FRESNEL™ PC™

ROBE®

FRESNEL™
PC™

Like the original lamp of the same name, the Robe T1 is set to become just as influential in the world of stage and studio lighting.

Incorporating unique, innovative systems and technologies, including:

MSL™ - Multi-Spectral Light source exceeding 10.500 lm / 13.000 lm (Fresnel / PC) from the fixture, adjustable CCT from 2.700 K to 8.000 K with tungsten emulation, CRI 95+

DataSwatch™ - Fast selection of the most trusted colours & tones

L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black

EMS™ - Smooth stabilization Pan & Tilt movement system

Cpulse™ - Special flicker-free management for all vision systems

RCC™ - Robe Colour Calibration system with on-call self-recalibration of the LED engine without the use of any external tool

4Door™ - Internal Barndoors with individual control of the four leaves for added beam control of wash light, with +/- 90° module rotation

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

MAPS™ - Motionless absolute positioning system for Pan & Tilt

Epass™ - Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity

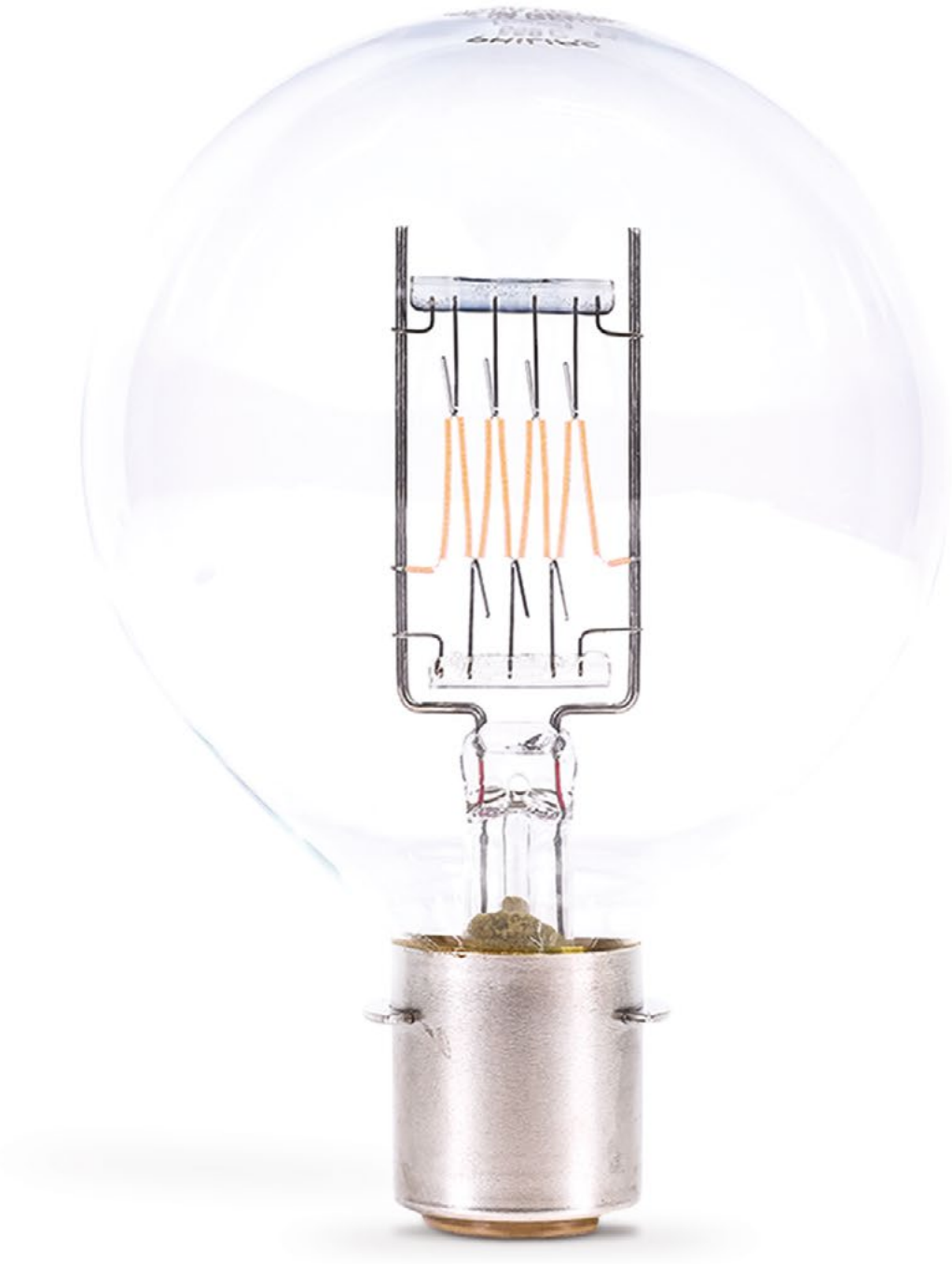
REAP™ - Robe Ethernet Access Portal

MagFrost™ - Magnetic paddle fast change system providing exchangeable frosts containing as standard light 5° and medium 10° frost filters

RotaScrim™ - Internal Scrim module with graduated filter position control for asymmetrical style lighting of drapes and unwanted hotspot removal from scenery. The entire module can be rotated +/- 180°

The T1 Fresnel™ and T1 PC™ are the result of extensive collaboration with lighting professionals throughout the world and includes all the features they demand, including fast, easy, CMY colour control; separate +/- green hue control channel; 8°–60° and 7°–50° zoom; 5° and 10° frost filters; precise +/- 90° rotatable and individually controlled internal barndoors; beam edge colour control; and graduated scrim, with 180° rotation, providing total control of your design.

Small, light, quiet & bright T1 - designed by you, for you, the only ONE you need.



Re-invented....

ROBE®

RCC™
ROBE COLOUR CALIBRATION SYSTEM

MSL™
MULTI-SPECTRAL LED LIGHT SOURCE

DATASWATCH™
FAST SELECTION OF COLOURS & TONES

C M Y
COLOUR MIXING

VARIABLE CCT
2.700K - 8.000K

CPULSE™
FLICKER FREE MANAGEMENT

The T1 range now includes two new wash versions. Whichever wash you prefer, the classical beam of the Fresnel or the more defined beam of the PC, both versions perfectly partner the T1 Profile.

T1 is the **ONE** and only automated luminaire you need for theatre, television and touring.

Specifically designed to fulfil the challenging requirements of these converging applications, the new, revolutionary, MSL™ (Multi-Spectral Light) LED engine provides an output exceeding 13.000 lumens. It's impressively bright.

All shades of colour are possible, satisfying the most demanding designer, using the vast set of features which include: CMY colour control; DataSwatch™ filters, containing a selection of pre-programmed colours; RCC™ (Robe Colour Calibration) algorithm; and wide-ranging 2.700K - 8.000K CCT control with selectable tungsten emulation. Our new L3™ (Low Light Linearity) precision dimming system can perfectly fade to black allowing integration with traditional light sources. The high CRI of 90+ ensures natural skin tones.

Removing the need for fixture Pan & Tilt pre-use calibration movement, the innovative, and exceptionally accurate optional MAPS™ (Patented) Motionless Absolute Positioning System provides stationary reset with no distracting motion if this occurs during a performance. Furthermore, this technology allows you to power cycle luminaires within confined spaces.

For television, video and film work, we have included a +/- green-hue channel and our Cpulse™ system, for flicker-free source management including HD and UHD cameras.

All this, combined with our precise +/- 90° rotatable and individually controlled internal barndoors; beam edge colour control;8°–60° and 7°–50° zoom range; graduated scrim, with 180° rotation; and light and medium frost filters, gives you total control of your design in theatre, television and touring.

