



Naja—inspired by one of the most mythical serpents and built for exceptional performance. Weatherproof, ultra-powerful and fully equipped, it channels intensity into a compact format with oversized 200 mm optics, a homogeneous 0.6° beam, a 35x zoom range, and up to 1,840,000 lx at 10 metres.

Naja pairs that output with an expansive colour and effects system: an ultra-fast disc-based CMY mixer, extensive colour wheels and filters (including CTO and minus green), and a vast gobo and prism toolkit for complex, volumetric looks. Continuous pan/tilt rotation with the innovative 'Short Cut' function, a newly developed cooling system, quiet operation and a refined visual signature complete a luminaire designed to open up new creative territory on stage.

★ KEY FEATURES

➤ Mamba DNA – Compact format

Naja follows the same design philosophy as Mamba in both internal architecture and optics. As with Mamba, the goal is to deliver a wide range of exciting creative features, making Naja much more than a traditional beam fixture. The breathtaking psychedelic effects are back – simply in a smaller-format product.

➤ Signature Gobos

Naja features the same rotating glass gobo designs as Mamba. It also supports custom gobos, provided they are made from quartz glass. The fixed gobo wheel includes the same starfield animation wheel as Mamba, with new gobo shapes added at positions 25, 26, 27 and 34.

➤ Advanced Prism system

Naja keeps Mamba's dual-stage prism philosophy, with combinable primary prism wheels and multiplier prisms for layered effects. It introduces new prism options, including the Skyline Prism, which creates a dramatic, razor-sharp stretched line effect without reducing light output as with framing for example. The system also includes the 32-facet circular prism from Kyalami and additional swappable prisms for even more versatility.

➤ Expanded colour control

Naja retains the core DNA of Mamba's fixed colour system, including single colours, Starshape multi-colour chips, colour-correction filters, and multi-colour tracks. These are now split across two colour wheels, allowing new combinations such as CTO with minus green or layered colour effects.

➤ High speed performance

Cobra²'s gobos can be seamlessly combined with two sections of four independently rotating prisms. These prisms can be individually or collectively blended to create a diverse array of volumetric lighting effects.

TECHNICAL SPECIFICATIONS

SOURCE	
Engine	LASER Phosphore
LASER Watts	350 W (total fixture use, see Electrical section)
LASER Engine Life (L70)	Up to 12,000 hours
LASER Refresh Rate	1.2 kHz, 2.4 kHz, 16 kHz
Dimming	Electronic
Dimming Curves	Square & Linear
Dimming Control Options	Auto on/off dimmer smoothing when Snap effects
Strobe Speed	1-25 Hz Per Second
Strobe Modes	Strobe Effects / Pulse Effects / Random Effects

ELECTRICAL	
Max Power Consumption	700 W
Standby Consumption	148 W @ 220 V
Voltage Range	100-240 V 50-60 Hz
Current (Max)	7.032A
Inrush (Half Cycle)	<40 A @ 230 V
Maximum Current available at the output	12 A
Connector	In/Thru
Power Supply Unit	Active PFC
Contains Battery	N/A

TYPICAL POWER AND CURRENT	
120V , 60Hz	5.174A, 615W, PF 0.989
208V, 60Hz	2.95A, 596W, PF 0.972
230V, 50Hz	2.68A, 595W, PF 0.964
240V, 50Hz	2.56A, 589W, PF 0.959

Suitable disclaimer nominal, etc

OPTICAL PERFORMANCE	
Lens Size	200 mm (10.63 in)
Zoom Range	0.6° to 21°
Zoom Ratio	35:1
Gate Size	4 mm

MOVEMENT		
Pan Range	Infinite	
Pan Speed (End to End or range)	180°	322.3 rpm
	360°	322.3 rpm
	EtoE	322.3 rpm
Tilt Range	Infinite	
Tilt Speed (End to End or range)	180°	281.3 rpm
	360°	281.3 rpm
	EtoE	281.3 rpm
Resolution	8- or 16-bit	
Calibration Time	54.3 sec	
Position Correction System	Yes / Automatic repositioning	
Follow Spot Modes	Tracking system	

COLOUR SYSTEM	
Colour System(s)	CMY, CTO, colour wheel
Control	CMY 16-bit & 8-bit
CTO	9500K to 3800K
Variable CTP	½ and ¼ minus green
Colour Wheel 1	15 complementary colours, 2 minus green filters, 2 multicolour filters
Colour Wheel 2	Variable CTO, 3 multicolour effect sections
Colour Wheel Effects	Continuous oscillation

GOBOS	
Indexing Wheel	1
Indexing Gobos	12 (metal or quartz)
Gobo Diameter	6.9 mm (0.24 in)
Image Diameter	4 mm (0.16 in)
Static Wheel	1
Static Gobos	80
Animation Wheel	Yes
Animation Details	Bi-Directional with continuous rotation

TECHNICAL SPECIFICATIONS

PERFORMANCE		
LASER engine output (Sphere)		23,890 lm
Fixture Output (Sphere)		13,936 lm (Fan Mode Auto)
		14,040 lm (Fan Mode Stage)
		10,133 lm (Fan Mode Silence)
		8,513 lm (Fan Mode Super Silence)
Fixture Output (Goniometer)		11,700 lm (Fan Mode Auto, after derating)
Field Lumens (Goniometer)	Narrow	13,936 lm
	Middle	11,443 lm
	Wide	12,975 lm
Lumen Per Watt (LPW) Max fixture output / 230 V Typical power		23
CCT		8,008 K
Δuv		0.005
CRI		68
With TrueColour™ Filter		≥ 85
Tm30		Rf: 64.6 Rg: 84.2
TLCI		37
CQS		61.7

IMAGING	
Framing	N/A
Framing Rotation	N/A
Iris	None (Beam Reducer on fixed gobo wheel)
Frost	2 Frost filters: Light 1° & Heavy 5°
Prism	- Primary prisms: 2 set of 3 combinable rotating and indexable prisms - Multiplier prisms: 2 set of 2 combinable rotating and indexable prisms»

CONNECTORS	
Power	Rean Power X In/Thru
DMX	IP65 In/Thru 5 Pin XLR
Network	IP65 In/Thru RJ45
Wireless	DMX Only

CONTROL	
DMX Control	DMX (USITT DMX-512-A) RDM (ANSI/ESTA E1.20)
Transceiver/Receiver	RS-485 with Opto Isolation
DMX Modes	1 User Mode
Channel Count	Extended – 49
DMX Chart	Scan the QR code on page 5
Network Protocols	ArtNet & sACN
Local Control	Colour LCD Panel 5 Menu Buttons NFC
Stand Alone Mode	Leader/Follower, presets 250
RDM Functions	Yes
Wireless DMX	CRMx TiMo RDM receiver
E-Sim Ready	No
USB Port	No

THERMAL	
Max Surface Temperature, steady state, at Ta 40°	85°C (185 °F)
Max Ambient Temperature (Ta Max)	45°C (113 °F)
Min Ambient Temperature (Ta Min)	-20°C (-4°F)
Total Heat Dissipation (Calculated +/- 10%)	3866 BTU/h
Minimum to illuminated surface	25 m (82.02 ft)
Minimum to combustible surface	0.1 m (0.33 ft)
Thermal Protection system	Yes
Cooling modes	See Acoustics
Cooling System	Advanced Liquid Cooling IP68 Self adjusting Variable speed fans

TECHNICAL SPECIFICATIONS

ACOUSTICS STATIC		
Fan Mode	dBA ¹	NC ²
Auto	40.6 dBA	30
Stage	43 dBA	34
Silence/Studio	36.8 dBA	25
Super Silence	33.7 dBA	21

DYNAMIC		
Mode	dBA ¹	NC ²
Auto	45.5 dBA	36
Stage	47.2 dBA	38
Silence/Studio	45.5 dBA	37
Super Silence	44.3 dBA	35

