

PHOTOMETRIC TEST REPORT

DECOR PRO ROUND FLUSH
FIXED - TEXTURED WHITE -
4002931

astro

DECOR PRO ROUND FLUSH FIXED -

astro

LIGHT EFFICIENCY:

108 Lumen/Watt

LIGHT QUALITY:

CRI: 95.8

COLOR TEMPERATURE:

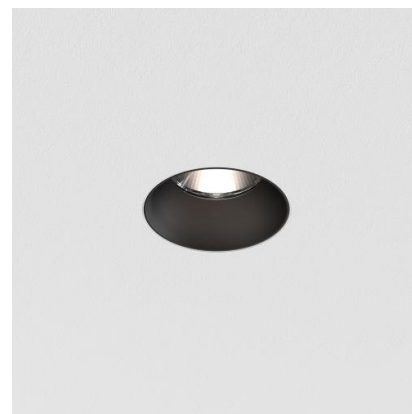
3027 K

OUTPUT: 1275 lm

PEAK: 7037 cd

POWER: 11.8 W

PF: 0.95



Tracking number: [n/a](#)

Product name:

Decor Pro Round Flush Fixed - Textured White - 4002931

Item number:

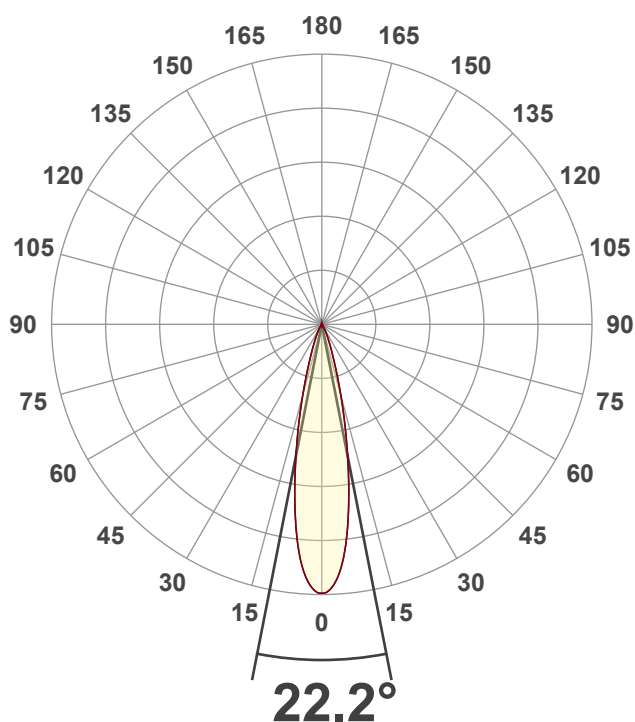
DRFF-TW-HE30G1-15G1-X-D1

Date and time:

31/01/2025 14:01:09

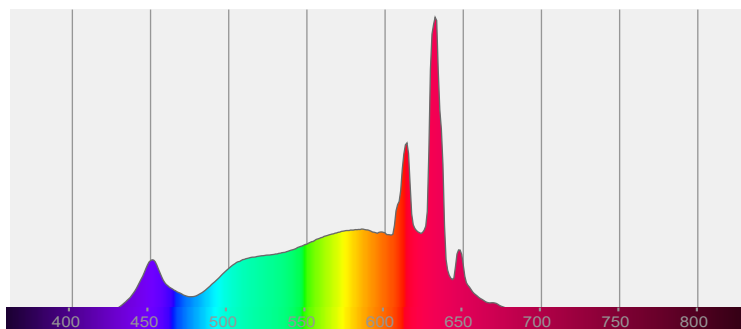
Description:

