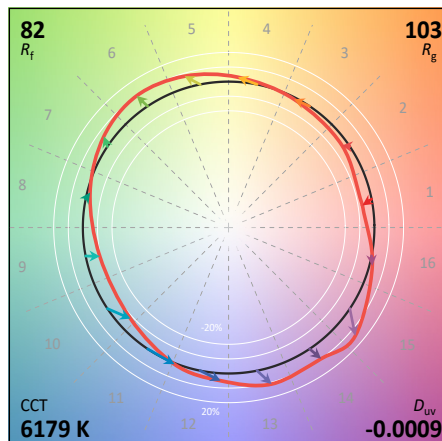
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High-Power Mode	58464/5431	14616/1358	6496/603	3654/339	1624/151	914/85	585/54	11474
Auto Fan Mode	51843/4816	12961/1204	5760/535	3240/301	1440/134	810/75	518/48	10175
High Fan Mode	55154/5124	13789/1281	6128/569	3447/320	1532/142	862/80	552/51	10824
Quiet Fan Mode	38069/3537	9517/884	4230/393	2379/221	1057/98	595/55	381/35	7471

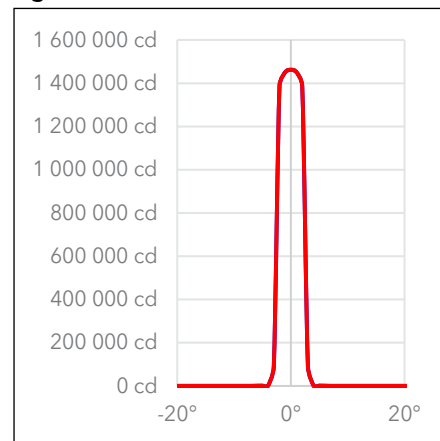
Spectrum



TM-30



Light distribution



Color temperature	CCT	6179
Color Deviation from Black	Duv	-0.0010
Color Coordinate CIE 1931	x	0.3190
	y	0.3270
Color Coordinate	u	0.2030
	v	0.3121

Color rendering index	CRI	85
Red component	CRI R9	44
Color fidelity	TM30 Rf	82
Color gamut	TM30 Rg	103
Television consistency Index	TLCI	75

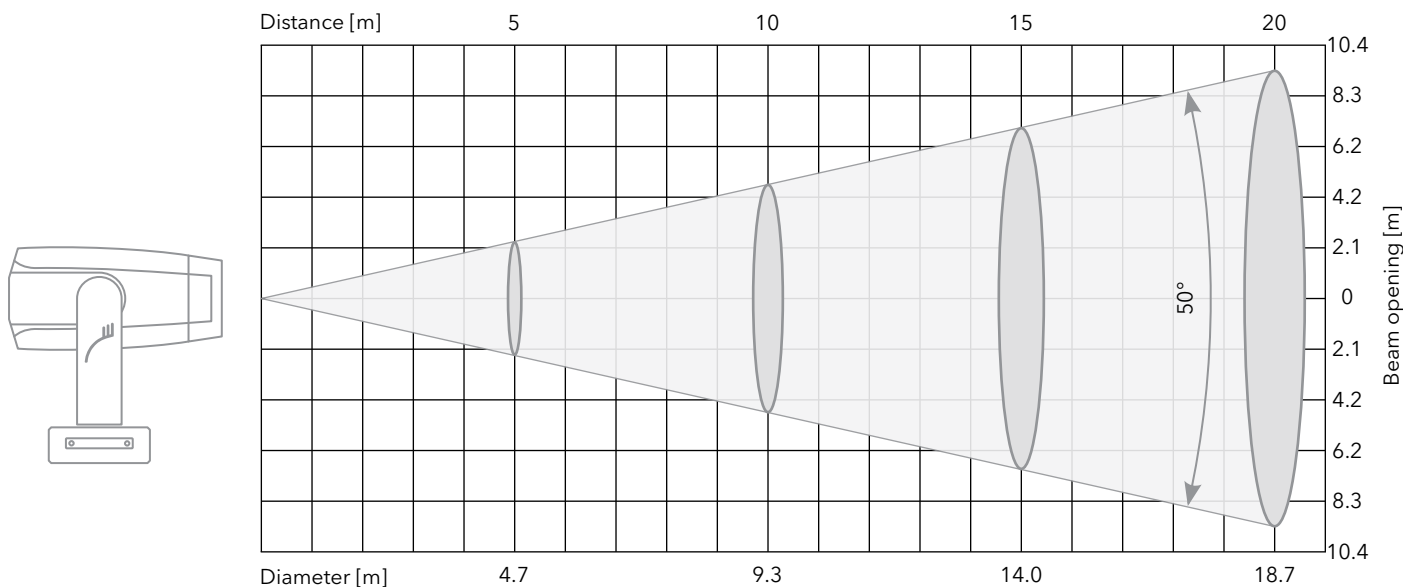
Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