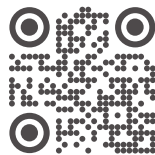
1. Measured @ 1m Static, 31dBA ambient

2. Noise Criterion

https://www.engineeringtoolbox.com/nc-noise-criterion-d_517.html

ENVIRONMENTAL	
IP Rating	IP 65
Salt Spray Testing	Pending
Estimated embodied carbon including: ▪ A1 – Raw materials of fixture and packaging ▪ A3 – Product manufacturing	TBA
Recycling options	Packaging widely recyclable. Cardboard is made of recycled pulp ³ .
SIP Optional	Yes

Our Environmental Commitment



3. Up to 92%

WARRANTY	
Fixture	2 years
LASER Engine	2 years

From date of invoice

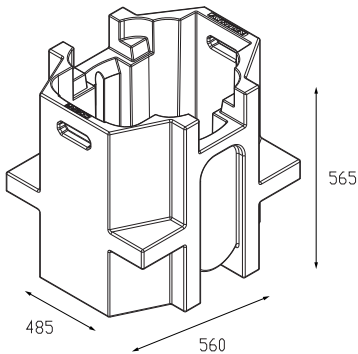
INSTALLATION	
Orientation	Any
Mounting attachments	- Fastening bracket system: two Omega ¼ turn brackets designed for use with standard clamps - Mounting points: four ¼ turn locking fittings allowing installation of Omega brackets on luminaire - Safety cable attachment point
Installation version	Yes, Fixed Tails

CONSTRUCTION	
Colour	Carbon Black Standard Custom colours on request
Materials	- Moving-head skeleton made of aluminium and steel metal plates - Base in die-cast aluminium - Heatsinks in aluminium and copper - Moulded covers in self-extinguishing fire retardant ABS PC (VO class) - Two-side handles for transportation - Four heavy-duty feet for better stability

INCLUDED ITEMS	
Manual	1
OMEGA brackets with quarter-turn locks	2
Cables	- IP65: 1 cable PowerCON True1 TOP to bare end, 1.5m - IP66: DMX IN / OUT tails to bare end for IP66 DMX connection - Ethernet IN / OUT tails to bare end for IP66 ArtNet™ connection - Power tail to bare end for IP66 power connection
Other accessories	N/A

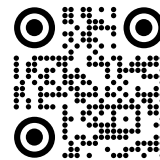
TECHNICAL SPECIFICATIONS

PHYSICAL

Fixture / IP65 / IP66	
Length	314.5 mm (12.36 in)
Height	668.7 mm (26.29 in)
Depth	359.6 mm (14.13 in)
Weight	31.5 kg (69.44 lb)
Shipping Dimensions	
Length	565 mm (22.24 in)
Height	665 mm (26.18 in)
Depth	490 mm (19.29 in)
Weight	45.8 kg (100.97 lb)
In SIP Dimensions	
Length	560 mm (22 in)
Height	565 mm (22.2 in)
Depth	485 mm (19 in)
Weight (excl fixture)	14 kg (30.86 lb)
SIP Drawing	

SUPPORTING DOCUMENTS

Manual
GDTF Profile
GMA Profile
IES File
DMX Tables
Photometric Files
Software
Warranty



COMPLIANCE

EU (EMC & LVD)	• EMC Directive 2014/30/EU • LVD Directive 2014/35/EU
US (Safety & EMC)	• UL 1573 • FCC Part 15, Subpart B: 2021
Substance Regulations	▪ RoHS ▪ REACH ▪ CP65
Declarations	Scan the QR code above

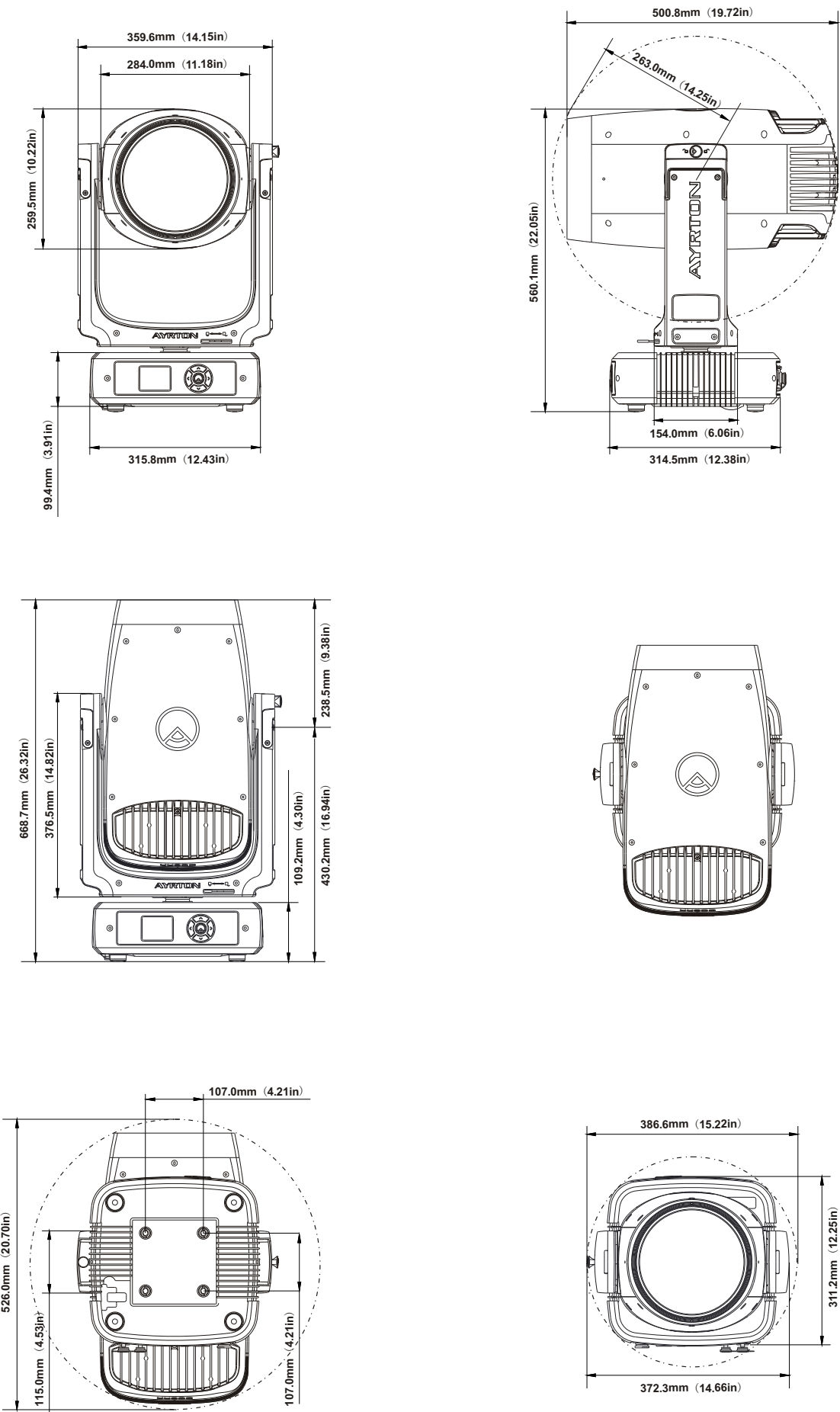
ORDERING DETAILS

Naja	014270
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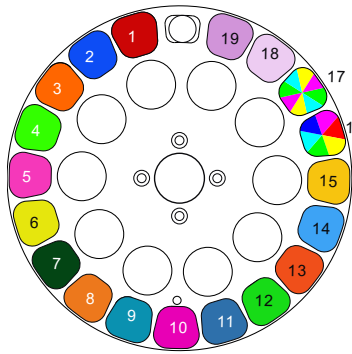
ACCESORIES