You need only ONE. T1

Source

- Light source type: MSL™ 550W Multi-Spectral LED engine (Patented)
- LED life expectancy: min. 40.000 hours
- Colour rendition:
  CRI: 95, CRI R9: 91, TM30-18 Rf: 93, TM30-18 Rg: 103, TLCI: 94
- Typical lumen maintenance: L70/B50 @ 40.000 hours
- Light source warranty: 3 years or 20.000 hours

Optical System

- Robe's proprietary optical design
- High - efficiency zoom optical system, ratio 7:1
- Zoom range: T1 Fresnel: 8°–60°
  T1 PC: 7°–50°
- Fixture total lumen output:
  - T1 Fresnel:10.500 lm (integrating sphere)
    8.500 lm (goniophotometer)
  - T1 PC: 13.000 lm (integrating sphere)
    10.500 lm (goniophotometer)

Dynamic Effects and Features

- Factory calibrated whites and colours via the new RCC™ (Robe Colour Calibration) system, automatic or on-call self-re-calibration of the LED engine without the use of any external tool (Patent pending)
- Colour mixing: CMY / RGB or RGBAL
- White light: Variable CCT 2.700K - 8.000K
- DataSwatch™ - filters: pre-programmed 237 colours and tones including most used whites 2.700K, 3.200K, 4.200K, 5.600K and 8.000K
- Tungsten lamp effect: 750W, 1.000W, 1.200W, 2.000W, 2.500W lamp emulation for whites from 2.700K to 4200K (red shift and thermal delay)
- + - Green correction function
- 4Door™ - Internal Barndoors with individual control of the four leaves for added beam control of wash light, with +/- 90° module rotation. (Patented)
- RotaScrim™ - Internal Scrim module with graduated filter position control for asymmetrical style lighting of drapes and unwanted hotspot removal from scenery. The entire module can be rotated +/- 180°. (Patented)
- MagFrost™ - Magnetic paddle fast change system providing exchangeable frosts containing as standard light 5° and medium 10° frost filters
- Motorized zoom
- Edge colour correction
- Electronic strobe effect with variable speed up to 20 Hz
- Pre-programmed random strobe & pulse effects
- L3™ - (Low Light Linearity) Imperceptible 18 bit dimming for ultra smooth fade to black
- Extremely quiet operation suitable for all types of production in Theatre and TV
- 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.

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
- REAP™ - Robe Ethernet Access Portal
- Epass™ - Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity - on request
- Wireless CRMX™ technology from Lumen Radio - on request
- DMX Protocol modes: 3; Control channels: 49, 33, 53
- Pan & Tilt resolution: 16 bit
- Colour mixing: 8 or 16 bit (internal 18 bit)
- Variable CCT: 8 bit
- Internal barndoor module movement & rotation: 8 bit
- Internal scrim module movement & rotation: 8 bit
- Frost: 8 bit
- Zoom: 8 or 16 bit
- Edge colour correction: 8 bit
- Dimmer: 8 or 16 bit (internal 18 bit)

Movement

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

Internal Barndoors

- Patented 4Doors™ internal barndoors module
- Barndoors: 4 blades, each with separate movement control
- Rotation: +/- 90° module rotation

Internal Scrim

- Patented RotaScrim™ internal Scrim module
- Graduated filter position control
- Rotation: +/- 180° of the entire module

Thermal Specification

- Maximum ambient temperature: 45° C (113° F)
- Maximum surface temperature: 70°C (158°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: maximum 750W at 230 V / 50 Hz (all LEDs On)
- Typical power consumption: 160–215W (one colour = full)
- Power connector in: Neutrik powerCON TRUE1
- DMX and RDM data in/out: Locking 3-pin & 5-pin XLR
- Ethernet port in: RJ45
- Ethernet port in/out: RJ45 (instead of 3-pin XLR) - T1 Fresnel & T1 PC, for Embedded Epass™ switch 10/100 Mbps - on request

Approvals

- CE Compliant
- cETLus Compliant

Mechanical Specification

- Height: 712 mm (28") - head in vertical position
- Width: 400 mm (15.7")
- Depth: 258 mm (10.2") - head in vertical position
- Weight: 22.6 kg (49.8 lbs)
- Ingress protection rating: IP20

Rigging

- Mounting positions: 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
- Safety cable attachment point
- Pan & Tilt transport locks

Included Items

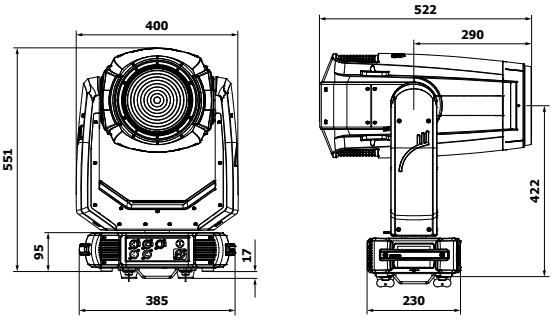
- User Manual
- Omega Adaptor CL-regular 2 pcs
- Power cord including powerCON TRUE1 In connector
- Gel frame adaptor
- Top hat for T1 Fresnel

Optional Accessories

- Gel frame: 10980452
- Top hat for T1 PC: 10980535
- Module of PC lens for T1 Fresnel: 10980449
- Module of Fresnel lens for T1 PC: 10980450
- Doughty Trigger Clamp: 17030386
- Safety wire 35 kg: 99011963
- Single Top Loader Case: 10120244-03
- Dual Top Loader Case: 10120245-03
- Foam Shell: 20020340-01

Legal


3 YEARS OR
LIGHT
WARRANTY
SOURCE
20.000 HOURS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522
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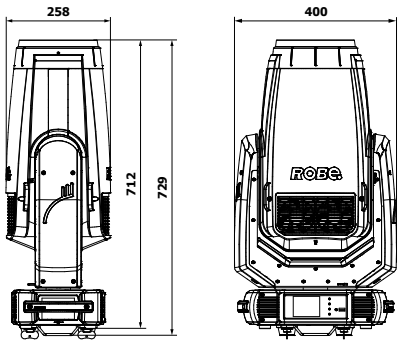
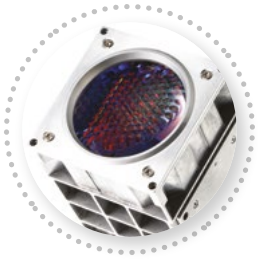

258
712
729
400

MSL™ Multi-Spectral LED Light source

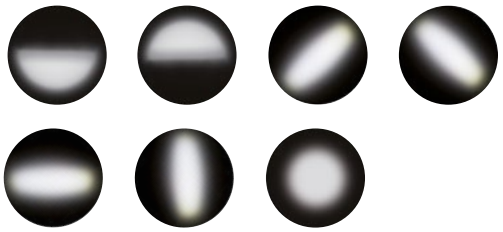
The new revolutionary MSL™ 550W LED engine (Patented) provides a fixture output exceeding 12.500 lumens, high quality spectrum of CRI 95+, adjustable CCT from 2.700K to 8.000K and aditive colour mixing with CMY control mode.



CMY Colour Mixing

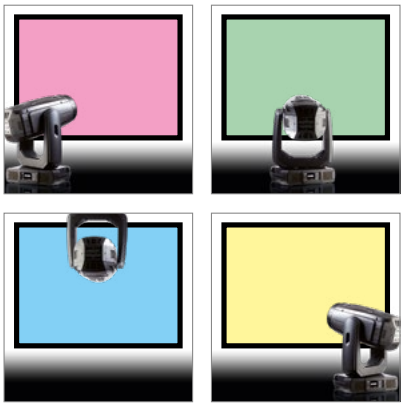
Internal Barndoors – Beam Shaping Module

T1 Fresnel and PC use an patented 4Doors™ beam shaping module for creating different rectangular and square soft edged shapes, which also simulate barndoor effects. The module consists of four individually controllable blades and is rotatable by 180°.



Scrim Module

New innovative RotaScrim™ internal scrim module of graduated filter can be inserted into the light path and allows rotation of the whole assembly +/- 180° to achieve even wash coverage when projecting onto a non-perpendicular surface (Patented).

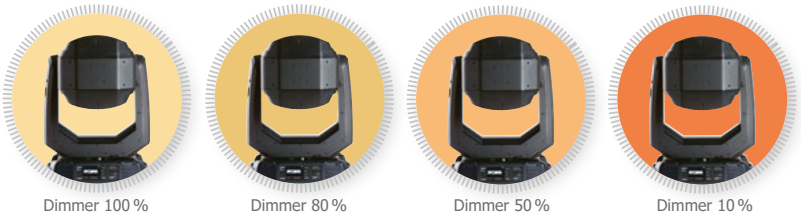


True White Colours

Factory calibrated whites and colours via the new RCC™ Robe Colour Calibration system allow quick direct calling of whites of any colour temperature from 2.700K to 8.000K.