iEsprite HP

Photometric report

Field angle 50° - Max. zoom - CRI 70

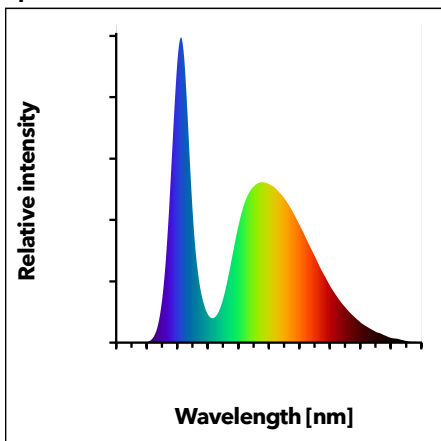
Field angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
50°	33045 lm	26506 lm	50475 cd	945 W



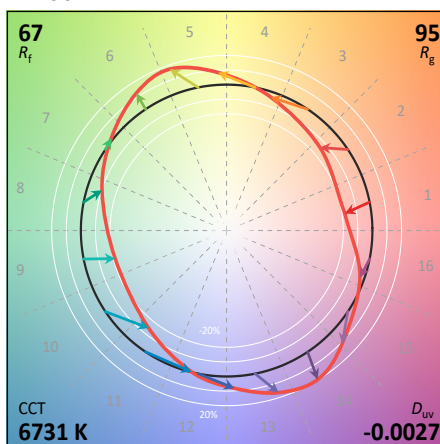
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High-Power Mode	2019/187.6	504.8/46.9	224.3/20.8	126.2/11.7	56.1/5.2	31.5/2.9	20.2/1.9	26506
Auto Fan Mode	1796/166.9	449/41.7	199.6/18.5	112.3/10.4	49.9/4.6	28.1/2.6	18/1.7	23578
High Fan Mode	1911/177.5	477.8/44.4	212.3/19.7	119.4/11.1	53.1/4.9	29.9/2.8	19.1/1.8	25088
Quiet Fan Mode	1149/106.7	287.3/26.7	127.7/11.9	71.8/6.7	31.9/3	18/1.7	11.5/1.1	15084

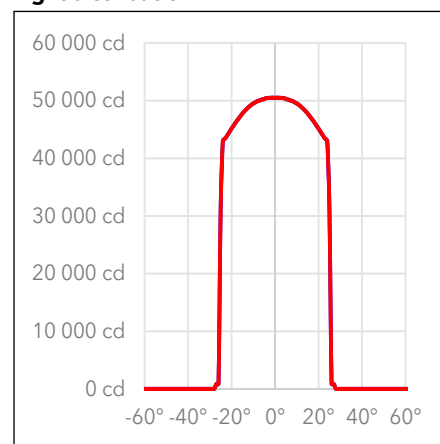
Spectrum



TM-30



Light distribution



Color temperature	CCT	6731
Color Deviation from Black	Duv	-0.0027
Color Coordinate CIE 1931	x	0.3108
	y	0.3159
Color Coordinate	u	0.2015
	v	0.3072

Color rendering index	CRI	69
Red component	CRI R9	-28
Color fidelity	TM30 Rf	67
Color gamut	TM30 Rg	95
Television consistency Index	TLCI	41