IP Test Kit	048250
Lynx Control	045130

TECHNICAL SPECIFICATIONS

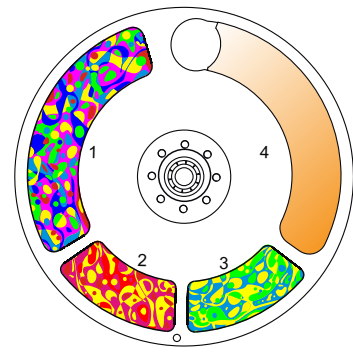


TECHNICAL SPECIFICATIONS



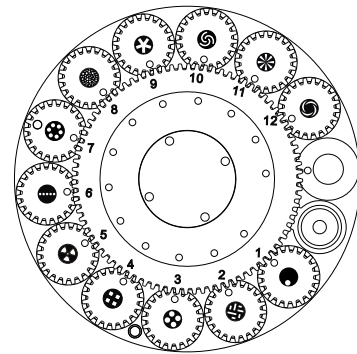
COLOUR WHEEL 1

1	Red
2	Blue
3	Orange
4	Green
5	Pink
6	Yellow
7	Velvet Green
8	Amber
9	Light Blue
10	Follies Pink
11	Slate Blue
12	Dark Green
13	Dark Amber
14	Medium Blue
15	Oklahoma Yellow
16	Multicolours #1
17	Multicolours #2
18	Minus Green 1/4
19	Minus Green 1/2



COLOUR WHEEL 2

1	Colour Animation 1
2	Colour Animation 2
3	Colour Animation 3
4	CTO



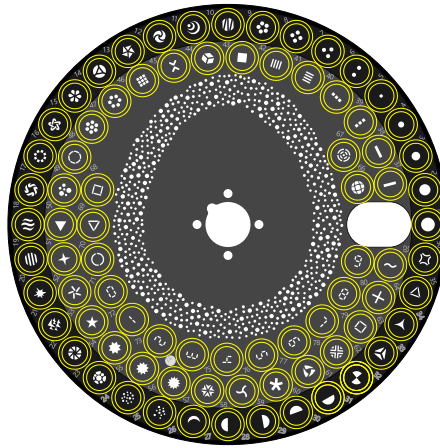
GOBO WHEEL 1

Rotating Gobo

1	310	Eccentric Dot	GPG0501481
2	358	Lines Mix	GPG0500249
3	328	Dot Square 4	GPG0500250
4	332	Square Beam 4	GPG0500251
5	149	Nuclear	GPG0500252
6	314	Dot Line 5 H	GPG0501482
7	320	Dot Ring 6	GPG0500254
8	391	Starfield Medium	GPG0501483
9	342	Five Spokes	GPG0500256
10	114	Nested Half Rings	GPG0500257
11	343	Eight Spokes	GPG0500258
12	111	Nested Ring Light	GPG0500259

This side facing front lens

TECHNICAL SPECIFICATIONS



GOBO WHEEL 2

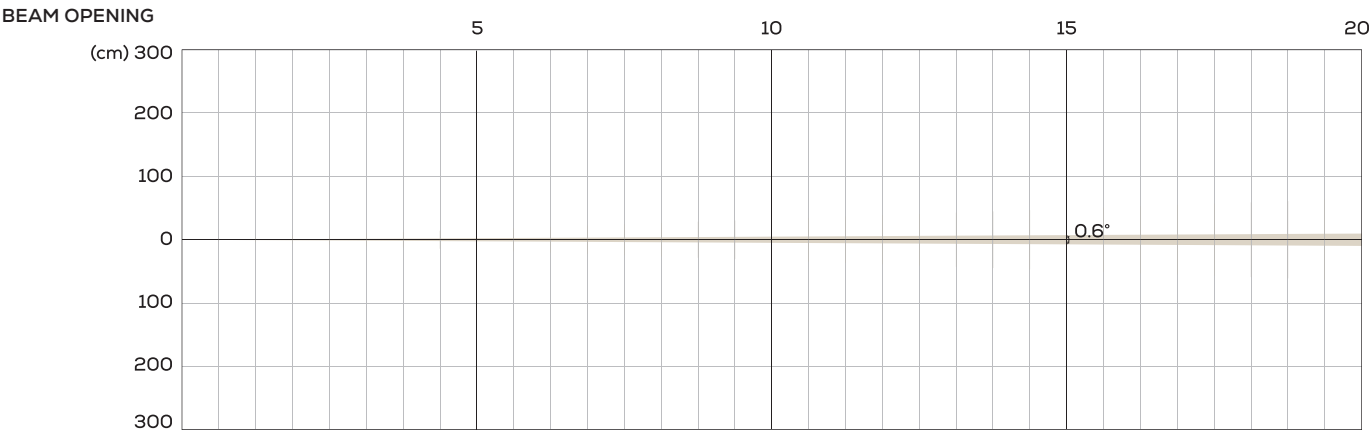
Static Gobo

1	302	80% Iris Beam	21	260	Arrows	41	354	Four Lines V	61	435	Nested Cross
2	304	60% Iris Beam	22	265	Iris 8	42	330	Square Beam	62	421	Split Square 1
3	306	40% Iris Beam	23	329	Dot Mix 8	43	363	Rubik Cube	63	431	X Cross
4	308	20% Iris Beam	24	392	Starfield Medium	44	437	Split Cross	64	348	Tilde
5	312	Dot Line 2	25	394	Starfield Light	45	334	Square Beam 9	65	188	Mirror Ball 9
6	326	Dot Triangle 3	26	396	Moon	46	320	Dot Ring 6	66	417	Split Target
7	328	Dot Square 4	27	295	Half Beam Down	47	321	Dot Ring 7	67	422	Split Square 2
8	319	Dot Ring 5	28	296	Half Beam Up	48	413	Split Circle 6	68	427	Split Triangle 2
9	257	Zig Zag Light	29	298	Half Beam Left	49	324	Dot Mix	69	411	Split Circle 2
10	135	Vortex Light	30	299	Half Beam Right	50	340	Triangle Beam	70	450	Number 0
11	110	Spiral	31	418	Crash Test Icon	51	374	Compass 4	71	451	Number 1
12	118	Helix 5	32	341	Split Triangle	52	346	Star Line 5	72	452	Number 2
13	424	Triangle Beam	33	375	Compass 3	53	345	Star 5	73	453	Number 3
14	263	Daisy	34	426	Split Triangle 1	54	378	Star 8	74	454	Number 4
15	373	Nested Star	35	419	Iron Ball Light	55	380	Star 10	75	455	Number 5
16	368	Square Ring 8	36	351	Vertical Line	56	382	Star 12	76	456	Number 6
17	439	Circular Saw 4	37	350	Bold Line	57	262	Arrow Ring 6	77	457	Number 7
18	099	Waves Light	38	371	Square Line 3 V	58	117	Helix 3	78	458	Number 8
19	274	Prison Bars 4	39	370	Square Line 3 H	59	342	Five Spokes	79	459	Number 9
20	269	Ink Stain	40	353	Four Lines H	60	261	Arrow Ring 3			