IP20 LED Downlight

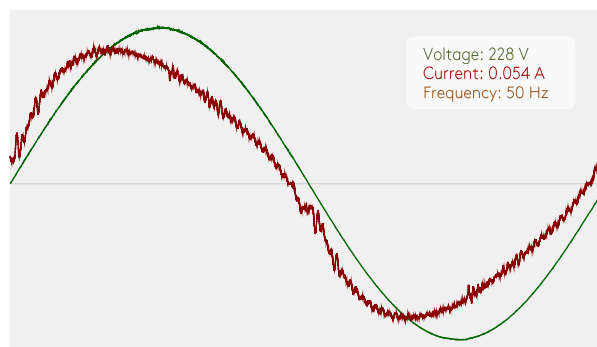


CIE 1931
x: 0.437
y: 0.407

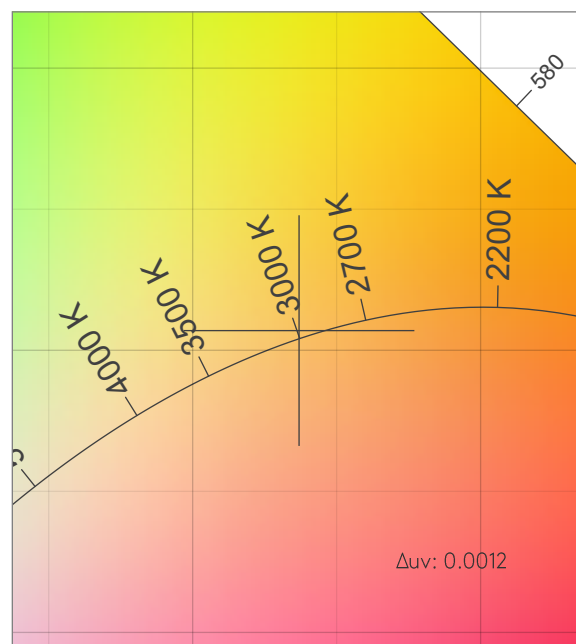
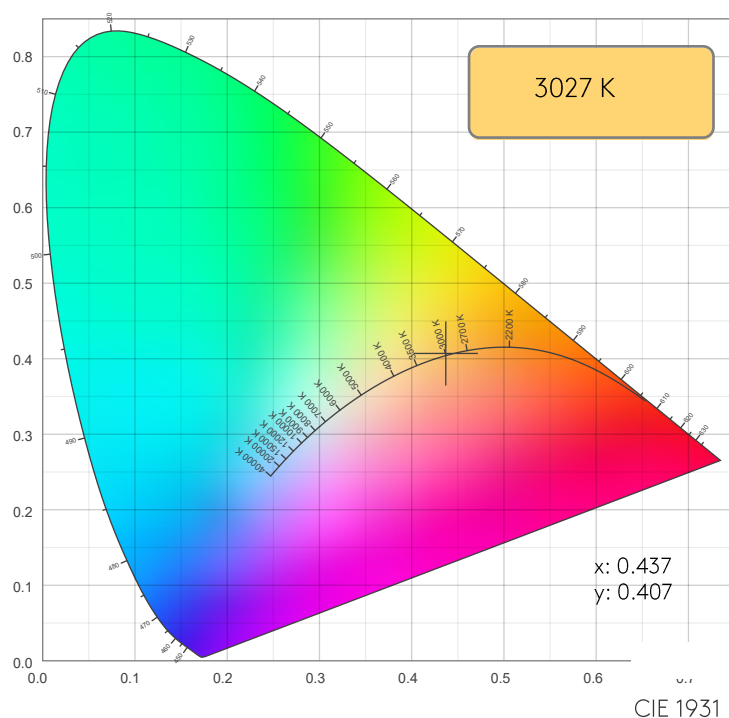
SPECTRA



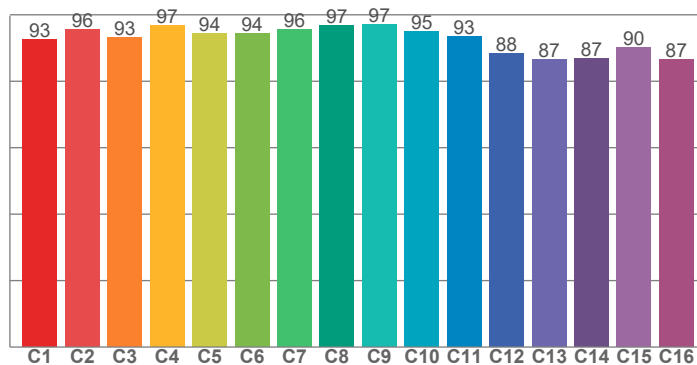
POWER



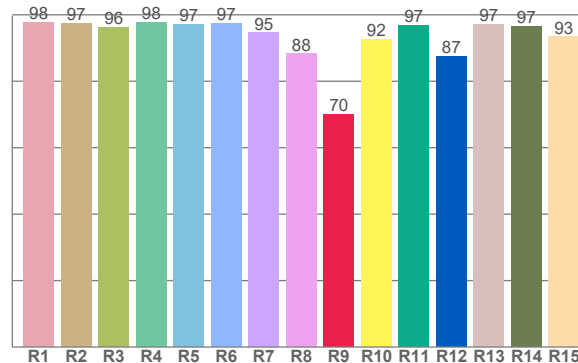
COLOR DETAILS



TM30: 93.2



CRI: 95.8 (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
97.6	97.4	96.3	97.8	97.2	97.4	94.6	88.3	70.1	92.5	96.8	87.4	97.1	96.5	93.4

