



PROFILE™
PROFILE FS™

ROBE®



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, adjustable CCT from 2.700 K to 8.000 K, CRI 95+, 12.600 lm

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

MCE™ - Split and multicoloured effects created directly from the LED engine

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

Plano4™ - Framing shutters module with 4 individually positionable blades plus rotation of the complete frame system + - 60°

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

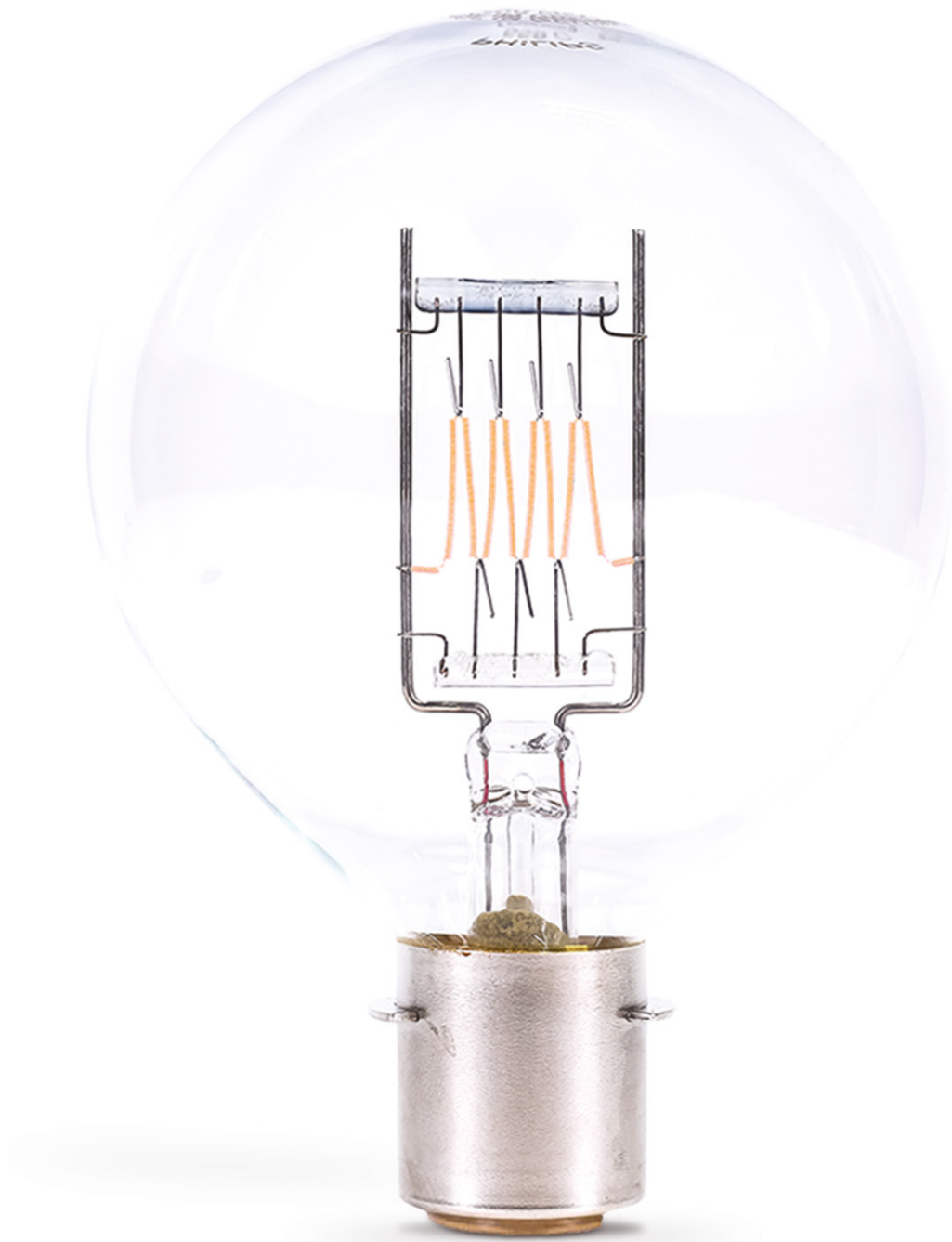
AirLOC™ - (Less Optical Cleaning) technology greatly reduces the level of airborne particles drawn over the optical elements. This increases the overall performance, light quality and time between routine cleaning and maintenance

MagFrost™ - Magnetic paddle fast change system providing exchangeable frosts containing as standard a very light 0.5° for instant softening of the projected gobo or framing shutters, and a medium 10° for even wash, both specifically selected for theatre and TV use

The T1 Profile™ is 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; 7°–49° zoom; variable 0.5° and 10° frosts at all zoom levels; selection of breakup and aerial gobos, animation wheel; 6-facet prism, plus a fully motorised, rotating, framing shutter set.

The variable CCT from 2.700 K to 8.000 K and tungsten emulation features ensures the T1 Profile™ fits into any lighting design, and at just 24.5 kg, this compact fixture also slots into any rig.

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



Re-invented....