This side facing front lens

AUTO MODE: PHOTOMETRIC DETAIL

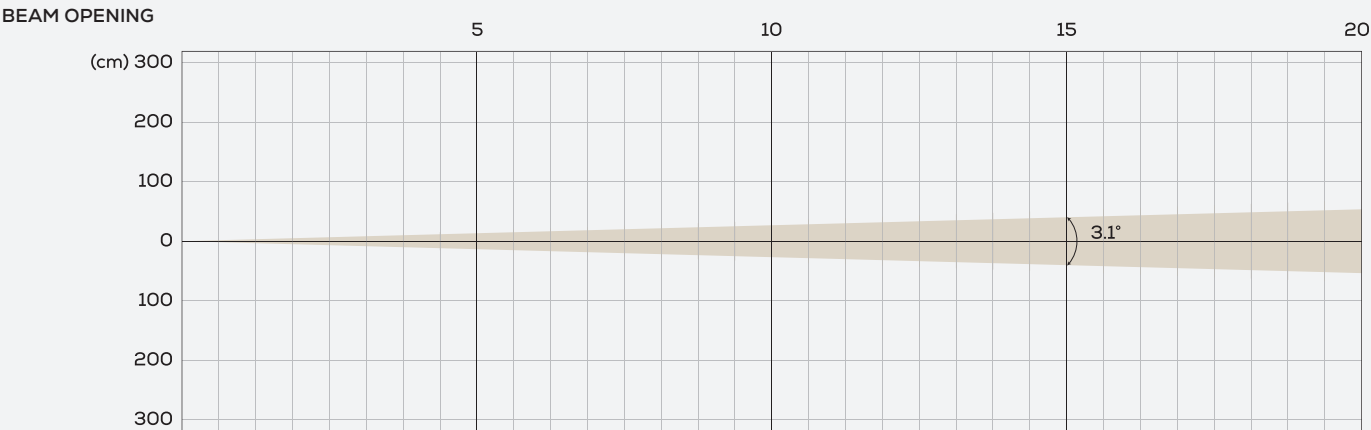
MIN ZOOM



INTENSITY

Distance (m)	5		10		15		20		30		50		100	
unit	Lux	Diameter	Lux	Diameter	Lux	Diameter	Lux	Diameter	Lux	Diameter	Lux	Diameter	Lux	Diameter
White	7,360,000	0.05	1,840,000	0.1	817,778	0.16	460,000	0.21	204,444	0.31	73,600	0.52	18,400	1.05

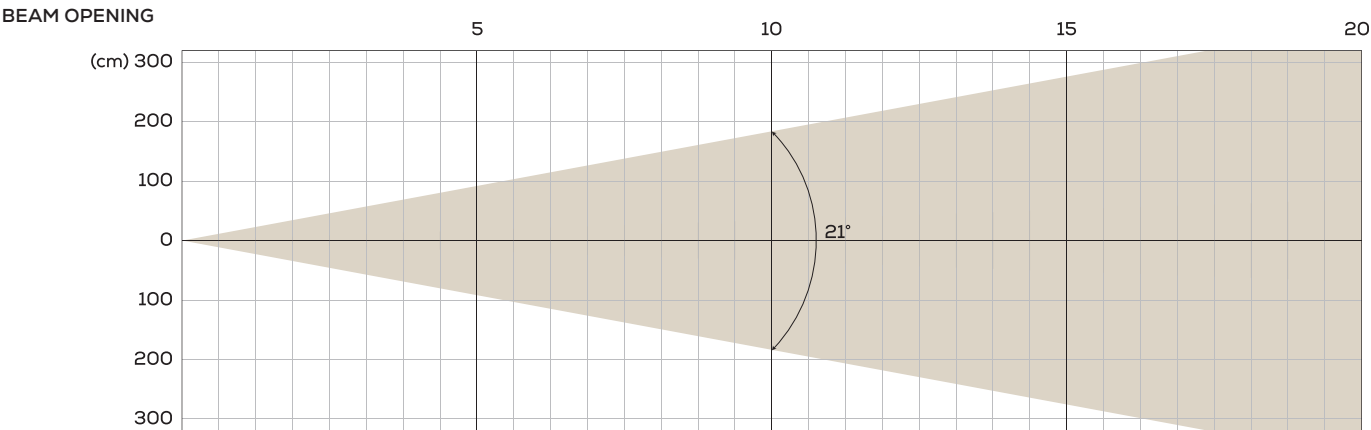
MIDDLE ZOOM



INTENSITY

Distance (m)	5		10		15		20	
unit	Lux	Diameter	Lux	Diameter	Lux	Diameter	Lux	Diameter
White	122,630	0.27	30,566	0.54	13,585	0.81	7,641	1.08

MAX ZOOM

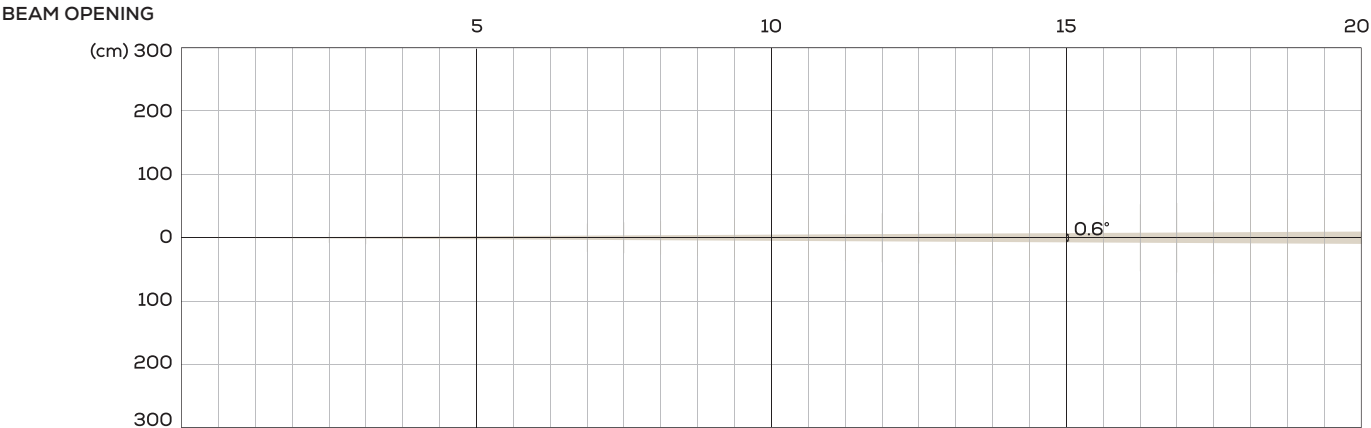


INTENSITY

Distance (m)	5		10		15		20	
unit	Lux	Diameter	Lux	Diameter	Lux	Diameter	Lux	Diameter
White	13,688	1.85	3,422	3.71	1,521	5.56	855	7.41

STAGE MODE: PHOTOMETRIC DETAIL

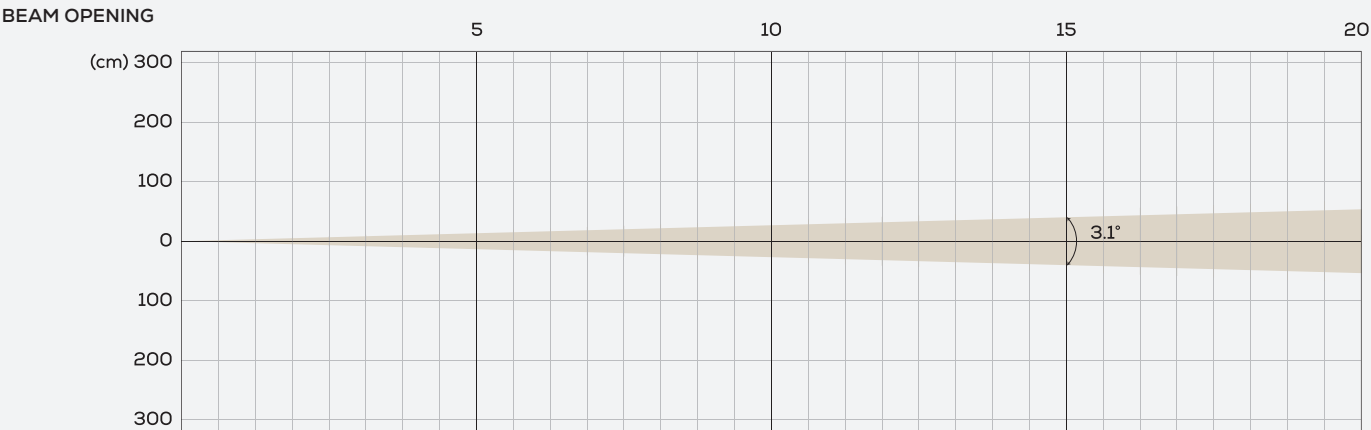
MIN ZOOM



INTENSITY

Distance (m)	5		10		15		20		30		50		100	
unit	Lux	Diameter	Lux	Diameter	Lux	Diameter	Lux	Diameter	Lux	Diameter	Lux	Diameter	Lux	Diameter
White	7,460,000	0.05	1,865,000	0.1	828,889	0.16	466,250	0.21	207,222	0.31	74,600	0.52	18,650	1.05