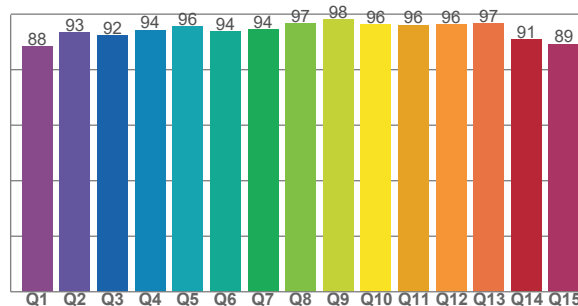
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92.6	95.6	93.2	96.7	94.4	94.4	95.7	96.7	97.1	95.0	93.4	88.4	86.6	86.9	90.2	86.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88.3	93.3	92.3	94.4	95.5	93.8	94.5	96.5	98.1	96.2	96.0	96.3	96.7	90.9	89.2

CQS: 93.3



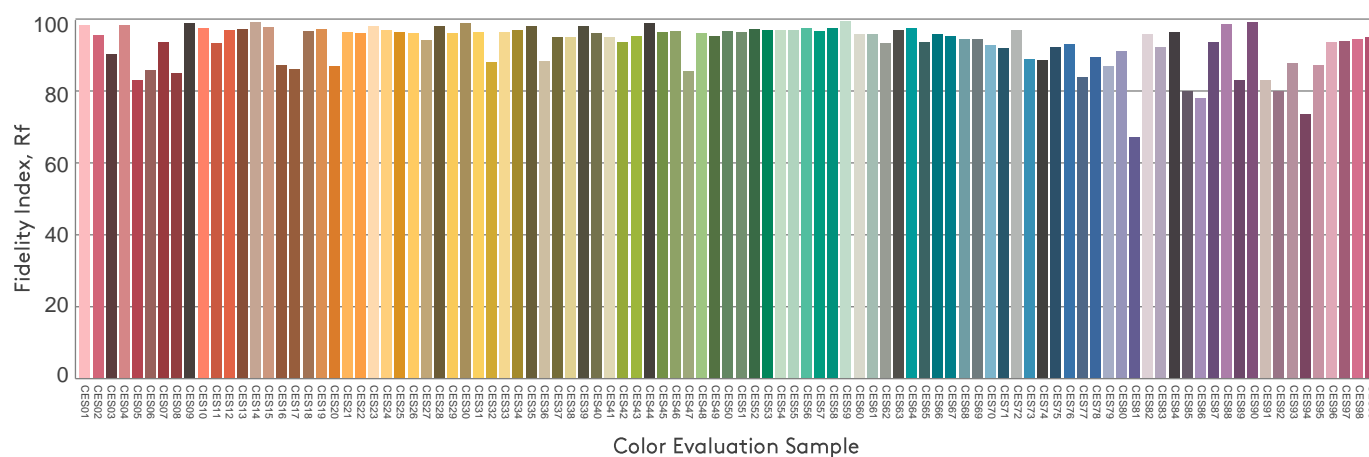
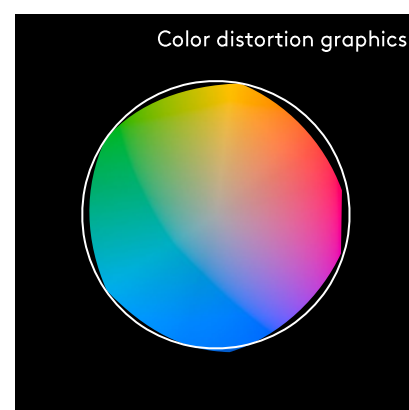
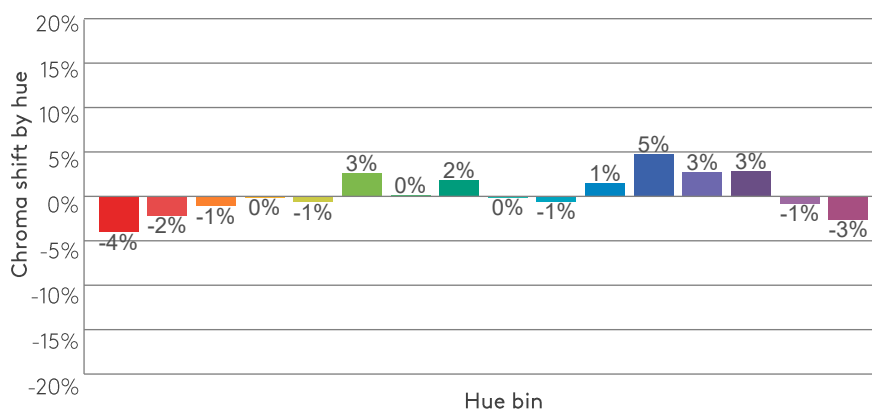
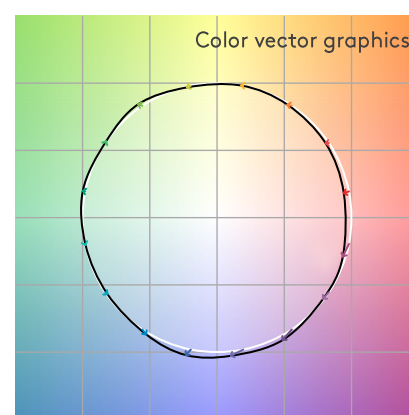
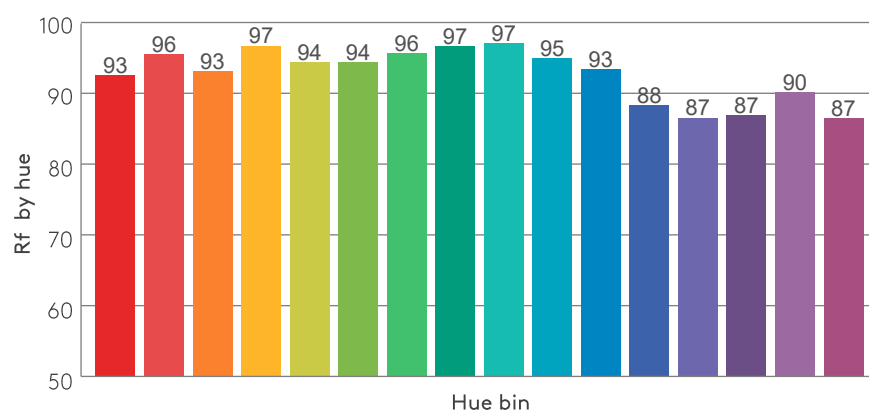
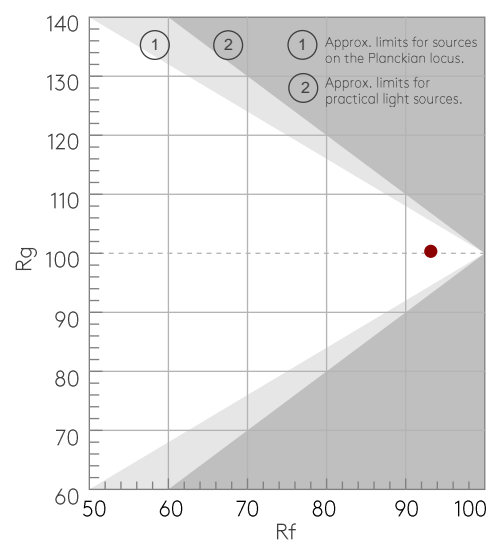
COLOR PARAMETERS