ROBE®

MSL™
MULTI-SPECTRAL
LED LIGHT
SOURCE

RCC™
ROBE COLOUR
CALIBRATION
SYSTEM

DATASWATCH™
FAST SELECTION
OF COLOURS
& TONES



C M Y
COLOUR MIXING

VARIABLE
CCT
2.700K - 8.000K

CPULSE™
FLICKER
FREE
MANAGEMENT

PROFILE™
PROFILE

T1 The new ONE and only fixture you need for theatre, television and touring and now with the option to be connected to the Robe innovative RoboSpot system.



Specifically designed to fulfil the challenging requirements of these diverse applications within one comprehensive fixture. The new revolutionary MSL™ (Multi-Spectral Light) LED engine's output reaches 12.600 lumens. It's impressively bright. T1 Profile is full of theatrical subtlety. With CMY colour control, DataSwatch™ filters containing a selection of pre-programmed colours via the new generation RCC™ (Robe Colour Calibration) algorithm and a wide ranging 2.700K to 8.000K CCT control, all variations of colour are possible for even the most demanding designers. The precise needs of theatrical dimming are catered to with our super smooth Robe 18-bit dimming system. In addition, the high CRI of 95+ provides 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 work, we have included a plus and minus green channel and Cpulse™ special flicker-free management for all vision systems such as HD and UHD cameras. All this combined with our crisp framing shutter system, full zoom range of 0.5° and 10° variable frosts, specially designed breakup and aerial gobos, animation wheel and prism, gives you total control of your designs in theatre, television and touring.

The T1 Profile FollowSpot is equipped with the digital camera on the head and can be connected with the RoboSpot BaseStation for off-stage follow spot operation.

You need only ONE. T1



Source

- Light source type: MSL™ 550 W 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: 7°–49°, covers favoured field angles of most Theatre and TV lights
- Fixture total lumen output: 12.600 lm (integrating sphere) 10.075 lm (goniophotometer)
- Output lens diameter: 140 mm

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
- + - Green correction function
- Adjustable CRI from 80 to 95+
- MCE™ - Split and multicoloured effects created directly from the LED engine (Patented)
- 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, all gobos specially selected for theatrical and TV productions, patented slot & lock system
- Animation wheel: Aluminium animation wheel, used alone or in combination with gobos, rotating in both directions at variable speed
- Prism: 6-facet 8° 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 0.5° for instant softening of the projected gobo or framing shutters, and a medium 10° 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
- 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 CTO: 8 bit
- Adjustable CRI: 8 bit
- + - Green correction: 8 bit
- Framing shutters module movement & rotation: 8 bit
- Rotating gobo wheel positioning: 8 bit
- Gobo indexing & rotation: 8 or 16 bit
- Animation wheel: 8 bit
- Prism indexing & 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
- 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

Rotating Gobos

- 7x rotating glass gobos
- Image diameter: 25.0 mm
- Outside diameter: 26.8 mm
- Thickness: 1.1 mm

- Max. thickness: 4 mm
- High temperature borofloat or better glass
- Patented slot & lock system for easy replacement of gobos

Effect Wheel

- Single animation wheel
- Material: Aluminium
- Can be used alone or in combination with rotating gobos
- Rotating in both directions, 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
- Smooth and very precise motion of framing shutters
- Rotation: +- 60° of the complete framing system

Thermal Specification

- Maximum ambient temperature: 45 °C (113 °F)
- Maximum surface temperature: 70 °C (158 °F)
- Minimum operating temperature: -5 °C (23 °F)
- Total heat dissipation: max. 2.560 BTU/h (calculated)

Noise Levels

- Sound pressure level: 24 dB(A) at 1 m (quiet mode) 30 dB(A) at 1 m (auto mode)
- Sound power level: 32 dB(A) (quiet mode) 38 dB(A) (auto mode)

Electrical Specification and Connections

- Power supply: Electronic auto-ranging
- Input voltage range: 100–240 V, 50 / 60 Hz
- Power consumption: max. 750W at 230 V / 50 Hz (all LEDs On)
- Power connector in: Neutrik powerCON TRUE1
- DMX and RDM data in/out: Locking 3-pin & 5-pin XLR
- Ethernet port in/out: RJ45 (instead of 3-pin XLR) - T1 Profile & T1 Profile FS, for Embedded Epass™ switch 10/100 Mbps - on request
- USB connector (series A) for lightmaster purposes

Approvals

- CE Compliant
- cETLus Compliant

Environmental Information

T1 Profile

- EPD registration number: EPD-IES-0011291:002 (S-P-11291)
- GWP (Global Warming Potential) total in modules A1-A3 (according LCA): 827 Kg CO2e



Mechanical Specification

- Height: 726 mm (28.6") - head in vertical position
- Width: 400 mm (15.7")
- Depth: 258 mm (10.2") - head in vertical position
- Weight: T1 Profile 24.3 kg (54 lbs)
T1 Profile FS 25.5 kg (56.2 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: 10980440
- RoboSpot Camera for T1 Profile FS

Camera (T1 Profile FS)