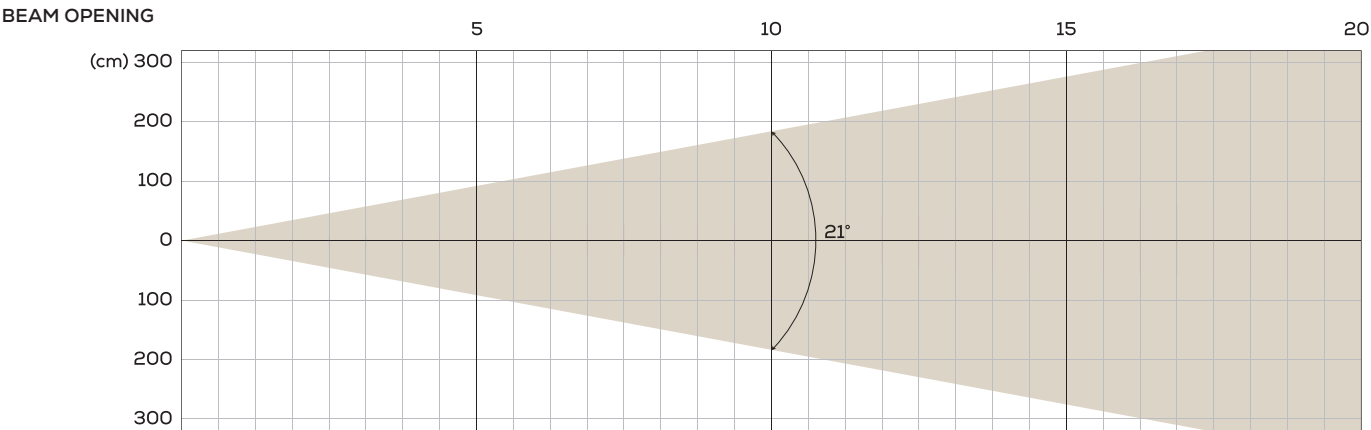
MIDDLE ZOOM



INTENSITY

Distance (m)	5		10		15		20	
unit	Lux	Diameter	Lux	Diameter	Lux	Diameter	Lux	Diameter
White	122,400	0.27	30,600	0.54	13,600	0.81	7,650	1.08

MAX ZOOM

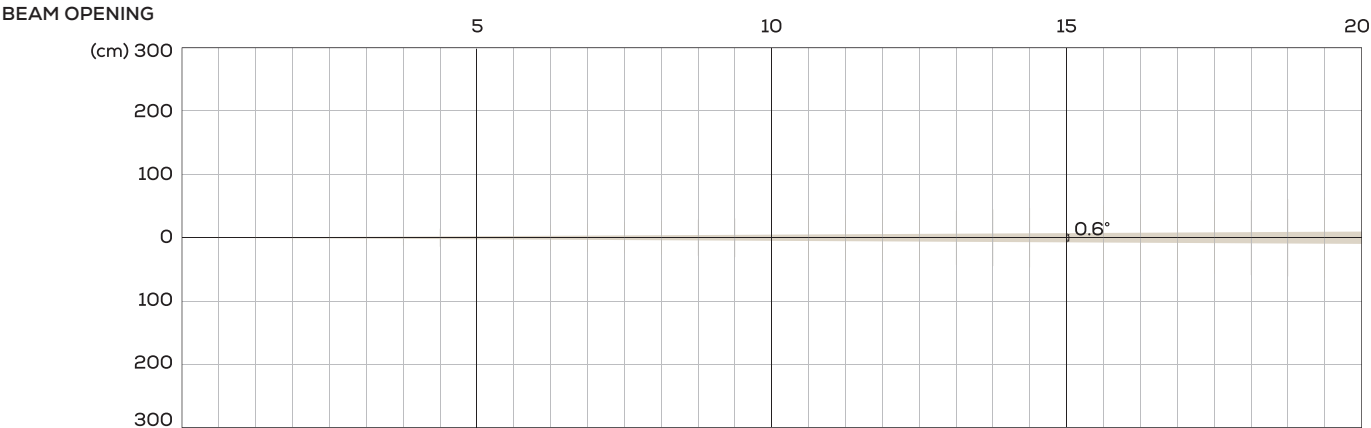


INTENSITY

Distance (m)	5		10		15		20	
unit	Lux	Diameter	Lux	Diameter	Lux	Diameter	Lux	Diameter
White	13,900	1.85	3,460	3.71	1,540	5.56	865	7.41

SILENCE MODE: PHOTOMETRIC DETAIL

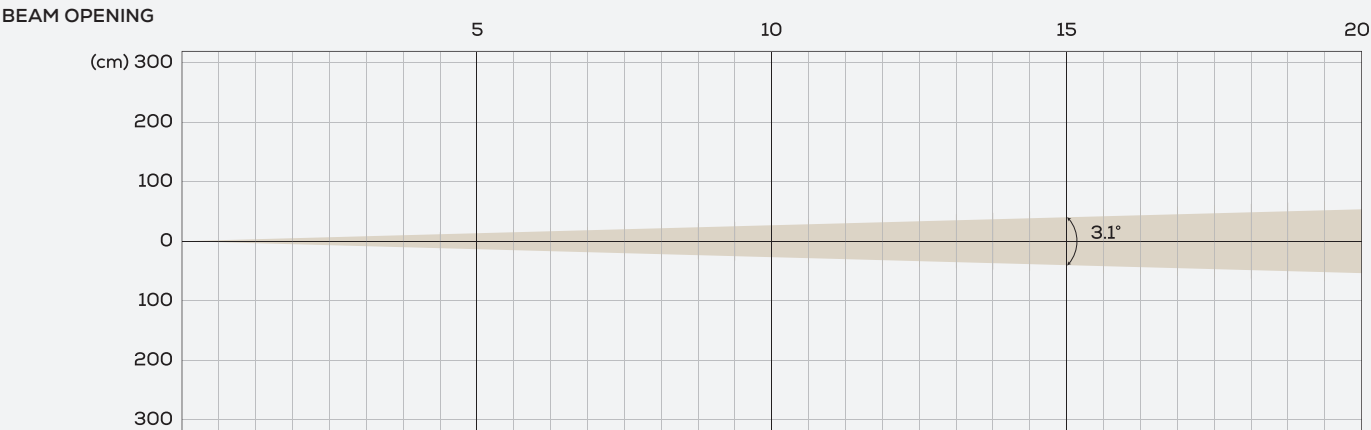
MIN ZOOM



INTENSITY

Distance (m)	5		10		15		20		30		50		100	
unit	Lux	Diameter	Lux	Diameter	Lux	Diameter	Lux	Diameter	Lux	Diameter	Lux	Diameter	Lux	Diameter
White	5,300,000	0.05	1,325,000	0.1	588,889	0.16	331,250	0.21	147,222	0.31	53,000	0.52	13,250	1.05