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
3027 K	95.8	70.1	93.2	100.3	93.3	0.437	0.407	0.249	0.348	0.0012

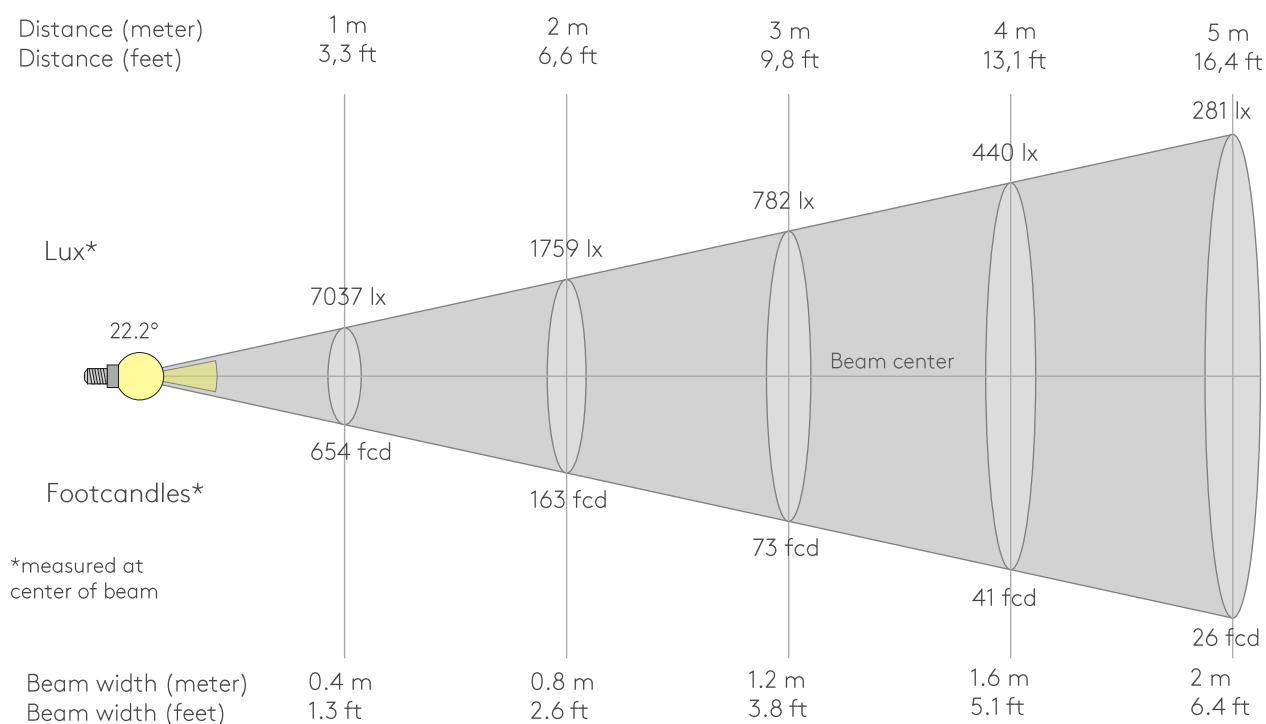
Rf 93.2
Fidelity index Rf

Rg 100.3
Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-4%	-1%
2	96	-2%	1%
3	93	-1%	3%
4	97	0%	1%
5	94	-1%	3%
6	94	3%	2%
7	96	0%	-1%
8	97	2%	0%
9	97	0%	1%
10	95	-1%	2%
11	93	1%	4%
12	88	5%	-3%
13	87	3%	-10%
14	87	3%	-10%
15	90	-1%	-6%
16	87	-3%	-10%



BEAM DETAILS



Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
7037lx	1759lx	782lx	440lx	281lx	195lx	144lx	110lx	87lx	70lx	58lx	49lx	42lx	36lx	31lx	27lx	24lx	22lx	19lx	18lx
653.7fcd	163.4fcd	72.6fcd	40.9fcd	26.1fcd	18.2fcd	13.3fcd	10.2fcd	8.1fcd	6.5fcd	5.4fcd	4.5fcd	3.9fcd	3.3fcd	2.9fcd	2.6fcd	2.3fcd	2fcd	1.8fcd	1.6fcd