Tungsten effect

The Halogen lamp mode provides emulation of 750W, 1.000W, 1.200W, 2.000W and 2.500W tungsten lamps. The dimmer channel initiates halogen lamp-like behaviour (red effect and thermal delay) for each lamp type during dimming.

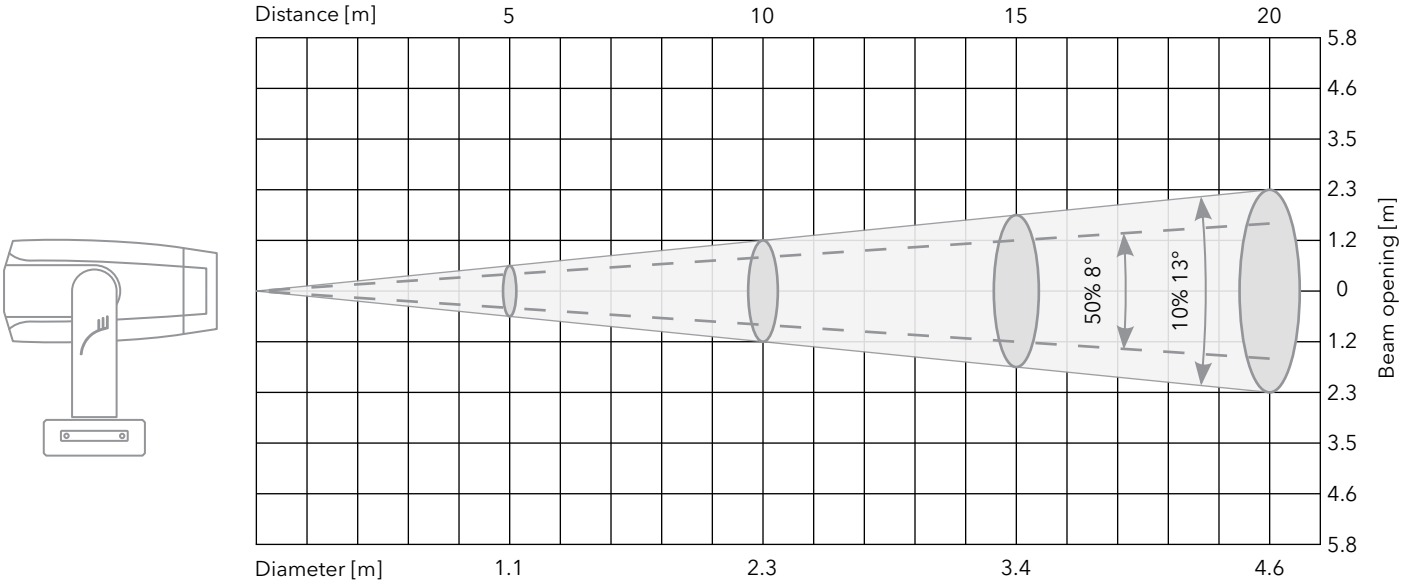


T1 Fresnel

Photometric report

Beam angle 13° - Min. zoom, CCT 8022K, CRI 78

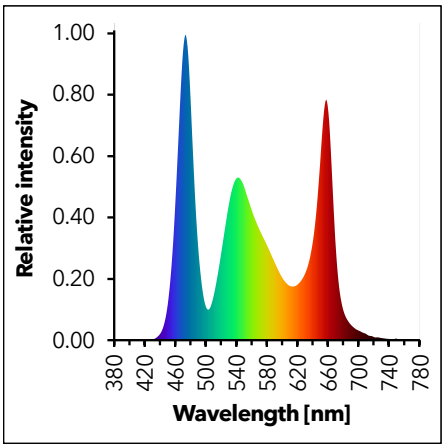
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
13°	7779 lm	7089 lm	279800 cd	530 W



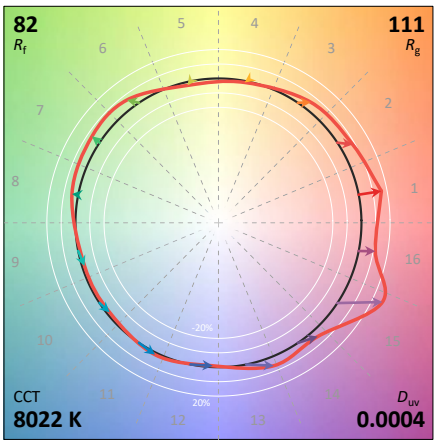
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
8000 K	11192/1040	2798/260	1244/116	700/65	311/29	175/16	112/10	7089
8000 K	9737/905	2434/226	1082/101	609/57	270/25	152/14	97/9	6167
5600 K	9653/897	2413/224	1073/100	603/56	268/25	151/14	97/9	6114
4200 K	8402/781	2101/195	934/87	525/49	233/22	131/12	84/8	5322
3200 K	6997/650	1749/163	777/72	437/41	194/18	109/10	70/7	4432
2700 K	6153/572	1538/143	684/64	385/36	171/16	96/9	62/6	3897

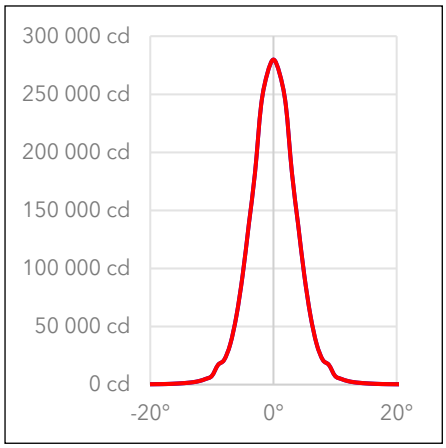
Spectrum



TM-30



Light distribution



Color temperature	CCT	8022
Color Deviation from Black	Duv	0.0004
Color Coordinate CIE 1931	x	0.2948
	y	0.3051
Color Coordinate	u	0.1942
	v	0.3015

Color rendering index	CRI	78
Red component	CRI R9	-36
Color fidelity	TM30 Rf	82
Color gamut	TM30 Rg	111
Television consistency Index	TLCI	63

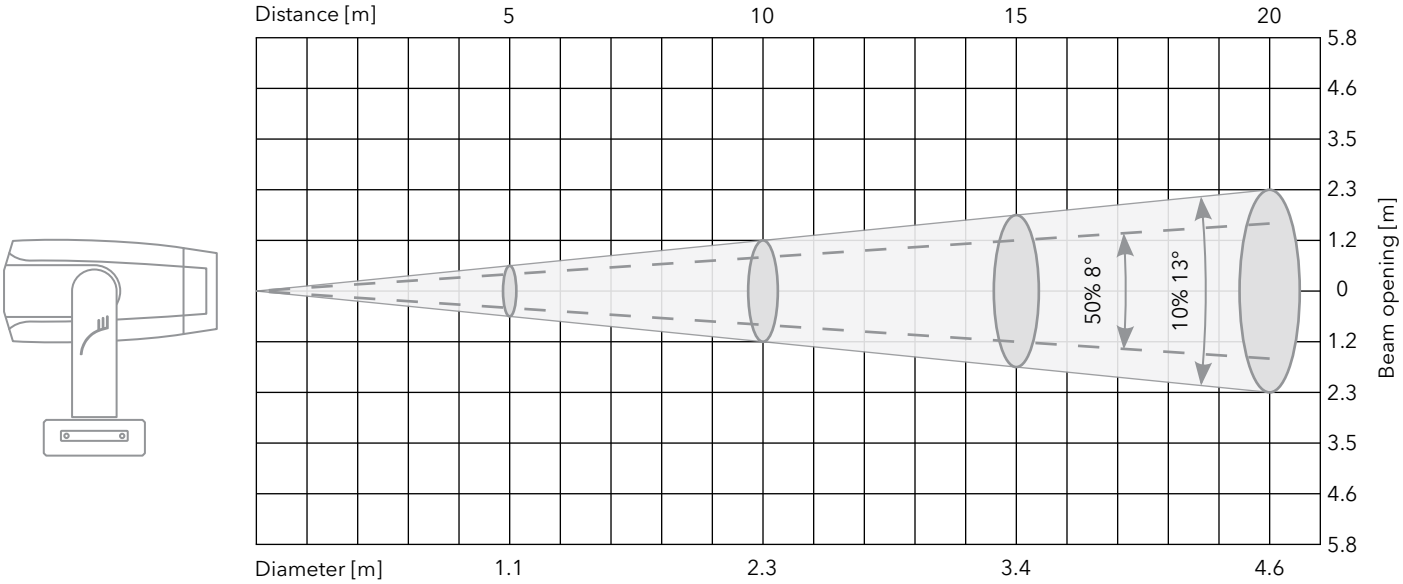
Fixture settings: DMX mode: 1; Fans: Auto; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 24.05.2022