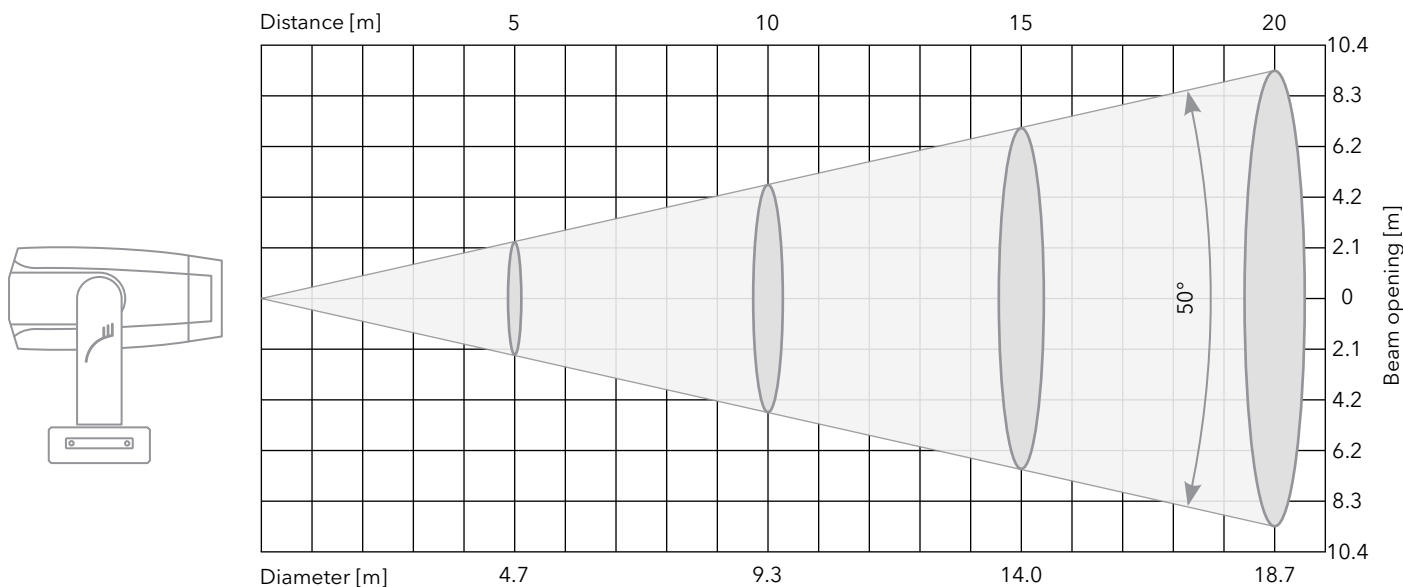
Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

iEsprite HP

Photometric report

Field angle 50° - Max. zoom - CRI 80

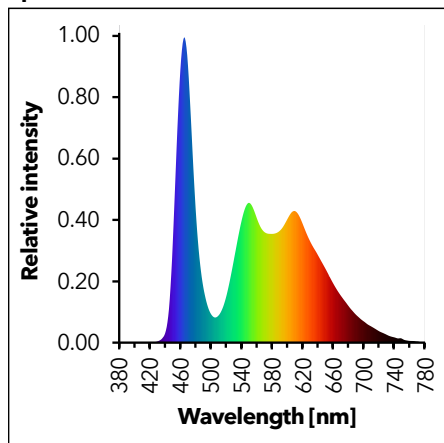
Field angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
50°	26720 lm	21376 lm	40700 cd	945 W



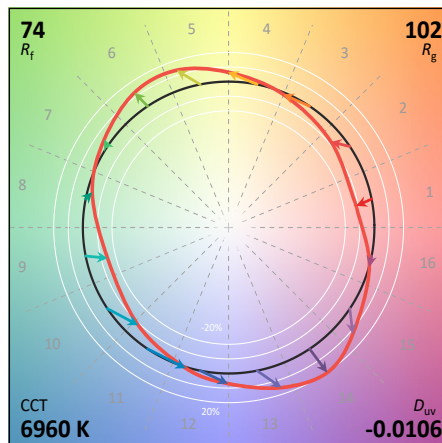
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High-Power Mode	1628/151.2	407/37.8	180.9/16.8	101.8/9.5	45.2/4.2	25.4/2.4	16.3/1.5	21376
Auto Fan Mode	1448/134.5	362/33.6	160.9/14.9	90.5/8.4	40.2/3.7	22.6/2.1	14.5/1.3	19013
High Fan Mode	1541/143.2	385.3/35.8	171.2/15.9	96.3/8.9	42.8/4	24.1/2.2	15.4/1.4	20234
Quiet Fan Mode	927/86.1	231.8/21.5	103/9.6	57.9/5.4	25.8/2.4	14.5/1.3	9.3/0.9	12172