- Type: XNZ-L6320A
- Resolution: 1920 x 1080, 16:9 Full HD (1080p) resolution support
- Zoom: 32x optical zoom, 32x digital zoom
- Streaming: H.265, H.264, MJPEG Codec, Multiple streaming
- Vision: Day & Night (ICR), WDR (120dB), Defog
- Minimum illumination: 0.05 Lux

Optional Accessories

- 7.5" Gel Frame: 10980443
- Gel frame adaptor: T1 with Top Hat 10980474
- Top hat: 10980451 (compatible with optional adaptor 10980474 only)
- Doughty Trigger Clamp: 17030386
- Frost 0.5° (exchange) assembled: 10980583
- Frost 1° (exchange) assembled: 10980578
- Frost 5° (exchange) assembled: 10980573
- Frost 10° (exchange) assembled: 10980497
- Frost 20° (exchange) assembled: 10980574
- Frost 30° (exchange) assembled: 10980584
- Hot-Spot lens in gobo holder: 10980483
- Safety wire 36 kg: 99011963
- Upgrade kit CRMX Universal 260: 99030100

- Single Top Loader Case: 10120244-03
- Dual Top Loader Case: 10120245-03
- Foam Shell: 20020340-01

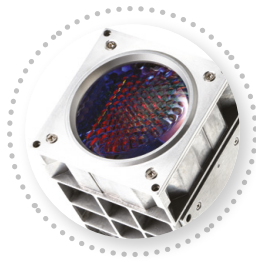
Legal

- T1 Profile™ and T1 Profile FS™ are Trademarks of Robe lighting s. r. o.
- T1 Profile™ and T1 Profile FS™ are patented by Robe lighting s. r. o. and protected by one or more pending or issued patents



MSL™ Multi-Spectral LED Light source

The new revolutionary MSL™ 550W LED engine (Patented) provides a fixture output reaching 12.600 lumens, high quality spectrum of CRI 95+, adjustable CCT from 2.700K to 8.000K and additive colour mixing with CMY control mode.



CMY Colour Mixing

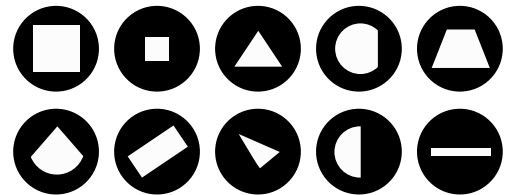


Framing Shutters Module

T1 uses a patented Plano4™ framing shutters module with four blades which can be individually controlled, positioned and angled. The whole module can be rotated + – 60°.

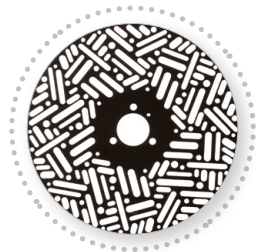


4-Plane Shutter System



Animation Wheel

Aluminium animation wheel can be used alone or in combination with gobo.



Gobos

T1 comprises a selection of breakup and aerial gobos designed specifically for theatrical and TV productions.

Rotating Gobo Wheel



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.



8.000 K



5.600 K



4.200 K



3.200 K



2.700 K

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.