T1 Fresnel

Photometric report

Beam angle 13° - Min. zoom, CCT 7944K, CRI 92

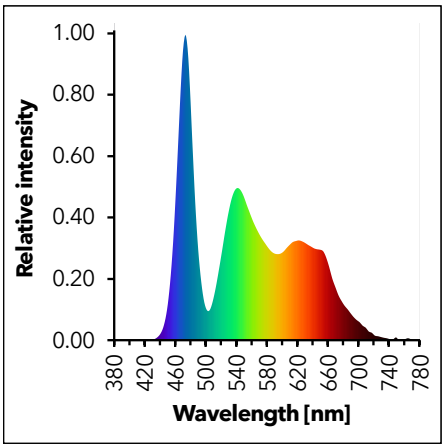
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
13°	3923 lm	3575 lm	141100 cd	333 W



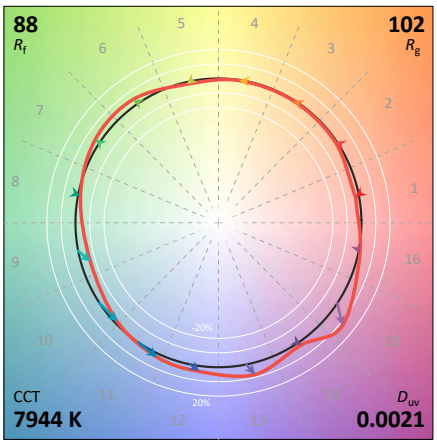
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
8000 K	5644/524	1411/131	627/58	353/33	157/15	88/8	56/5	3575
8000 K	4910/456	1228/114	546/51	307/29	136/13	77/7	49/4.6	3110
5600 K	5427/504	1357/126	603/56	339/32	151/14	85/8	54/5	3438
4200 K	5068/471	1267/118	563/52	317/29	141/13	79/7	51/4.7	3210
3200 K	4655/432	1164/108	517/48	291/27	129/12	73/7	47/4.3	2949
2700 K	4286/398	1072/100	476/44	268/25	119/11	67/6	43/4	2715

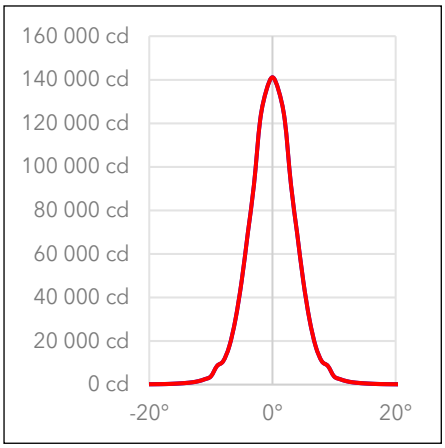
Spectrum



TM-30



Light distribution



Color temperature	CCT	7944
Color Deviation from Black	Duv	0.0021
Color Coordinate CIE 1931	x	0.2948
	y	0.3084
Color Coordinate	u	0.1929
	v	0.3028

Color rendering index	CRI	92
Red component	CRI R9	80
Color fidelity	TM30 Rf	88
Color gamut	TM30 Rg	102
Television consistency Index	TLCI	90

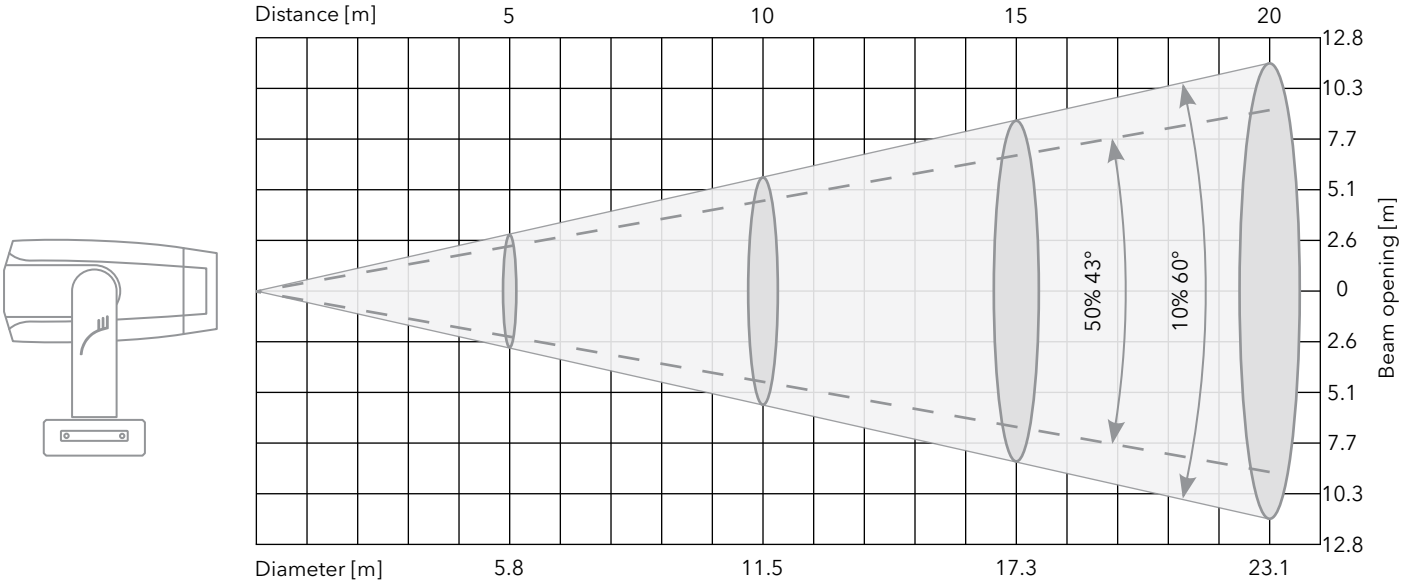
Fixture settings: DMX mode: 1; Fans: Auto; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 24.05.2022

T1 Fresnel

Photometric report

Beam angle 60° - Max. zoom, CCT 8081K, CRI 78

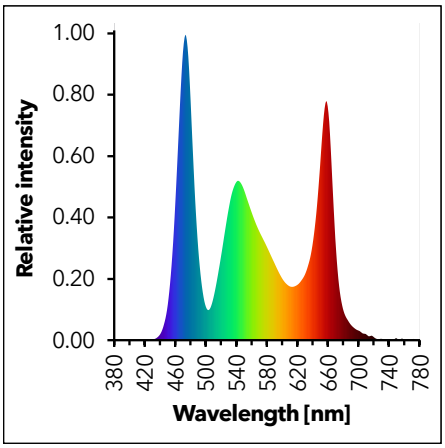
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
60°	10417 lm	8324 lm	18700 cd	530 W