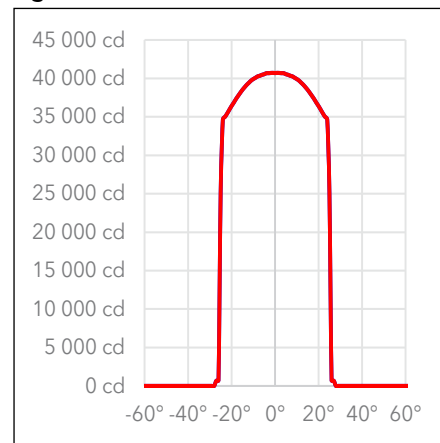
Spectrum



TM-30



Light distribution



Color temperature	CCT	6960
Color Deviation from Black	Duv	-0.0106
Color Coordinate CIE 1931	x	0.3101
	y	0.3008
Color Coordinate	u	0.2071
	v	0.3014

Color rendering index	CRI	80
Red component	CRI R9	22
Color fidelity	TM30 Rf	74
Color gamut	TM30 Rg	102
Television consistency Index	TLCI	58

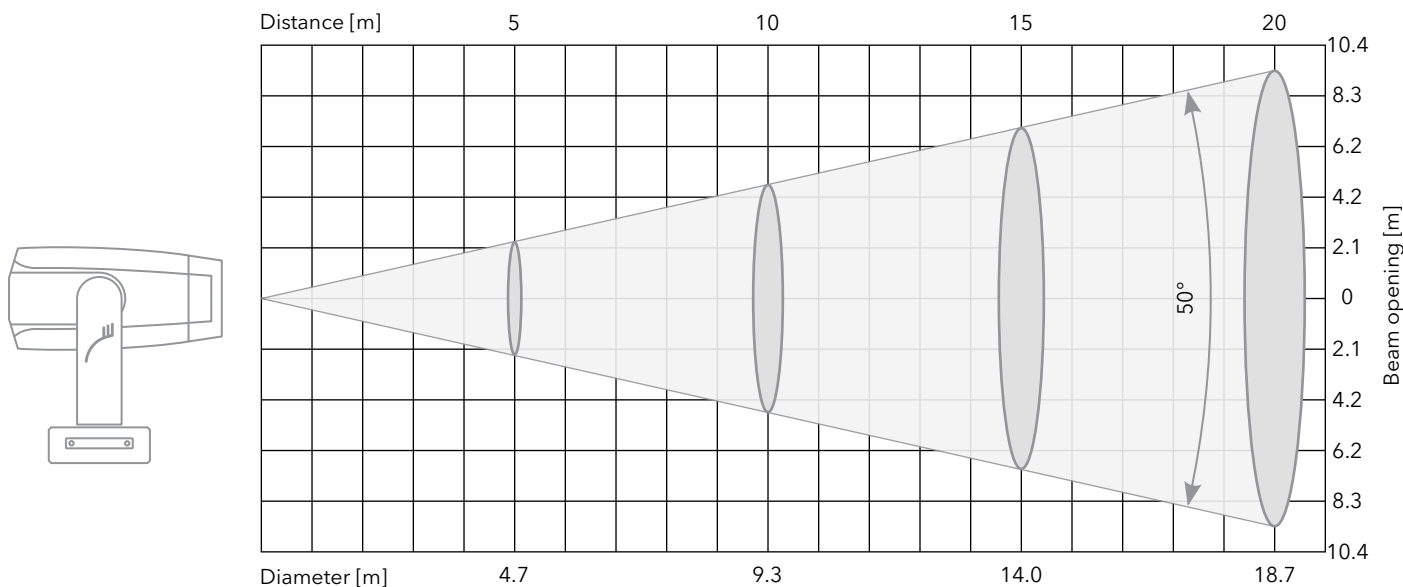
Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