Intensities in 0° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
7037	6918	6534	5881	5004	4038	3109	2294	1615	1111	773	548	391	281	204	145	99	67	42	25
100%	98%	93%	84%	71%	57%	44%	33%	23%	16%	11%	8%	6%	4%	3%	2%	1%	1%	1%	0%

Intensities in 90° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
7037	6918	6534	5881	5004	4038	3109	2294	1615	1111	773	548	391	281	204	145	99	67	42	25
100%	98%	93%	84%	71%	57%	44%	33%	23%	16%	11%	8%	6%	4%	3%	2%	1%	1%	1%	0%

Intensities in 180° c-plane

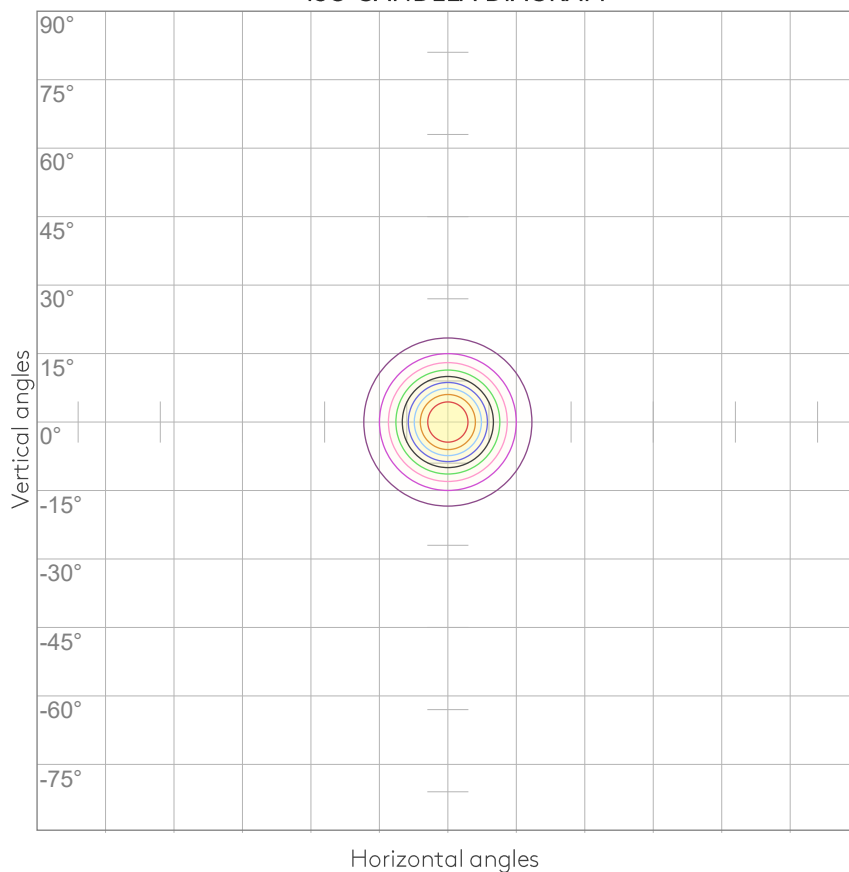
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
7037	6918	6534	5881	5004	4038	3109	2294	1615	1111	773	548	391	281	204	145	99	67	42	25
100%	98%	93%	84%	71%	57%	44%	33%	23%	16%	11%	8%	6%	4%	3%	2%	1%	1%	1%	0%