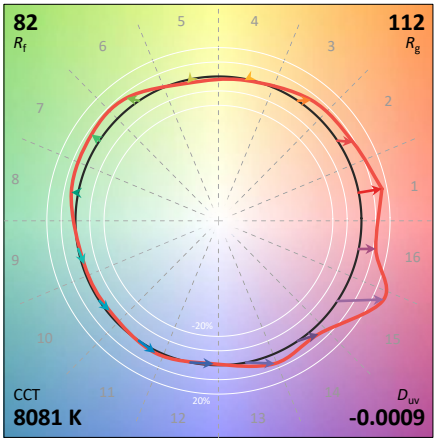
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
8000 K	748/69.5	187/17.4	83.1/7.7	46.8/4.3	20.8/1.9	11.7/1.1	7.5/0.7	8324
8000 K	651/60.5	162.8/15.1	72.3/6.7	40.7/3.8	18.1/1.7	10.2/0.9	6.5/0.6	7245
5600 K	644/59.8	161/15	71.6/6.6	40.3/3.7	17.9/1.7	10.1/0.9	6.4/0.6	7167
4200 K	565/52.5	141.3/13.1	62.8/5.8	35.3/3.3	15.7/1.5	8.8/0.8	5.7/0.5	6288
3200 K	469/43.6	117.3/10.9	52.1/4.8	29.3/2.7	13/1.2	7.3/0.7	4.7/0.4	5219
2700 K	413/38.4	103.3/9.6	45.9/4.3	25.8/2.4	11.5/1.1	6.5/0.6	4.1/0.4	4596

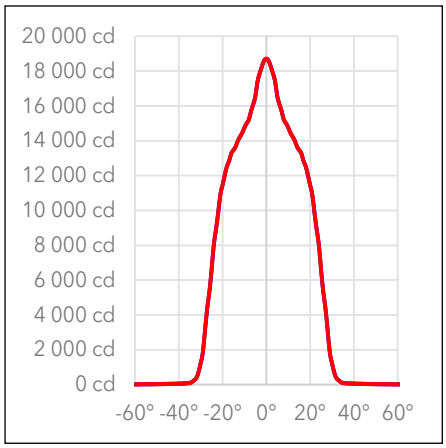
Spectrum



TM-30



Light distribution



Color temperature	CCT	8081
Color Deviation from Black	Duv	-0.0009
Color Coordinate CIE 1931	x	0.2948
	y	0.3027
Color Coordinate	u	0.1952
	v	0.3006

Color rendering index	CRI	78
Red component	CRI R9	-41
Color fidelity	TM30 Rf	82
Color gamut	TM30 Rg	112
Television consistency Index	TLCI	63

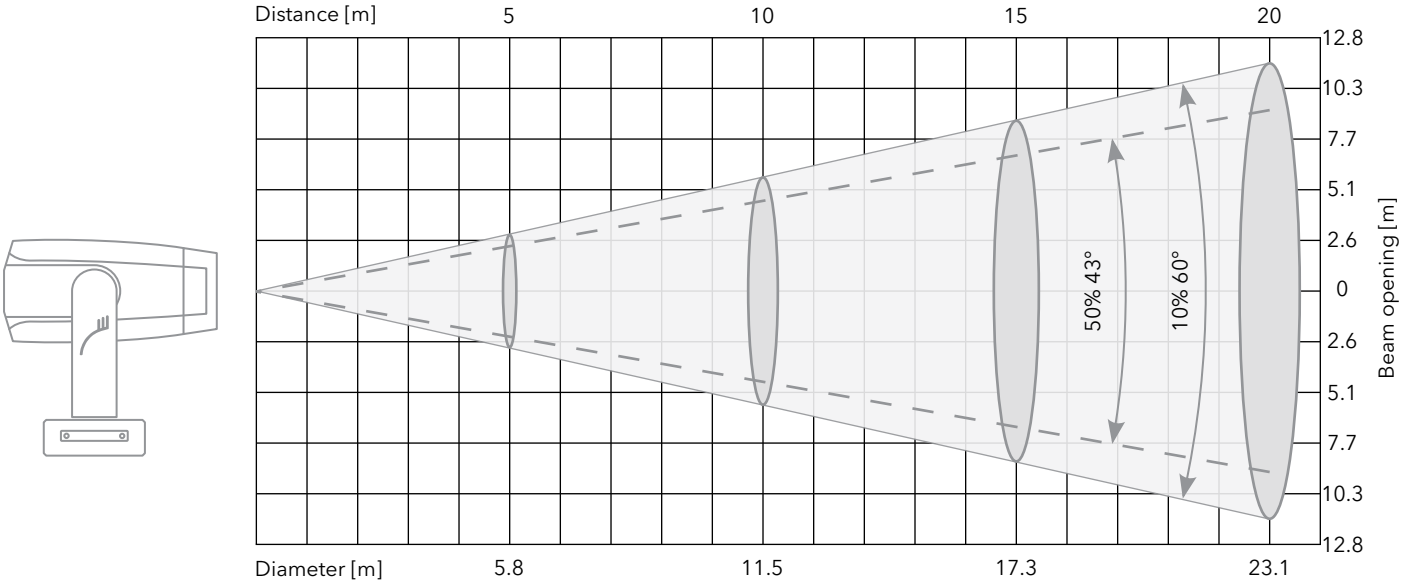
Fixture settings: DMX mode: 1; Fans: Auto; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 24.05.2022

T1 Fresnel

Photometric report

Beam angle 60° - Max. zoom, CCT 8028K, CRI 92

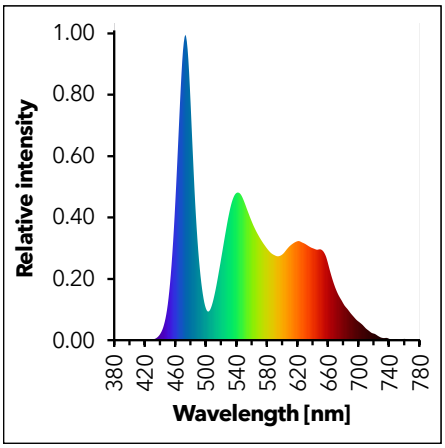
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
60°	5260 lm	4203 lm	9450 cd	333 W



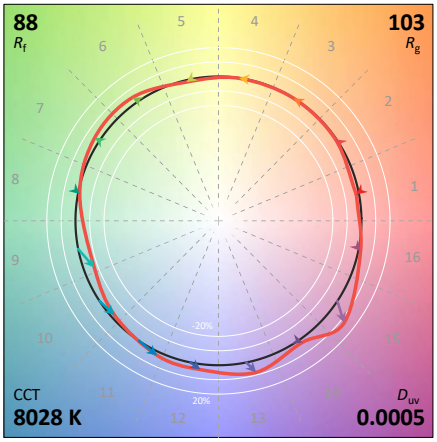
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
8000 K	378/35.1	94.5/8.8	42/3.9	23.6/2.2	10.5/1	5.9/0.5	3.8/0.4	4203
8000 K	329/30.6	82.3/7.6	36.6/3.4	20.6/1.9	9.1/0.8	5.1/0.5	3.3/0.3	3658
5600 K	363/33.7	90.8/8.4	40.3/3.7	22.7/2.1	10.1/0.9	5.7/0.5	3.6/0.3	4036
4200 K	338/31.4	84.5/7.9	37.6/3.5	21.1/2	9.4/0.9	5.3/0.5	3.4/0.3	3758
3200 K	311/28.9	77.8/7.2	34.6/3.2	19.4/1.8	8.6/0.8	4.9/0.5	3.1/0.3	3458
2700 K	286/26.6	71.5/6.6	31.8/3	17.9/1.7	7.9/0.7	4.5/0.4	2.9/0.3	3180

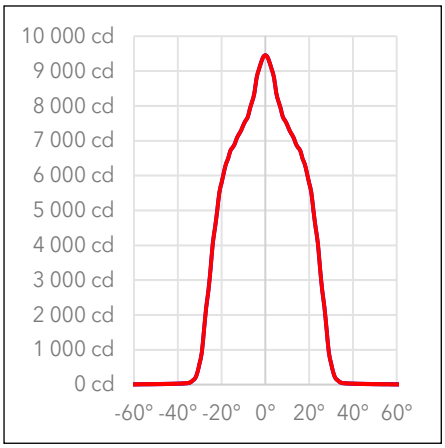
Spectrum



TM-30



Light distribution



Color temperature	CCT	8028
Color Deviation from Black	Duv	0.0005
Color Coordinate CIE 1931	x	0.2947
	y	0.3051
Color Coordinate	u	0.1941
	v	0.3015

Color rendering index	CRI	92
Red component	CRI R9	86
Color fidelity	TM30 Rf	88
Color gamut	TM30 Rg	103
Television consistency Index	TLCI	90