iEsprite HP

Photometric report

Field angle 50° - Max. zoom - CRI 90

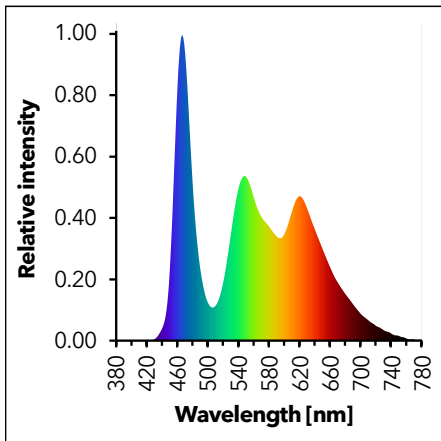
Field angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
50°	23249 lm	18599 lm	35425 cd	945 W



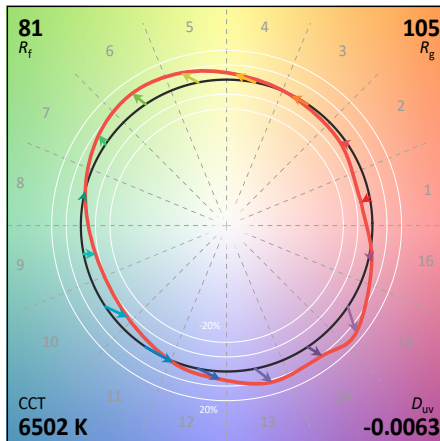
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High-Power Mode	1417/131.6	354.3/32.9	157.4/14.6	88.6/8.2	39.4/3.7	22.1/2.1	14.2/1.3	18599
Auto Fan Mode	1260/117.1	315/29.3	140/13	78.8/7.3	35/3.3	19.7/1.8	12.6/1.2	16538
High Fan Mode	1341/124.6	335.3/31.1	149/13.8	83.8/7.8	37.3/3.5	21/1.9	13.4/1.2	17601
Quiet Fan Mode	806/74.9	201.5/18.7	89.6/8.3	50.4/4.7	22.4/2.1	12.6/1.2	8.1/0.7	10579

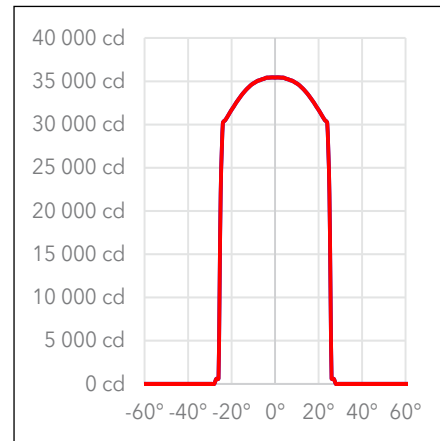
Spectrum



TM-30



Light distribution



Color temperature	CCT	6502
Color Deviation from Black	Duv	-0.0064
Color Coordinate CIE 1931	x	0.3149
	y	0.3132
Color Coordinate	u	0.2056
	v	0.3066

Color rendering index	CRI	86
Red component	CRI R9	51
Color fidelity	TM30 Rf	81
Color gamut	TM30 Rg	105
Television consistency Index	TLCI	74