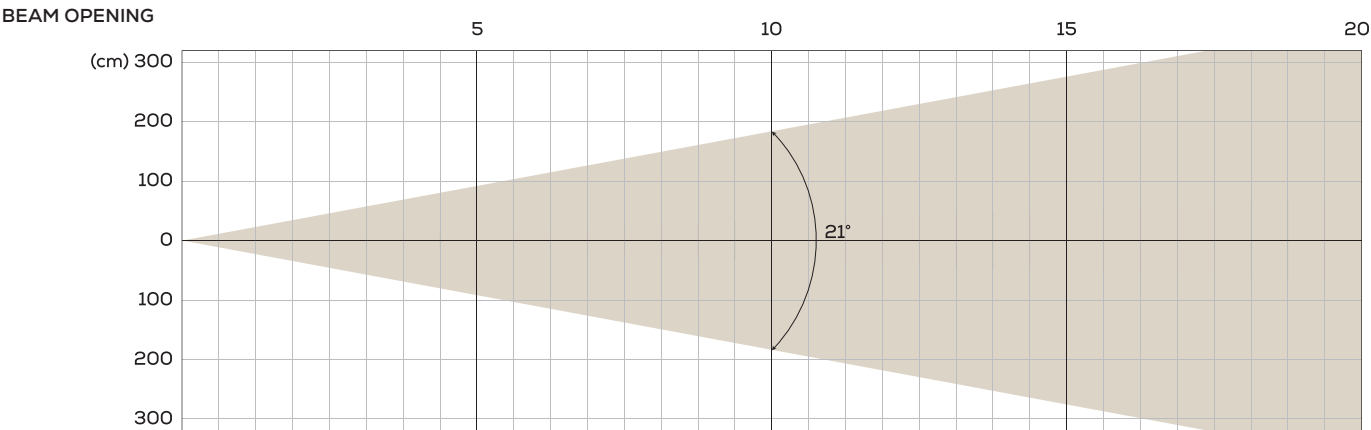
MIDDLE ZOOM



INTENSITY

Distance (m)	5		10		15		20	
unit	Lux	Diameter	Lux	Diameter	Lux	Diameter	Lux	Diameter
White	87,250	0.27	21,800	0.54	9,700	0.81	5,450	1.08

MAX ZOOM

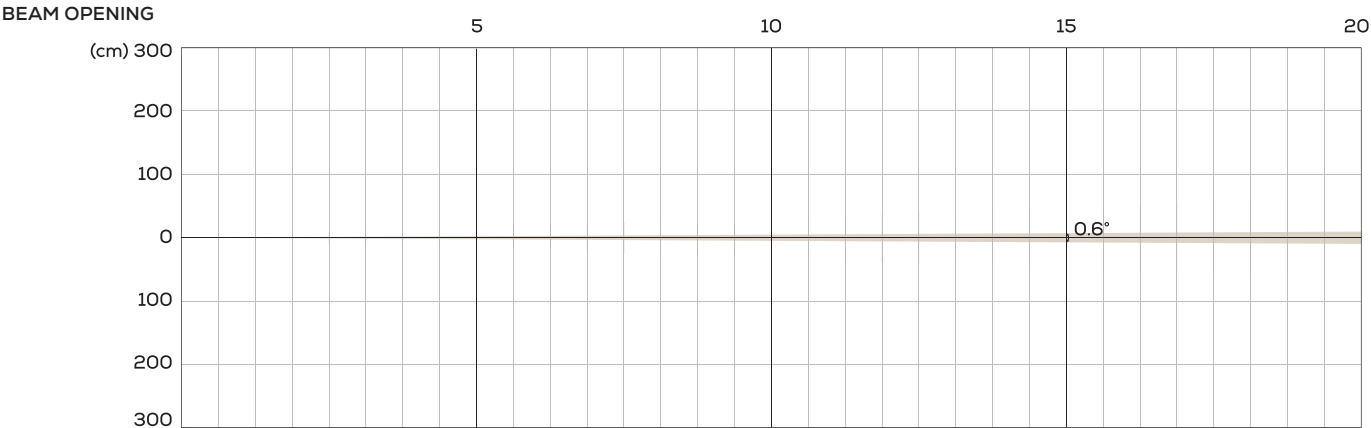


INTENSITY

Distance (m)	5		10		15		20	
unit	Lux	Diameter	Lux	Diameter	Lux	Diameter	Lux	Diameter
White	10,010	1.85	2,500	3.71	1,110	5.56	630	7.41

SUPER SILENCE MODE: PHOTOMETRIC DETAIL

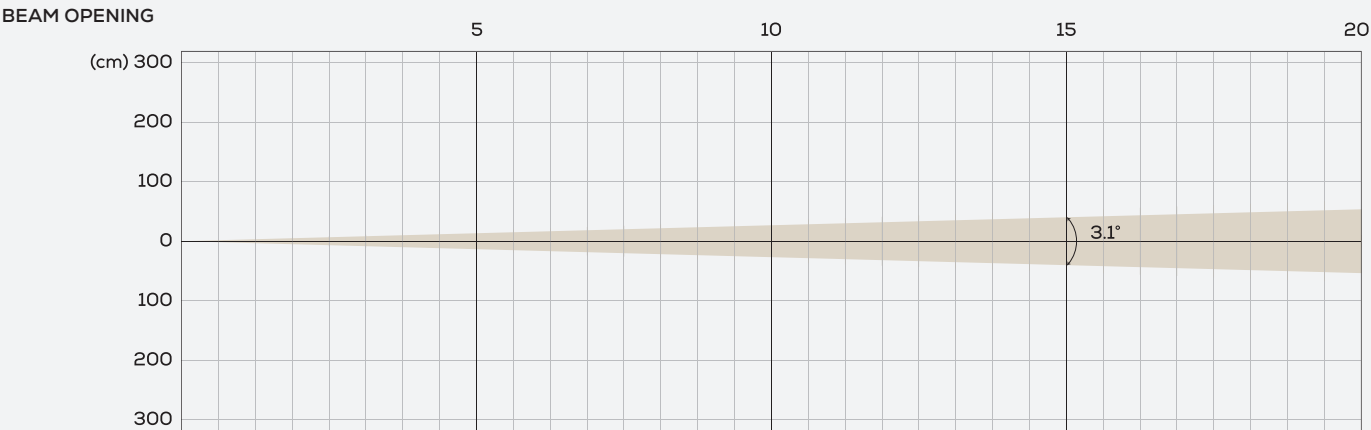
MIN ZOOM



INTENSITY

Distance (m)	5		10		15		20		30		50		100	
unit	Lux	Diameter	Lux	Diameter	Lux	Diameter	Lux	Diameter	Lux	Diameter	Lux	Diameter	Lux	Diameter
White	4,500,000	0.05	1,125,000	0.1	500,000	0.16	281,250	0.21	125,000	0.31	45,000	0.52	11,250	1.05