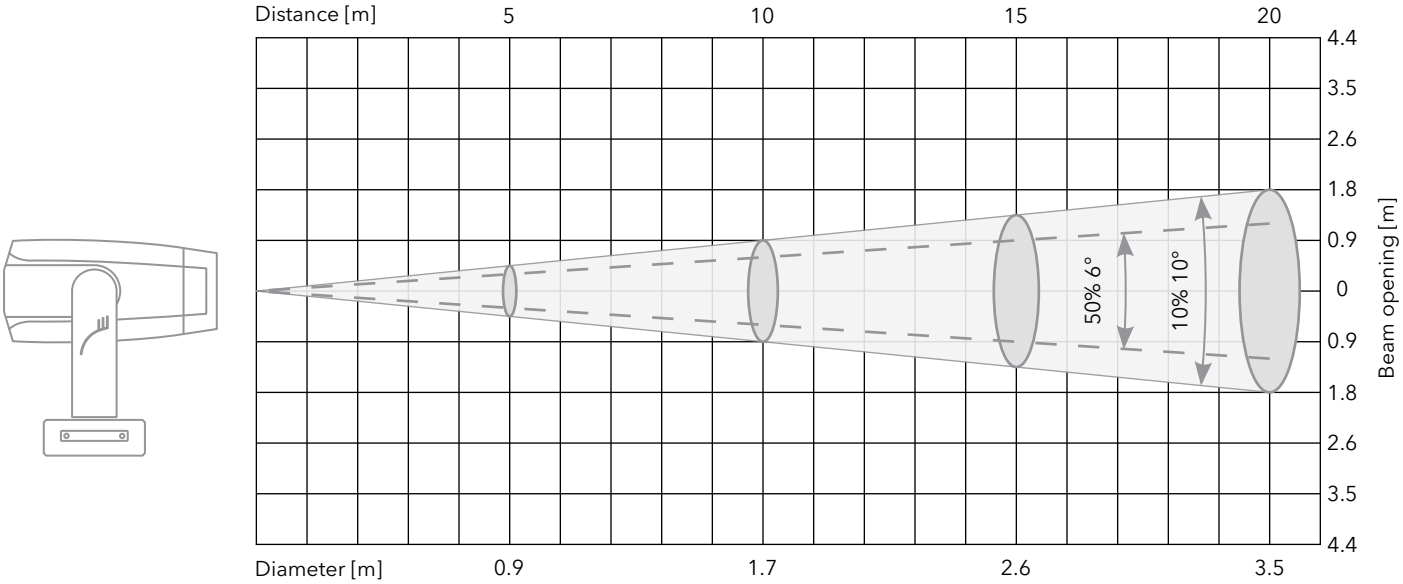
Fixture settings: DMX mode: 1; Fans: Auto; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 24.05.2022

T1 PC

Photometric report

Beam angle 10° - Min. zoom, CCT 8034K, CRI 78

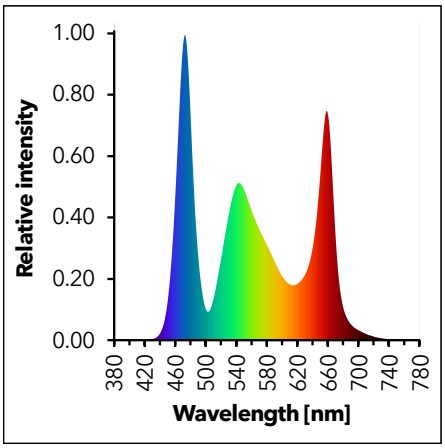
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
10°	9451 lm	8580 lm	748825 cd	530 W



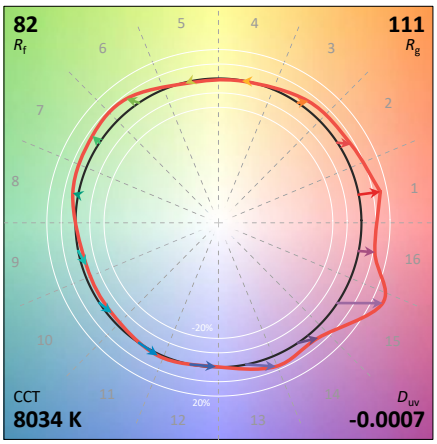
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
8000 K	29953/2783	7488/696	3328/309	1872/174	832/77	468/43	300/28	8580
8000 K	26059/2421	6515/605	2895/269	1629/151	724/67	407/38	261/24	7465
5600 K	25307/2351	6327/588	2812/261	1582/147	703/65	395/37	253/24	7249
4200 K	22151/2058	5538/514	2461/229	1384/129	615/57	346/32	222/21	6345
3200 K	18389/1708	4597/427	2043/190	1149/107	511/47	287/27	184/17	5268
2700 K	16419/1525	4105/381	1824/169	1026/95	456/42	257/24	164/15	4703

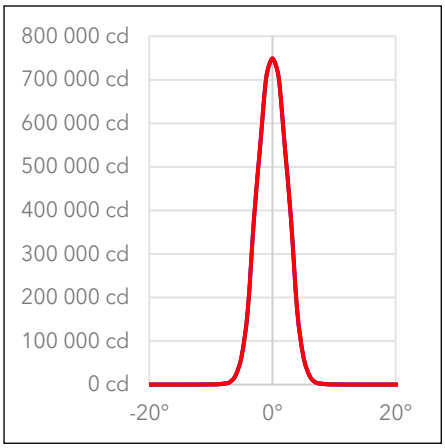
Spectrum



TM-30



Light distribution



Color temperature	CCT	8034
Color Deviation from Black	Duv	-0.0006
Color Coordinate CIE 1931	x	0.2951
	y	0.3036
Color Coordinate	u	0.1951
	v	0.3009

Color rendering index	CRI	78
Red component	CRI R9	-30
Color fidelity	TM30 Rf	82
Color gamut	TM30 Rg	111
Television consistency Index	TLCI	66

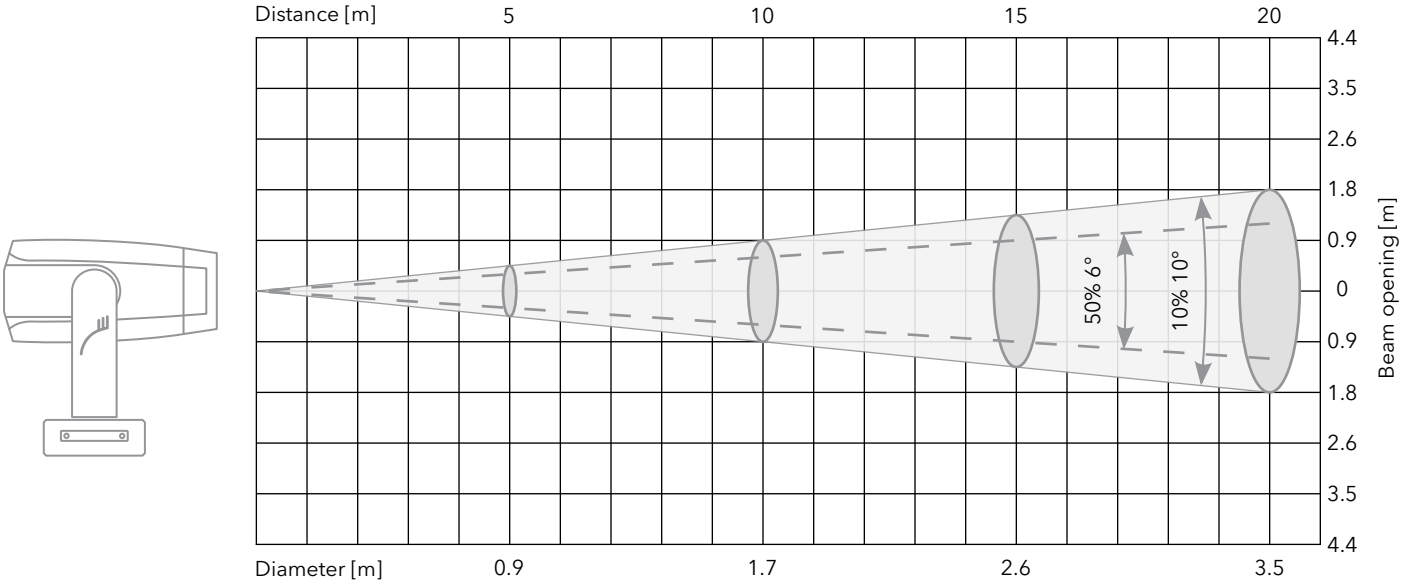
Fixture settings: DMX mode: 1; Fans: Auto; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 23.05.2022