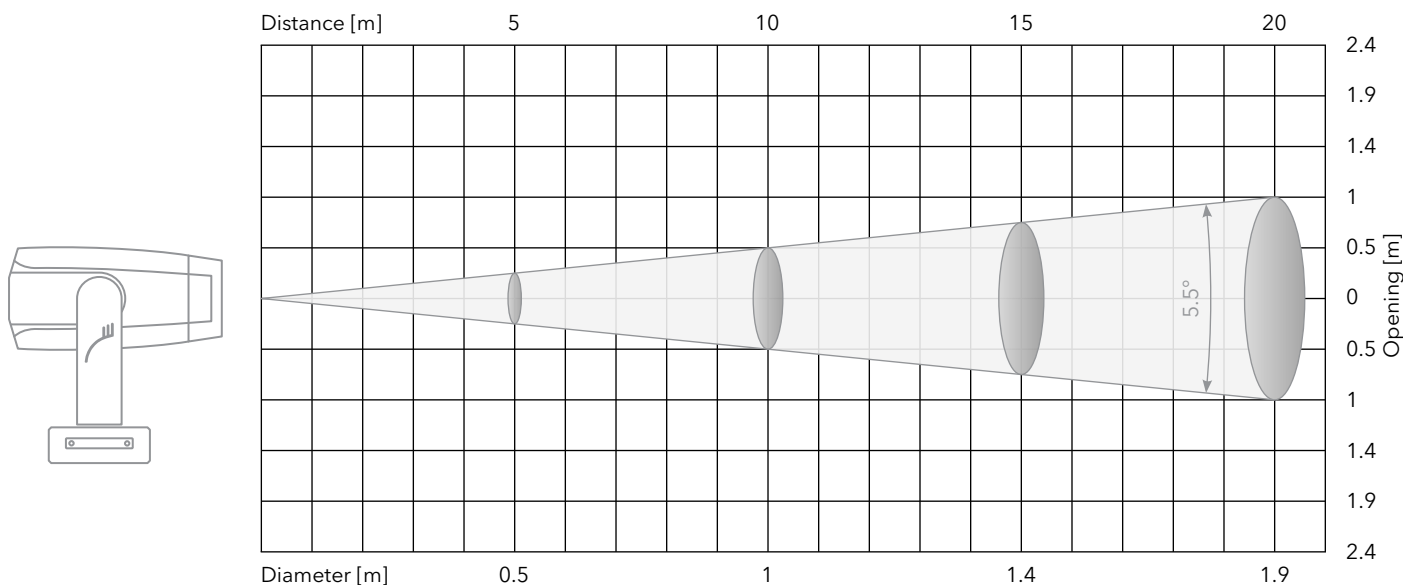
Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 21.03.2023

IESPRITE HCF

Photometric report

Beam angle 5.5° - Min. zoom

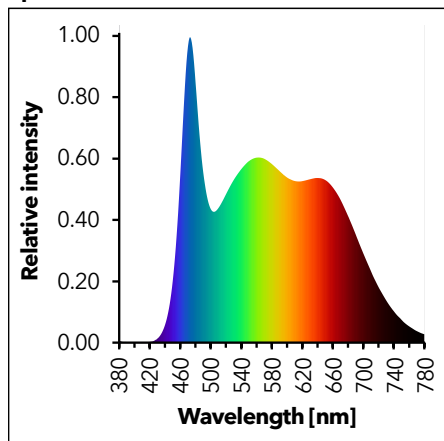
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
5.5°	11237 lm	10702 lm	1422100 cd	845 W



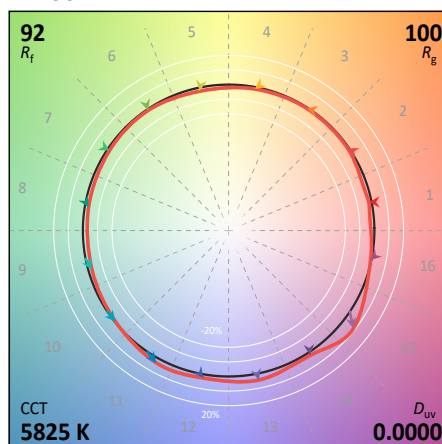
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
High-Power Mode	56884/5285	14221/1321	6320/587	3555/330	1580/147	889/83	569/53	10702
Auto Fan Mode	50442/4686	12611/1172	5605/521	3153/293	1401/130	788/73	504/47	9490
High Fan Mode	53663/4985	13416/1246	5963/554	3354/312	1491/138	838/78	537/50	10096
Quiet Fan Mode	37040/3441	9260/860	4116/382	2315/215	1029/96	579/54	370/34	6969