Intensities in 270° c-plane

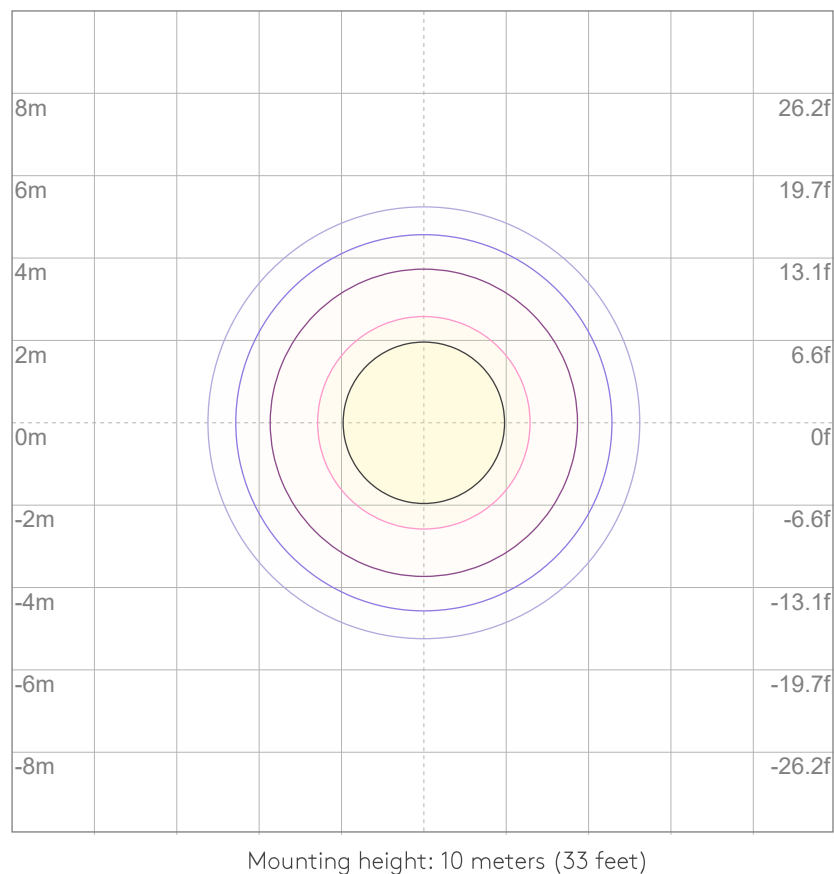
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
7037	6918	6534	5881	5004	4038	3109	2294	1615	1111	773	548	391	281	204	145	99	67	42	25
100%	98%	93%	84%	71%	57%	44%	33%	23%	16%	11%	8%	6%	4%	3%	2%	1%	1%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
22.2°	41.1°	57.8°	99.7%	99.6%