T1 PC

Photometric report

Beam angle 10° - Min. zoom, CCT 8005K, CRI 91

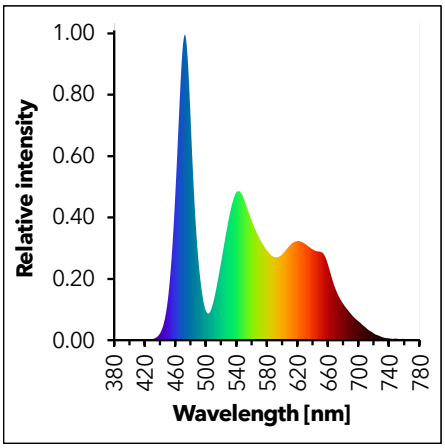
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
10°	5189 lm	4711 lm	411150 cd	333 W



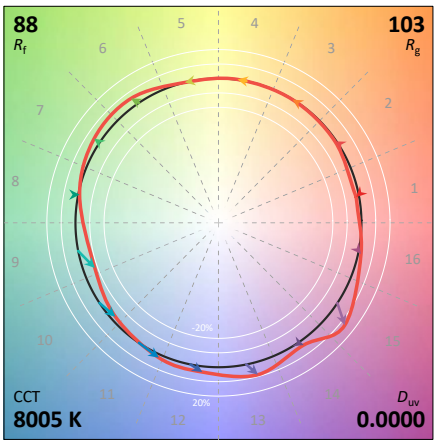
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
8000 K	16446/1528	4112/382	1827/170	1028/95	457/42	257/24	164/15	4711
8000 K	14308/1329	3577/332	1590/148	894/83	397/37	224/21	143/13	4099
5600 K	15748/1463	3937/366	1750/163	984/91	437/41	246/23	157/15	4511
4200 K	14701/1366	3675/341	1633/152	919/85	408/38	230/21	147/14	4211
3200 K	13576/1261	3394/315	1508/140	849/79	377/35	212/20	136/13	3889
2700 K	12476/1159	3119/290	1386/129	780/72	347/32	195/18	125/12	3574

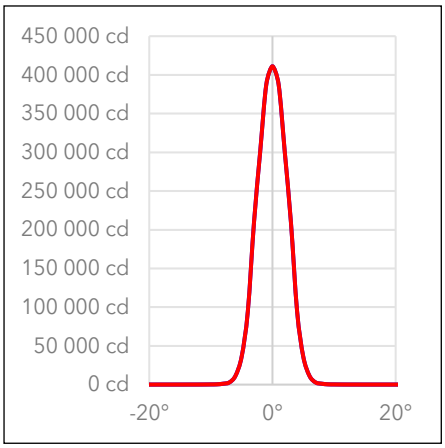
Spectrum



TM-30



Light distribution



Color temperature	CCT	8005
Color Deviation from Black	Duv	0.0000
Color Coordinate CIE 1931	x	0.2951
	y	0.3048
Color Coordinate	u	0.1946
	v	0.3014

Color rendering index	CRI	91
Red component	CRI R9	83
Color fidelity	TM30 Rf	88
Color gamut	TM30 Rg	103
Television consistency Index	TLCI	89

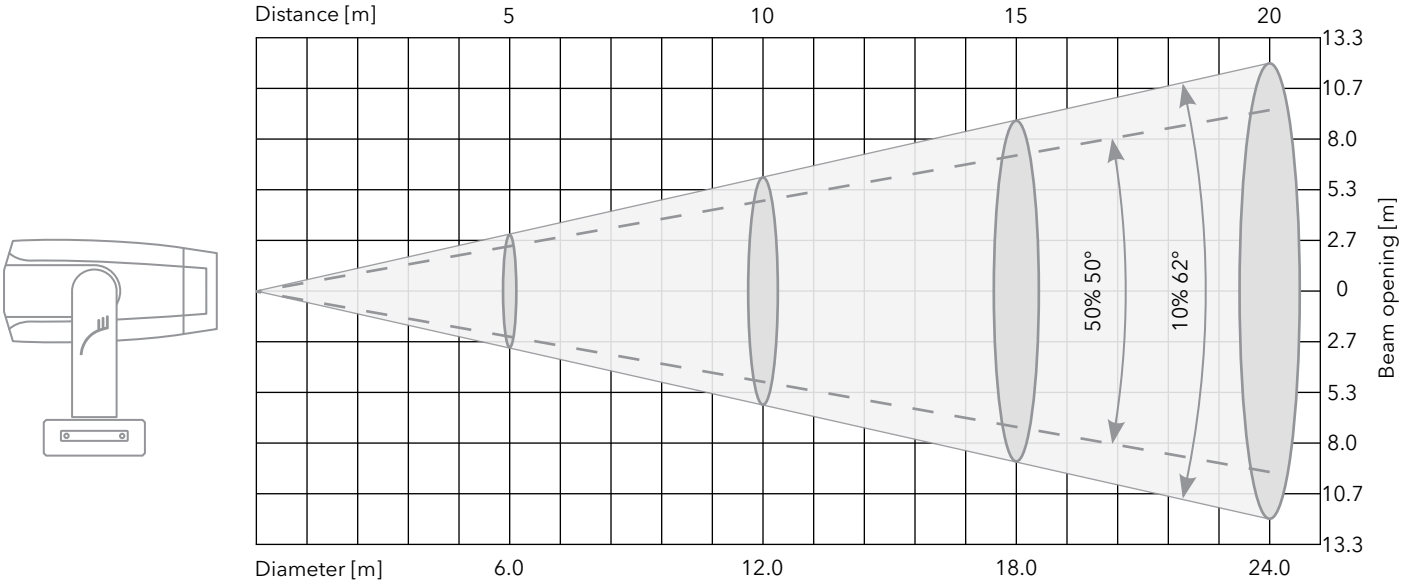
Fixture settings: DMX mode: 1; Fans: Auto; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 23.05.2022

T1 PC

Photometric report

Beam angle 62° - Max. zoom, CCT 8064K, CRI 78

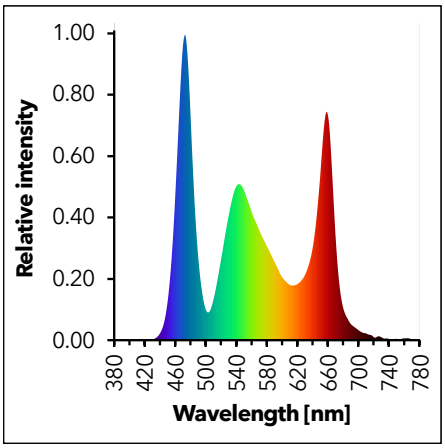
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
62°	13104 lm	10521 lm	20350 cd	530 W



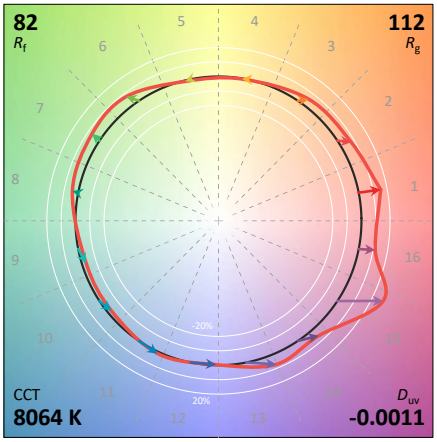
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
8000 K	814/75.6	203.5/18.9	90.4/8.4	50.9/4.7	22.6/2.1	12.7/1.2	8.1/0.8	10521
8000 K	708/65.8	177/16.4	78.7/7.3	44.3/4.1	19.7/1.8	11.1/1	7.1/0.7	9151
5600 K	693/64.4	173.3/16.1	77/7.2	43.3/4	19.3/1.8	10.8/1	6.9/0.6	8957
4200 K	598/55.6	149.5/13.9	66.4/6.2	37.4/3.5	16.6/1.5	9.3/0.9	6/0.6	7729
3200 K	498/46.3	124.5/11.6	55.3/5.1	31.1/2.9	13.8/1.3	7.8/0.7	5/0.5	6437
2700 K	447/41.5	111.8/10.4	49.7/4.6	27.9/2.6	12.4/1.2	7/0.6	4.5/0.4	5778