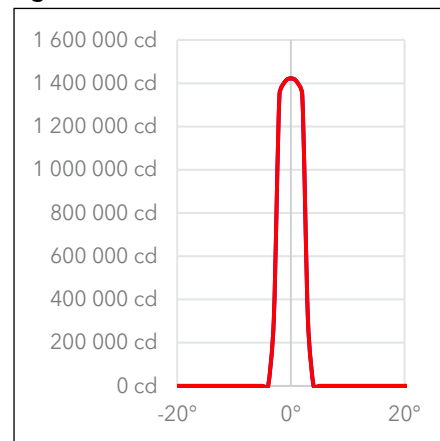
Spectrum



TM-30



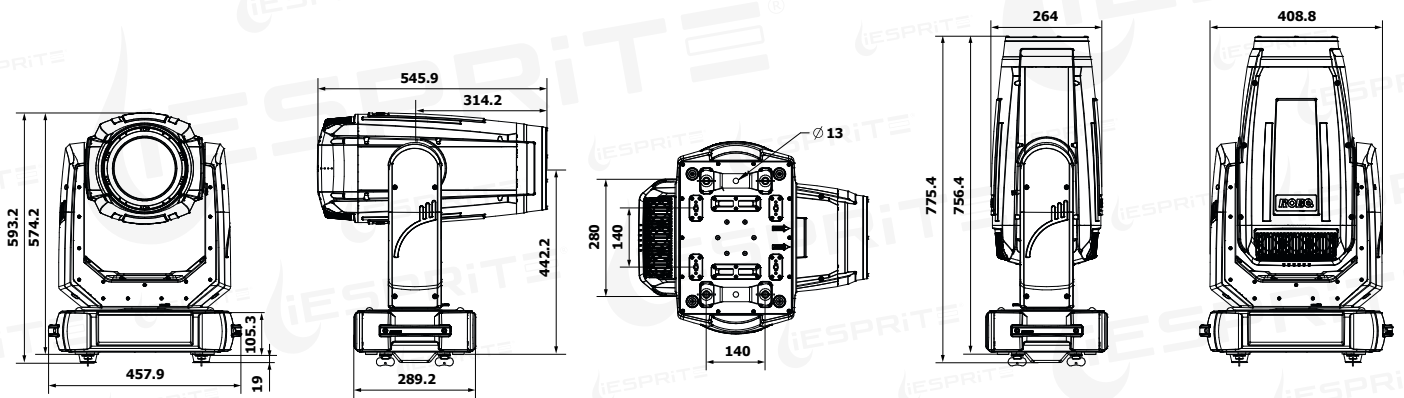
Light distribution



Color temperature	CCT	5825 K
Color Deviation from Black	Duv	0.0001
Color Coordinate CIE 1931	x	0.3255
	y	0.3350
Color Coordinate	u	0.2044
	v	0.3156

Color rendering index	CRI	97
Red component	CRI R9	93
Color fidelity	TM30 Rf	92
Color gamut	TM30 Rg	100
Television consistency Index	TLCI	97

Fixture settings: DMX mode: 1; Fans: High Power Mode; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 23.11.2023