Dimmer 100 %



Dimmer 80 %



Dimmer 50 %



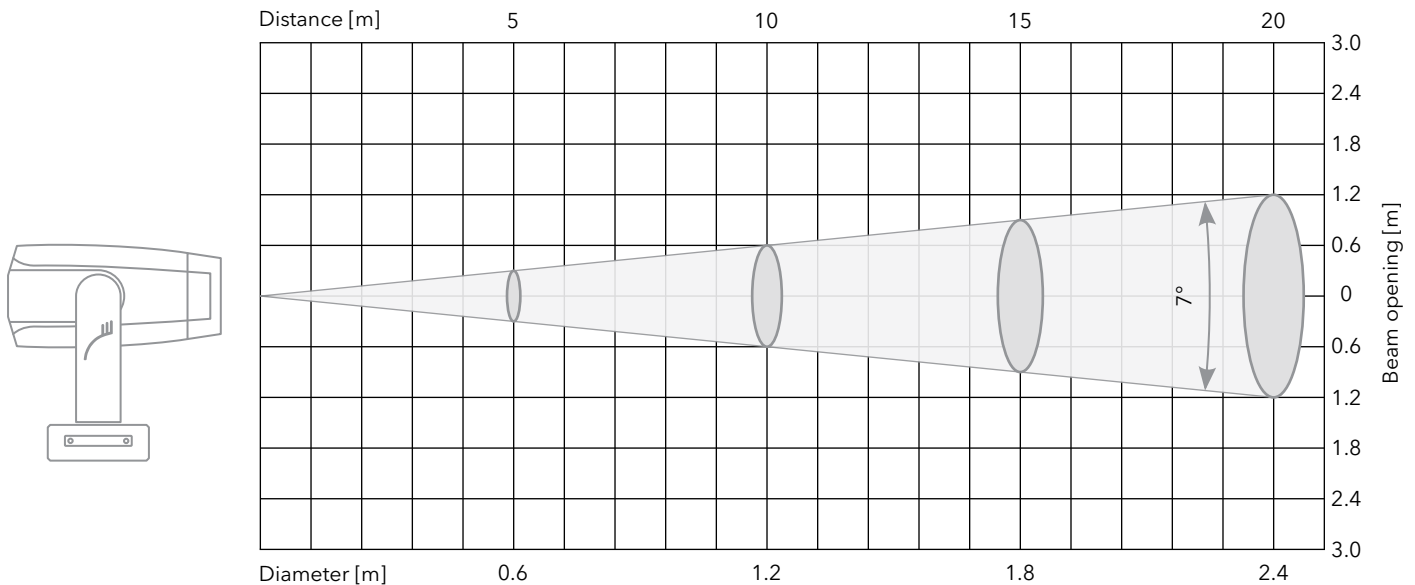
Dimmer 10 %

T1 Profile

Photometric report

Beam angle 7° - Min. zoom, CCT 8008K, CRI 77

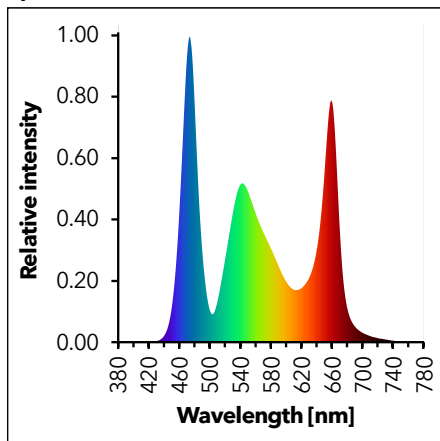
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
7°	7493 lm	6750 lm	660000 cd	531 W



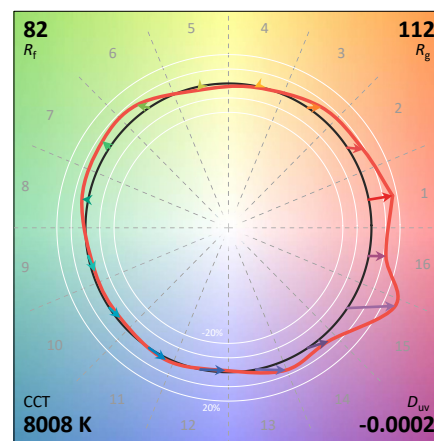
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
8000 K	26400/2453	6600/613	2933/273	1650/153	733/68	413/38	264/25	6750
8000 K Quiet mode	22968/2134	5742/533	2552/237	1436/133	638/59	359/33	230/21	5873
5600 K	22862/2124	5716/531	2540/236	1429/133	635/59	357/33	229/21	5845
4200 K	20598/1914	5150/478	2289/213	1287/120	572/53	322/30	206/19	5267
3200 K	18164/1687	4541/422	2018/187	1135/105	505/47	284/26	182/17	4644
2700 K	16855/1566	4214/391	1873/174	1053/98	468/43	263/24	169/16	4310

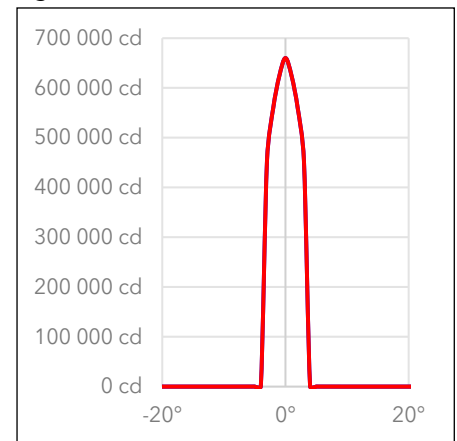
Spectrum



TM-30



Light distribution



Color temperature	CCT	8008
Color Deviation from Black	Duv	-0.0002
Color Coordinate CIE 1931	x	0.2952
	y	0.3045
Color Coordinate	u	0.1947
	v	0.3013

Color rendering index	CRI	77
Red component	CRI R9	-44
Color fidelity	TM30 Rf	82
Color gamut	TM30 Rg	112
Television consistency Index	TLCI	60