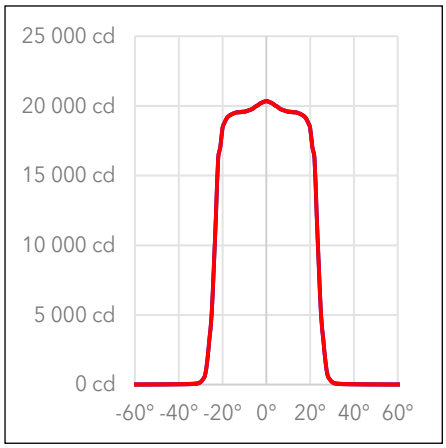
Spectrum



TM-30



Light distribution



Color temperature	CCT	8064
Color Deviation from Black	Duv	-0.0011
Color Coordinate CIE 1931	x	0.2951
	y	0.3026
Color Coordinate	u	0.1954
	v	0.3006

Color rendering index	CRI	78
Red component	CRI R9	-32
Color fidelity	TM30 Rf	82
Color gamut	TM30 Rg	112
Television consistency Index	TLCI	65

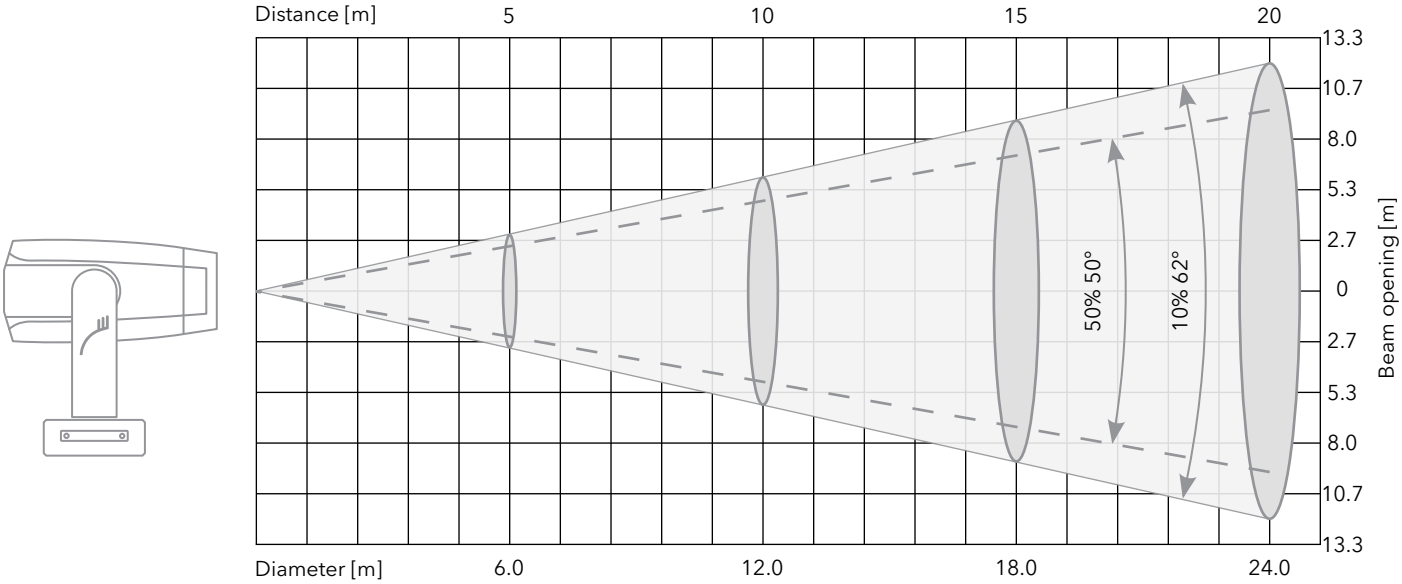
Fixture settings: DMX mode: 1; Fans: Auto; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 23.05.2022

T1 PC

Photometric report

Beam angle 62° - Max. zoom, CCT 7952K, CRI 91

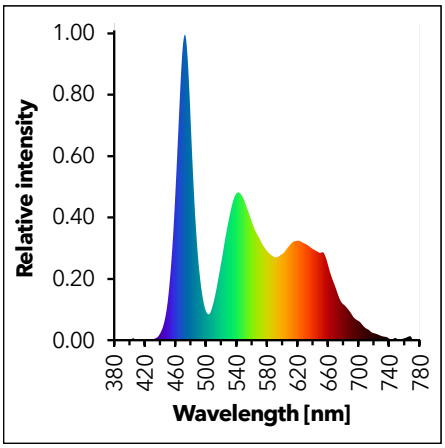
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
62°	7162 lm	5750 lm	11125 cd	333 W



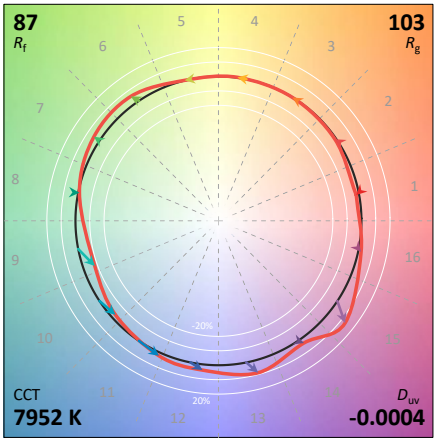
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
8000 K	445/41.3	111.3/10.3	49.4/4.6	27.8/2.6	12.4/1.1	7/0.6	4.5/0.4	5750
8000 K	387/36	96.8/9	43/4	24.2/2.2	10.8/1	6/0.6	3.9/0.4	5001
5600 K	427/39.7	106.8/9.9	47.4/4.4	26.7/2.5	11.9/1.1	6.7/0.6	4.3/0.4	5517
4200 K	399/37.1	99.8/9.3	44.3/4.1	24.9/2.3	11.1/1	6.2/0.6	4/0.4	5156
3200 K	368/34.2	92/8.5	40.9/3.8	23/2.1	10.2/0.9	5.8/0.5	3.7/0.3	4755
2700 K	339/31.5	84.8/7.9	37.7/3.5	21.2/2	9.4/0.9	5.3/0.5	3.4/0.3	4380

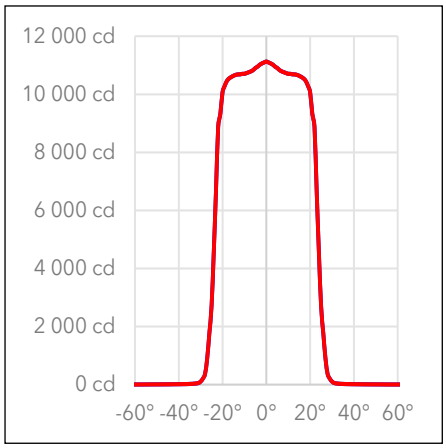
Spectrum



TM-30



Light distribution



Color temperature	CCT	7952
Color Deviation from Black	Duv	-0.0004
Color Coordinate CIE 1931	x	0.2958
	y	0.3047
Color Coordinate	u	0.1951
	v	0.3014

Color rendering index	CRI	91
Red component	CRI R9	84
Color fidelity	TM30 Rf	87
Color gamut	TM30 Rg	103
Television consistency Index	TLCI	89

Fixture settings: DMX mode: 1; Fans: Auto; Dimmer curve: Square Law; Shutter: Open; Dimmer: Open; No effect in light beam
Measurement date: 23.05.2022

FRESNEL™

T1 PC™

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Packaging

T1 Fresnel™ / T1 PC™

Exterior dimensions

Cardboard	Single Top Loader Case	Dual Top Loader Case
525 x 410 x 840 mm (20.7 " x 16.1 " x 33 ")	790 x 680 x 600 mm (31.1 " x 26.8 " x 23.6 ")	790 x 1330 x 600 mm (31.1 " x 52.4 " x 23.6 ")

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