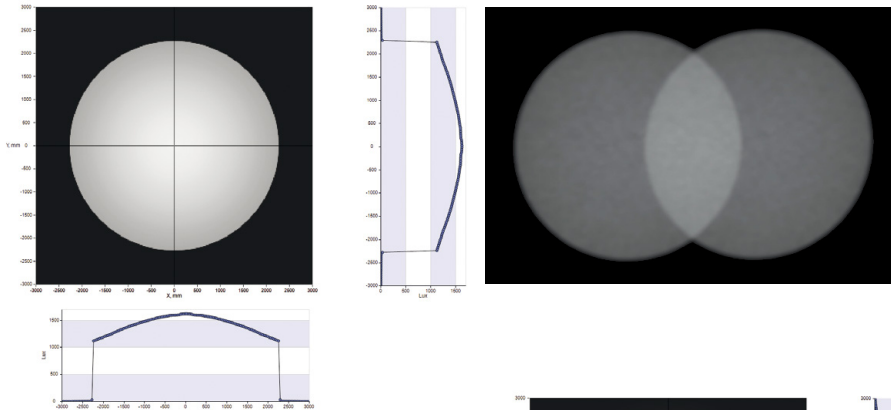


Hot-Spot

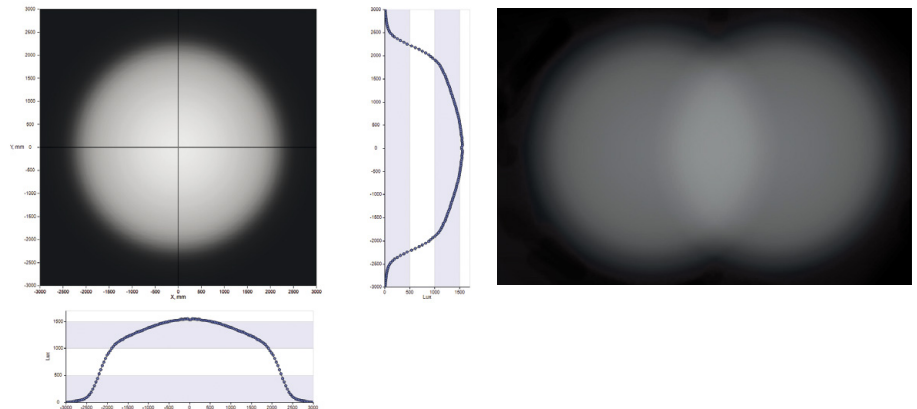
iESPRITE® produces a beautifully even, flat field of light. Whilst ideal for most applications, the perfect field makes it difficult to achieve smooth, continuous washes of light when the beam edges of multiple fixtures are overlapped.

By introducing our unique, patented, 6:1 ratio Hot-Spot lens, we can alter the field characteristics creating a centre weighted, peaked beam. With the addition of the frost filter, you can now effortlessly achieve silky smooth washes. This exclusive lens further enhances the feature rich iESPRITE®, making it the most versatile outdoor fixture available.

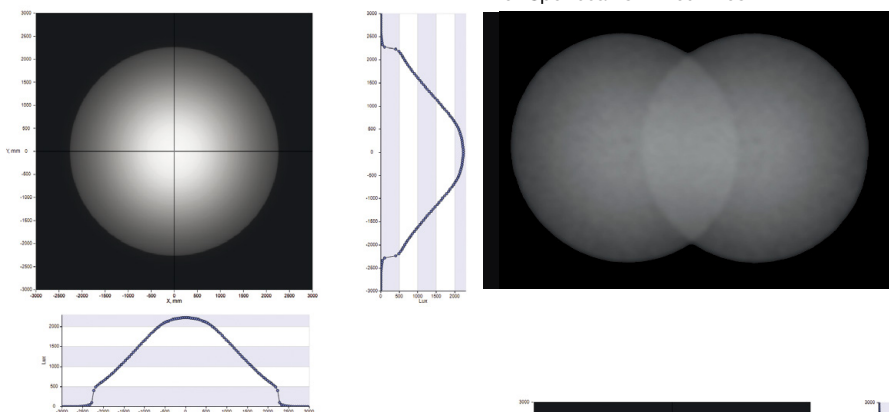
Flat field beams without Frost



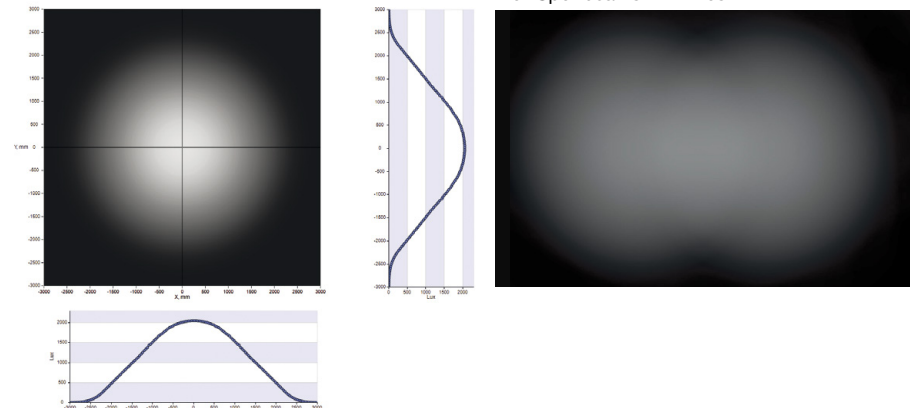
Flat field beams with Frost



Hot-Spot beams without Frost



Hot-Spot beams with Frost





www.robe.cz



Head office: ROBE lighting s. r. o. | Házovice 2090 | 756 61 Rožnov pod Radhoštěm | Czech Republic

Factory: ROBE lighting s. r. o. | Palackého 416 | 757 01 Valašské Meziříčí | Czech Republic

Tel.: +420 571 751 500 | E-mail: robe@robe.cz

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