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

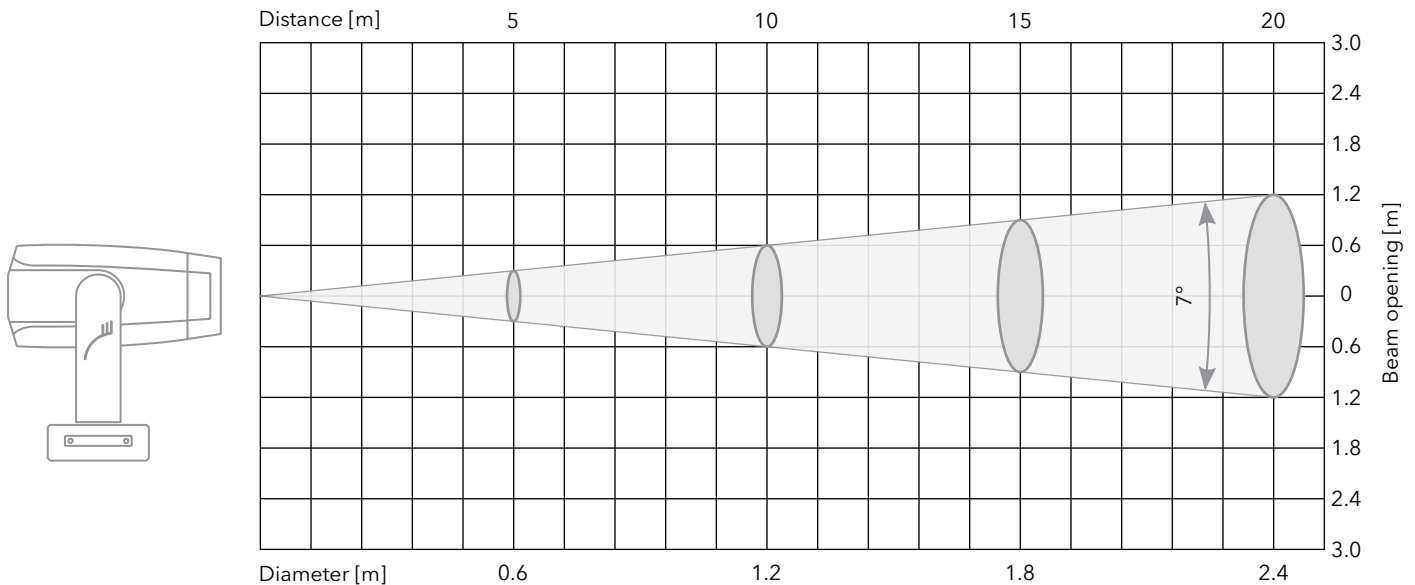
Measurement date: 23.05.2022

T1 Profile

Photometric report

Beam angle 7° - Min. zoom, CCT 8024K, CRI 92

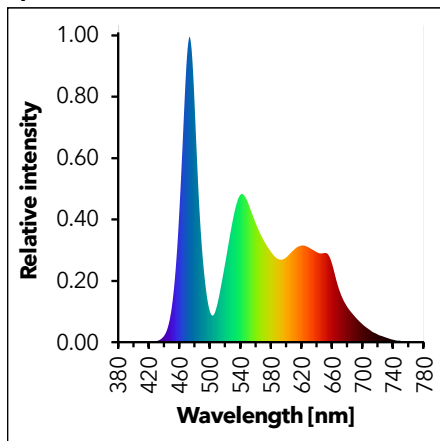
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
7°	4115 lm	3707 lm	362450 cd	331 W



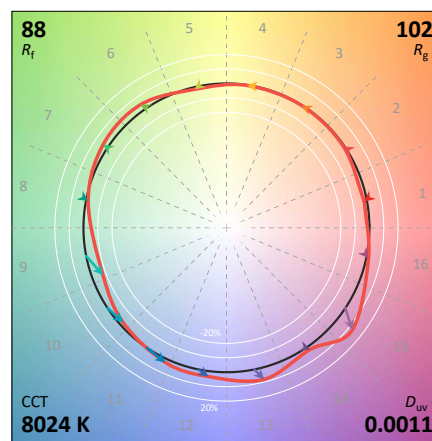
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
8000 K	14498/1347	3625/337	1611/150	906/84	403/37	227/21	145/13	3707
8000 K Quiet mode	12613/1172	3153/293	1401/130	788/73	350/33	197/18	126/12	3225
5600 K	13969/1298	3492/324	1552/144	873/81	388/36	218/20	140/13	3572
4200 K	13588/1262	3397/316	1510/140	849/79	377/35	212/20	136/13	3474
3200 K	13133/1220	3283/305	1459/136	821/76	365/34	205/19	131/12	3358
2700 K	12497/1161	3124/290	1389/129	781/73	347/32	195/18	125/12	3195

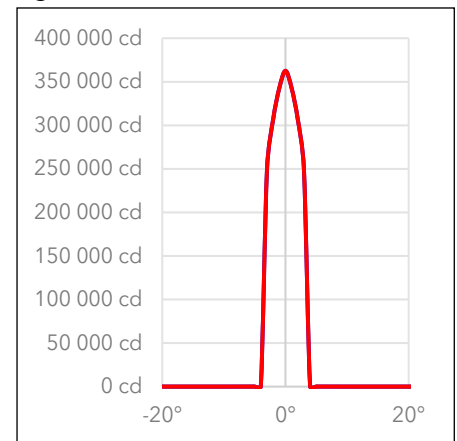
Spectrum



TM-30



Light distribution



Color temperature	CCT	8024
Color Deviation from Black	Duv	0.0011
Color Coordinate CIE 1931	x	0.2945
	y	0.3061
Color Coordinate	u	0.1936
	v	0.3018

Color rendering index	CRI	92
Red component	CRI R9	85
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