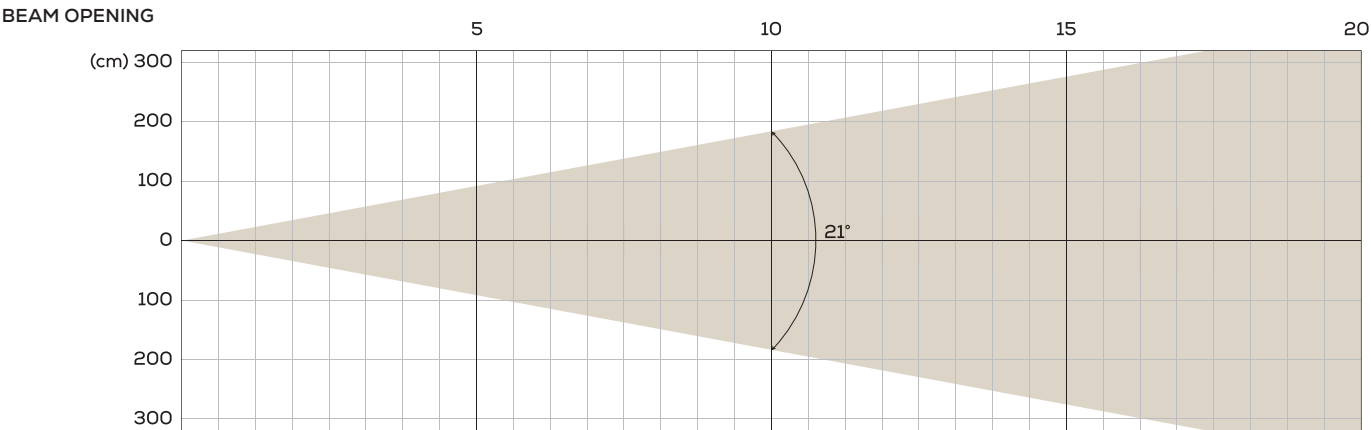
MIDDLE ZOOM



INTENSITY

Distance (m)	5		10		15		20	
unit	Lux	Diameter	Lux	Diameter	Lux	Diameter	Lux	Diameter
White	75,250	0.27	18,800	0.54	8,400	0.81	4,700	1.08

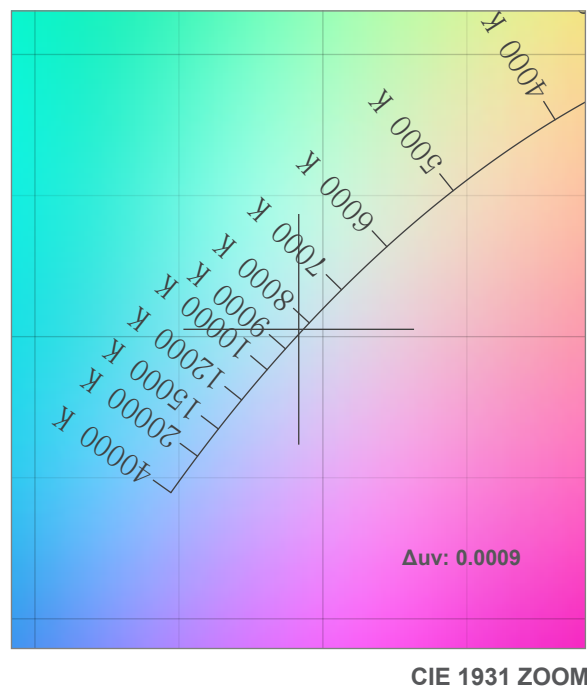
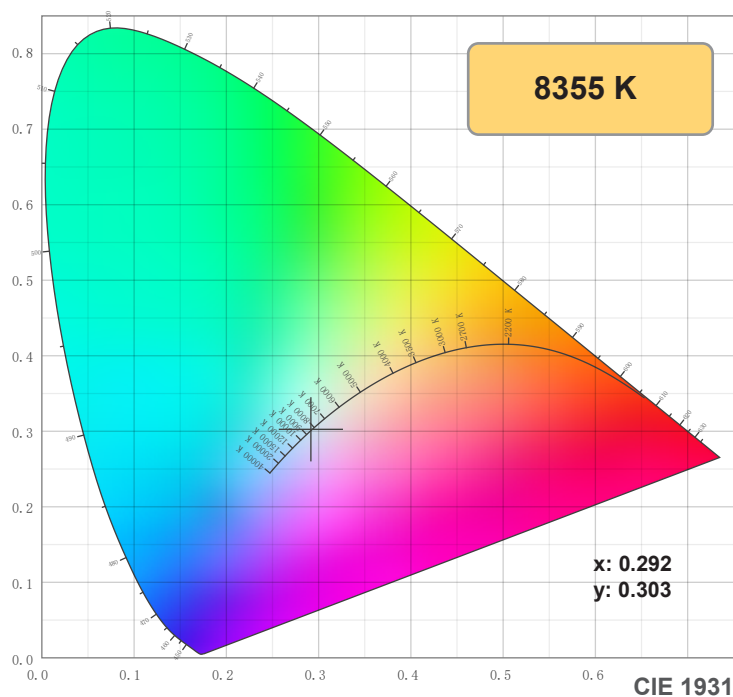
MAX ZOOM



INTENSITY

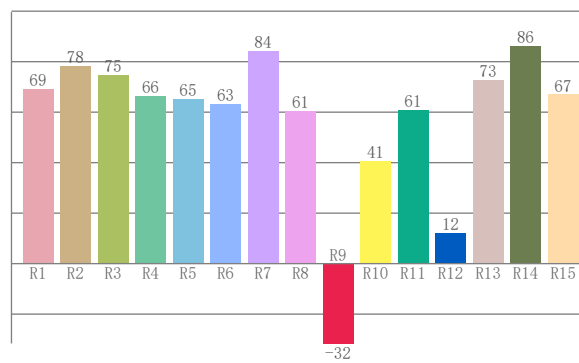
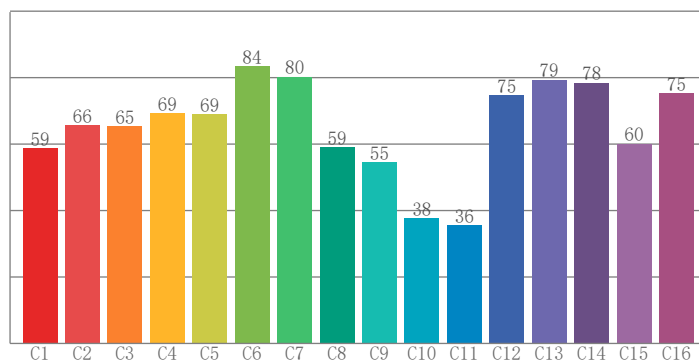
Distance (m)	5		10		15		20	
unit	Lux	Diameter	Lux	Diameter	Lux	Diameter	Lux	Diameter
White	8,600	1.85	2,150	3.71	950	5.56	540	7.41

COLOUR PARAMETERS



TM-30: 64.6

CRI: 70.2 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
69.2	78.1	74.7	66.3	65.1	63.1	84.4	60.6	-31.6	40.5	60.6	12.2	72.8	86.1	66.9

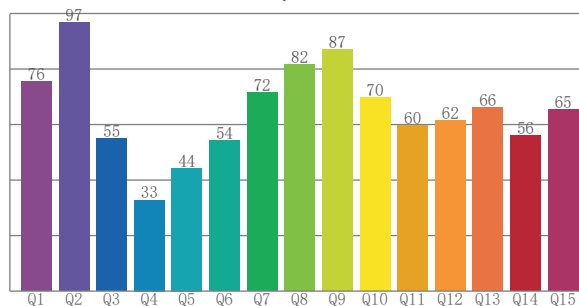
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
58.7	65.7	65.4	69.2	69.0	83.6	80.3	59.1	54.6	37.7	35.7	74.7	79.4	78.5	60.1	75.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
75.6	96.7	54.9	32.8	44.3	54.3	71.5	81.7	87.1	69.9	59.6	61.5	66.2	55.9	65.4

CQS: 61.7



Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
8355 K	70.2	-31.6	64.6	84.2	61.7	0.292	0.303	0.193	0.300	0.0009