ISO CANDELA DIAGRAM



ISO LUX DIAGRAM



UGR

GLARE EVALUATION ACCORDING TO UGR

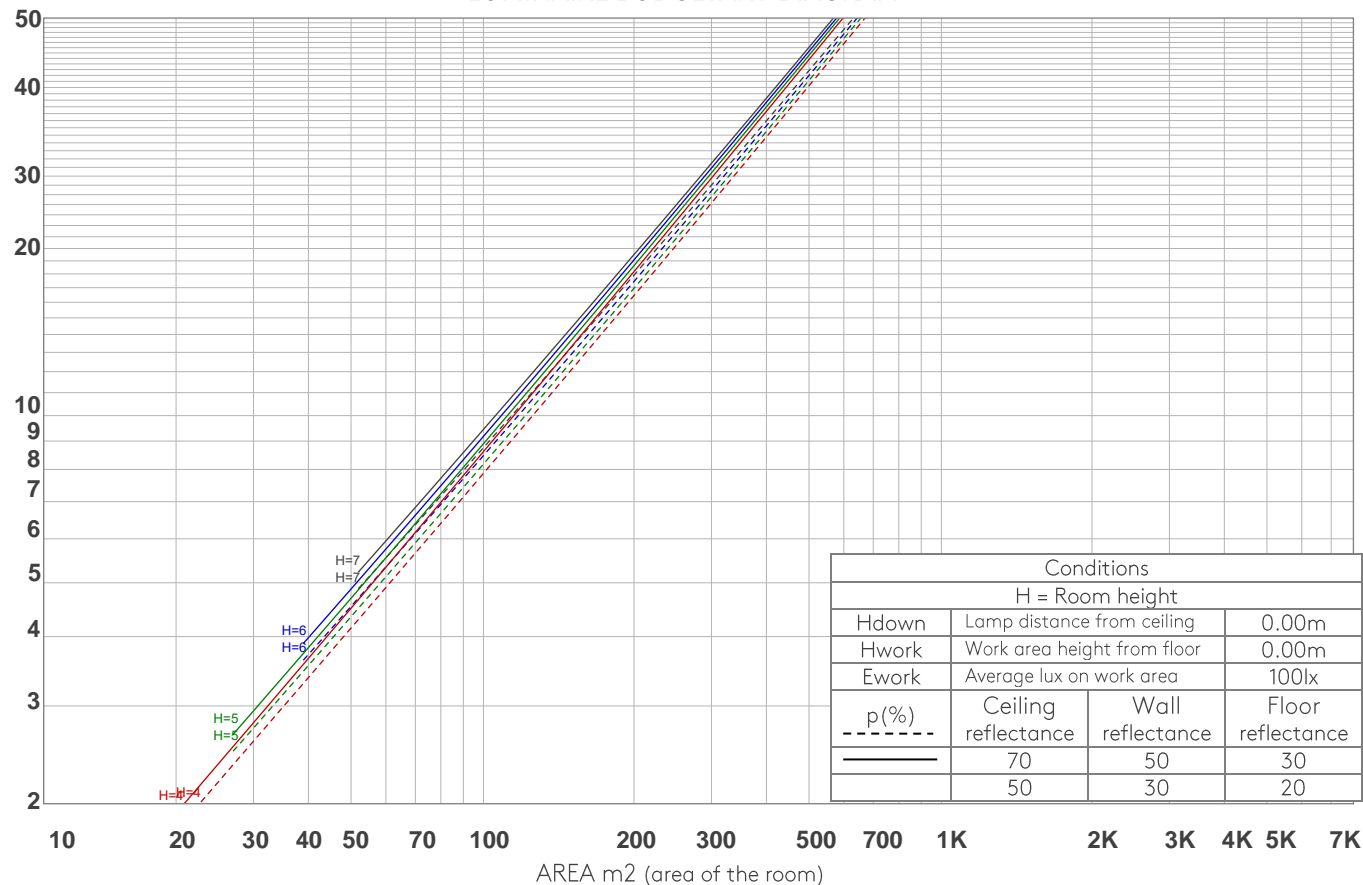
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	10.7	11.0	10.7	11.2	11.4	10.7	11.0	10.7	11.2	11.4
	3H	10.4	10.9	10.7	11.1	11.3	10.4	10.9	10.7	11.1	11.3
	4H	10.3	10.8	10.7	11.0	11.3	10.3	10.8	10.7	11.0	11.3
	6H	10.3	10.7	10.6	11.0	11.3	10.3	10.7	10.6	11.0	11.3
	8H	10.2	10.6	10.5	11.0	11.3	10.2	10.6	10.5	11.0	11.3
	12H	10.2	10.6	10.5	10.9	11.3	10.2	10.6	10.5	10.9	11.3
4H	2H	10.3	10.8	10.7	11.0	11.3	10.3	10.8	10.7	11.0	11.3
	3H	10.2	10.6	10.5	10.9	11.3	10.2	10.6	10.5	10.9	11.3
	4H	10.0	10.4	10.4	10.8	11.3	10.0	10.4	10.4	10.8	11.3
	6H	9.9	10.4	10.4	10.7	11.1	9.9	10.4	10.4	10.7	11.1
	8H	9.9	10.3	10.4	10.6	11.0	9.9	10.3	10.4	10.6	11.0
	12H	9.8	10.1	10.3	10.5	11.0	9.8	10.1	10.3	10.5	11.0
8H	4H	9.9	10.3	10.4	10.6	11.0	9.9	10.3	10.4	10.6	11.0
	6H	9.8	10.1	10.3	10.5	11.1	9.8	10.1	10.3	10.5	11.1
	8H	9.8	10.0	10.3	10.5	11.2	9.8	10.0	10.3	10.5	11.2
	12H	9.8	9.9	10.4	10.4	11.0	9.8	9.9	10.4	10.4	11.0
12H	4H	9.8	10.1	10.3	10.5	11.0	9.8	10.1	10.3	10.5	11.0
	6H	9.8	10.0	10.3	10.5	11.1	9.8	10.0	10.3	10.5	11.1
	8H	9.7	9.9	10.3	10.4	11.0	9.7	9.9	10.3	10.4	11.0
Variation of the observer position for the luminaire distance S											
S = 1.0H		6.3 / -12.1					6.3 / -12.1				
S = 1.5H		9.0 / -13.5					9.0 / -13.5				
S = 2.0H		11.0 / -14.2					11.0 / -14.2				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 1275 lm total luminous flux											