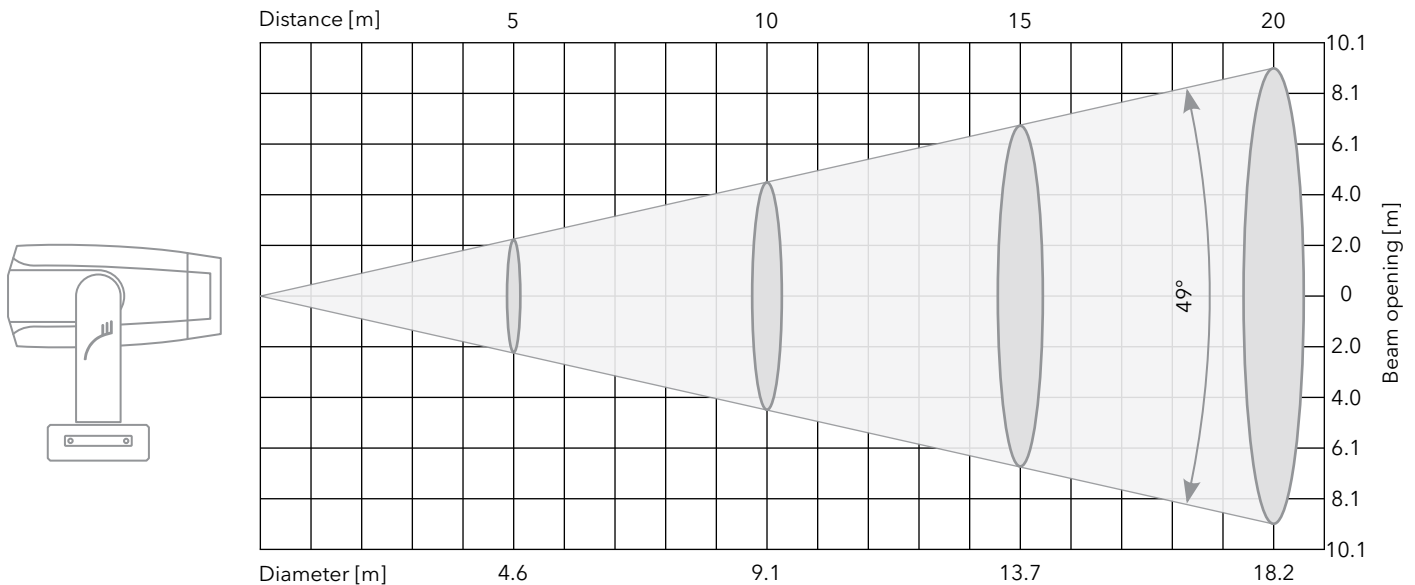
Measurement date: 23.05.2022

T1 Profile

Photometric report

Beam angle 49° - Max. zoom, CCT 8016K, CRI 77

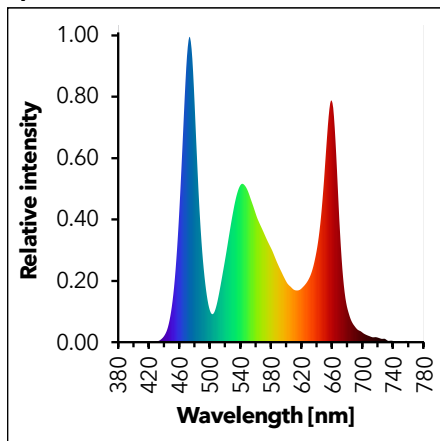
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
49°	12593 lm	10075 lm	19750 cd	531 W



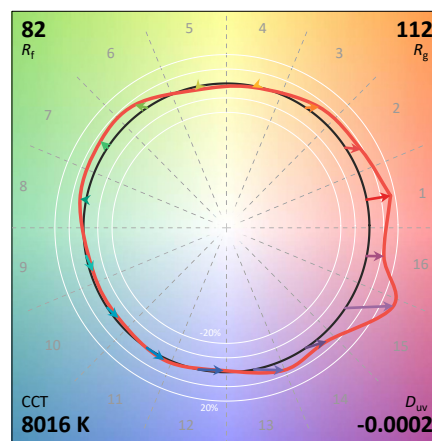
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
8000 K	790/73.4	197.5/18.3	87.8/8.2	49.4/4.6	21.9/2	12.3/1.1	7.9/0.7	10075
8000 K Quiet mode	687/63.8	171.8/16	76.3/7.1	42.9/4	19.1/1.8	10.7/1	6.9/0.6	8761
5600 K	681/63.3	170.3/15.8	75.7/7	42.6/4	18.9/1.8	10.6/1	6.8/0.6	8685
4200 K	615/57.1	153.8/14.3	68.3/6.3	38.4/3.6	17.1/1.6	9.6/0.9	6.2/0.6	7843
3200 K	538/50	134.5/12.5	59.8/5.6	33.6/3.1	14.9/1.4	8.4/0.8	5.4/0.5	6861
2700 K	504/46.8	126/11.7	56/5.2	31.5/2.9	14/1.3	7.9/0.7	5/0.5	6428