TM-30

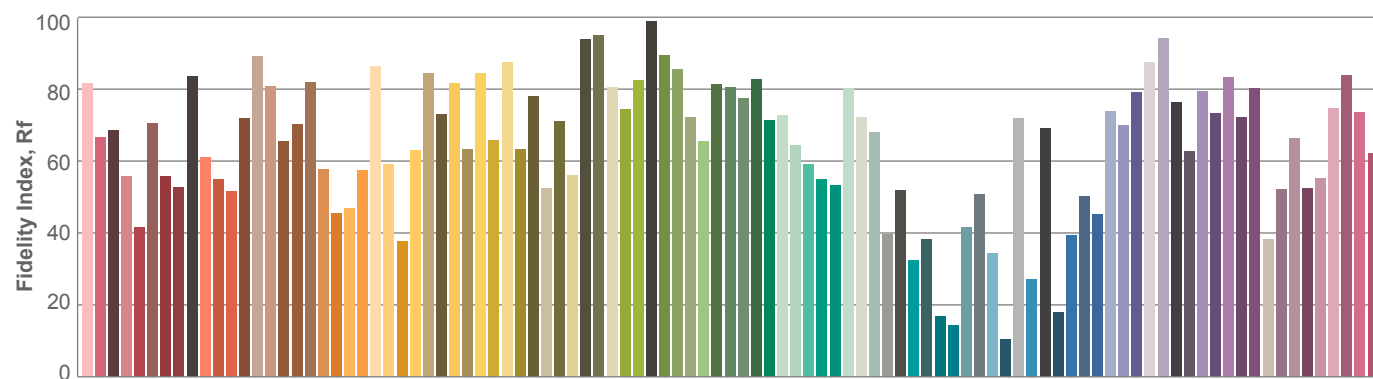
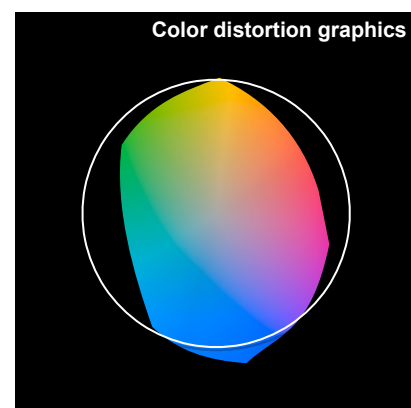
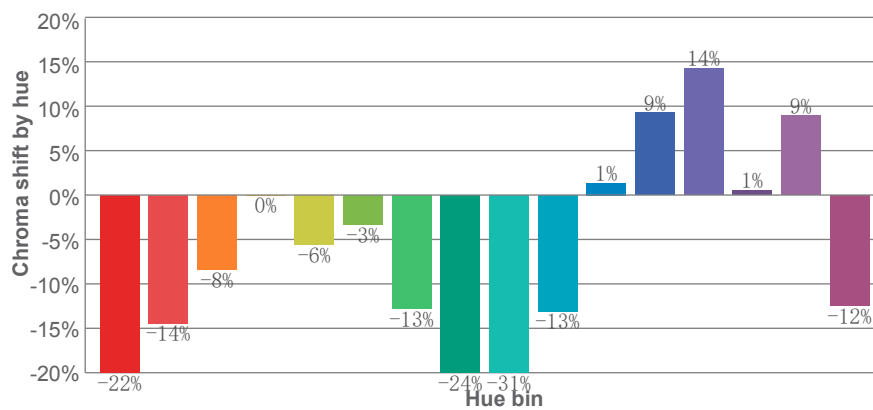
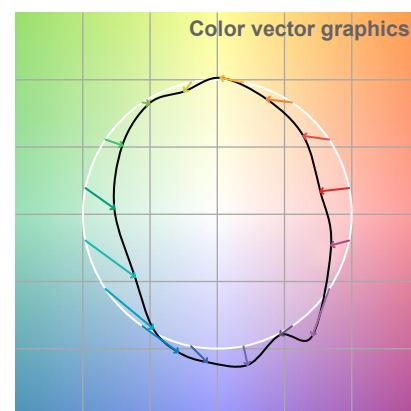
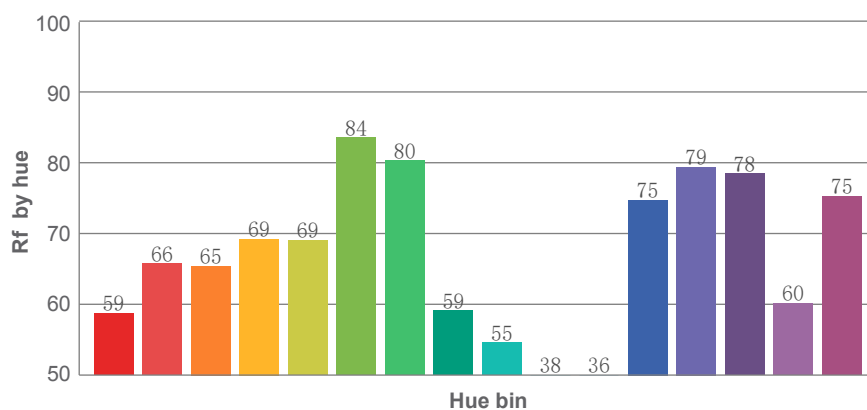
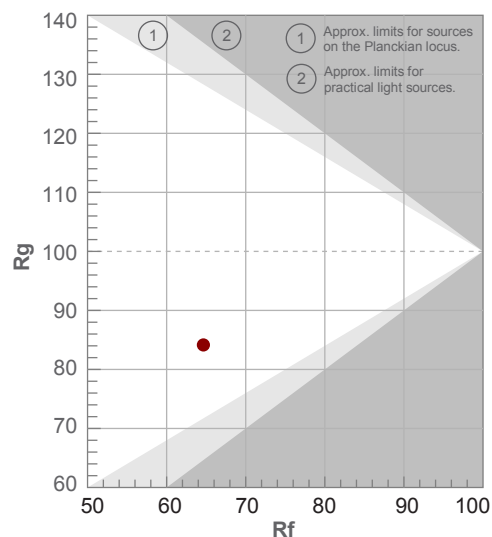
Rf 64.6

Fidelity index Rf

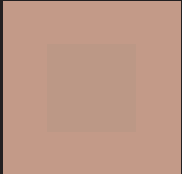
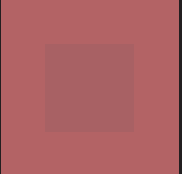
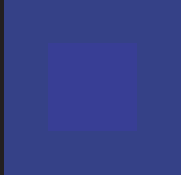
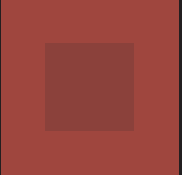
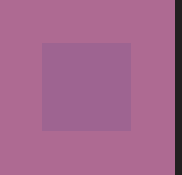
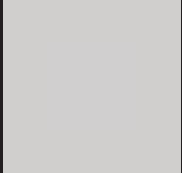
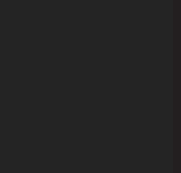
Rg 84.2

Gamut index Rg

Hue Bin	R_f	Shifts (%)	
		Chroma	Hue
1	59	-22%	2%
2	66	-14%	13%
3	65	-8%	17%
4	69	0%	17%
5	69	-6%	6%
6	84	-3%	-4%
7	80	-13%	-3%
8	59	-24%	11%
9	55	-31%	34%
10	38	-13%	44%
11	36	1%	33%
12	75	9%	14%
13	79	14%	0%
14	78	1%	-11%
15	60	9%	-36%
16	75	-12%	-6%



TLCI-37

					
Dark skin	Light skin	Blue sky	Foliage	Blue flower	Bluish green
					
Orange	Purplish blue	Moderate red	Purple	Yellow green	Orange yellow
					
Blue	Green	Red	Yellow	Magenta	Cyan
					
White 90.01%	Neutral 8, 59.1%	Neutral 6.5, 36.2%	Neutral 5, 19.77%	Neutral 3.5, 9%	Black 3.13%

 DISCLAIMER

Errors and omissions for all information given in this specification sheet are possible. All information is subject to change without prior notice.