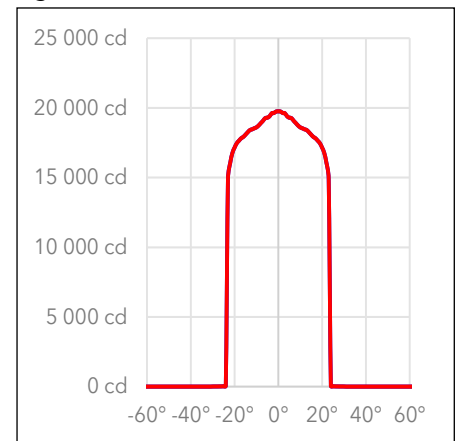
Spectrum



TM-30



Light distribution



Color temperature	CCT	8016
Color Deviation from Black	Duv	-0.0002
Color Coordinate CIE 1931	x	0.2951
	y	0.3043
Color Coordinate	u	0.1947
	v	0.3012

Color rendering index	CRI	77
Red component	CRI R9	-44
Color fidelity	TM30 Rf	82
Color gamut	TM30 Rg	112
Television consistency Index	TLCI	60

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

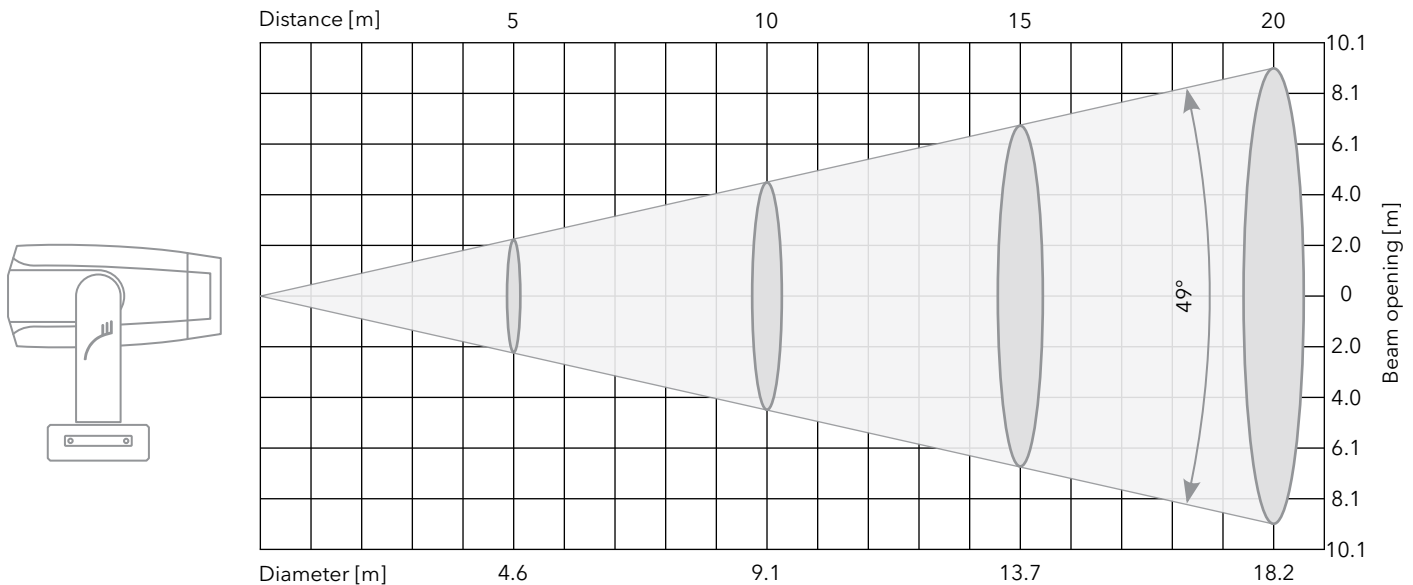
Measurement date: 23.05.2022

T1 Profile

Photometric report

Beam angle 49° - Max. zoom, CCT 8003K, CRI 92

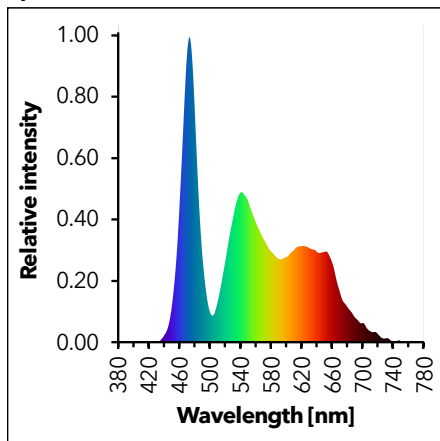
Beam angle	Total lumen output (integrating sphere)	Total lumen output (goniophotometer)	Peak candela	Power
49°	6862 lm	5490 lm	10750 cd	331 W



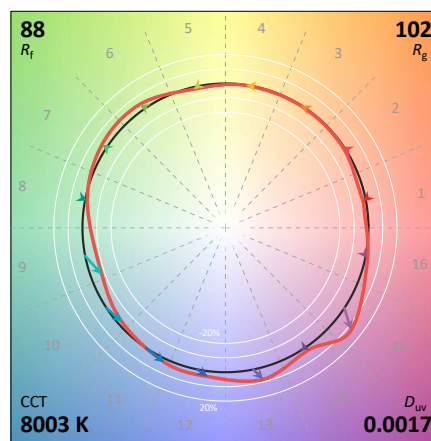
Center beam intensity [lx]/[fcd]; Total lumen output [lm] measured by goniophotometer

Distance	5 m	10 m	15 m	20 m	30 m	40 m	50 m	Total lumens
8000 K	430/39.9	107.5/10	47.8/4.4	26.9/2.5	11.9/1.1	6.7/0.6	4.3/0.4	5490
8000 K Quiet mode	374/34.7	93.5/8.7	41.6/3.9	23.4/2.2	10.4/1	5.8/0.5	3.7/0.3	4775
5600 K	414/38.5	103.5/9.6	46/4.3	25.9/2.4	11.5/1.1	6.5/0.6	4.1/0.4	5286
4200 K	402/37.3	100.5/9.3	44.7/4.1	25.1/2.3	11.2/1	6.3/0.6	4/0.4	5133
3200 K	388/36	97/9	43.1/4	24.3/2.3	10.8/1	6.1/0.6	3.9/0.4	4954
2700 K	372/34.6	93/8.6	41.3/3.8	23.3/2.2	10.3/1	5.8/0.5	3.7/0.3	4749

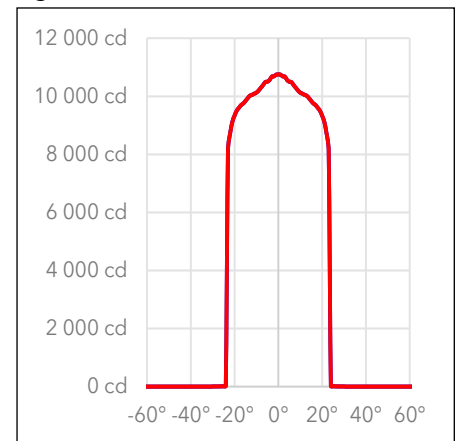
Spectrum



TM-30



Light distribution

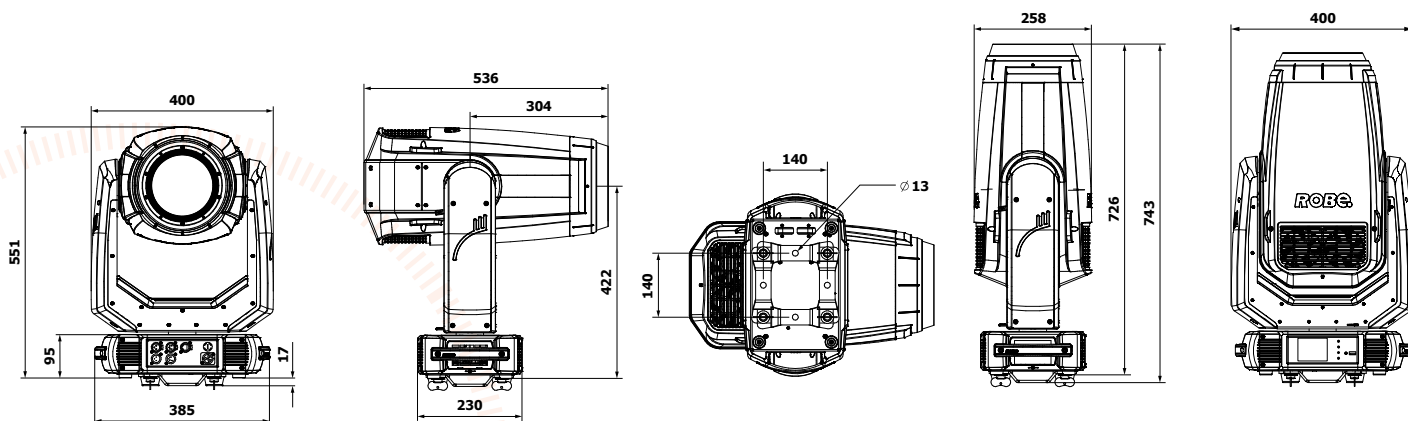


Color temperature	CCT	8003
Color Deviation from Black	Duv	0.0017
Color Coordinate CIE 1931	x	0.2944
	y	0.3071
Color Coordinate	u	0.1932
	v	0.3022

Color rendering index	CRI	92
Red component	CRI R9	85
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: 23.05.2022





PROFILE FS™





The only 1 you need

Packaging

T1 Profile™ / T1 Profile FS™



Exterior dimensions

Cardboard

525 x 410 x 840 mm
(20.7" x 16.1" x 33")

Single Top Loader Case

790 x 680 x 600 mm
(31.1" x 26.8" x 23.6")

Dual Top Loader Case

790 x 1330 x 600 mm
(31.1" x 52.4" x 23.6")



The only 1 you need



Packaging

Cardboard - 505 x 390 x 800 mm

Single Top Loader Case - 680 x 600 x 790 mm

Dual Top Loader Case - 1350 x 600 x 790 mm



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

July 2025 © ROBE lighting s. r. o. All specifications subject to change without notice.