COEFFICIENTS OF UTILIZATION

Ceiling reflectance	80				70				50			30			10			0
Wall reflectance	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Floor reflectance	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
RCR	(RCR: Room Cavity Ratio) Room Values are expressed as percentage of Lumens delivered to the task surface																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97
2	112	108	105	103	110	107	104	102	103	101	100	101	99	97	98	97	95	94
3	108	104	101	98	107	103	100	97	100	98	95	98	96	94	96	94	93	91
4	105	100	96	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	92	89	87	86
6	100	94	90	87	99	93	89	87	92	89	86	91	88	86	89	87	85	84
7	97	91	87	84	96	91	87	84	89	86	84	88	86	83	87	85	83	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80
9	93	86	82	80	92	86	82	80	85	82	80	84	81	79	84	81	79	78
10	90	84	80	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76

LAMPS (number of lamps)

LUMINAIRE BUDGETARY DIAGRAM



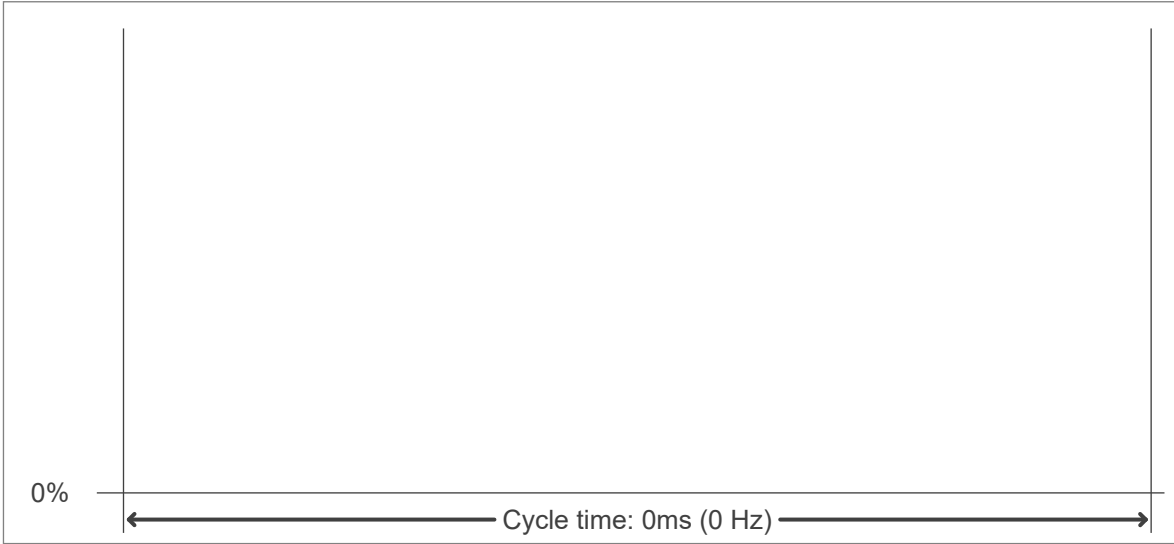
ZONAL LUMEN SUMMARY

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
523 lm	542 lm	164 lm	37.5 lm	4.55 lm	1.13 lm	0.290 lm	0.159 lm	0.129 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0.158 lm	0.152 lm	0.149 lm	0.191 lm	0.248 lm	0.460 lm	0.678 lm	0.541 lm	0.107 lm

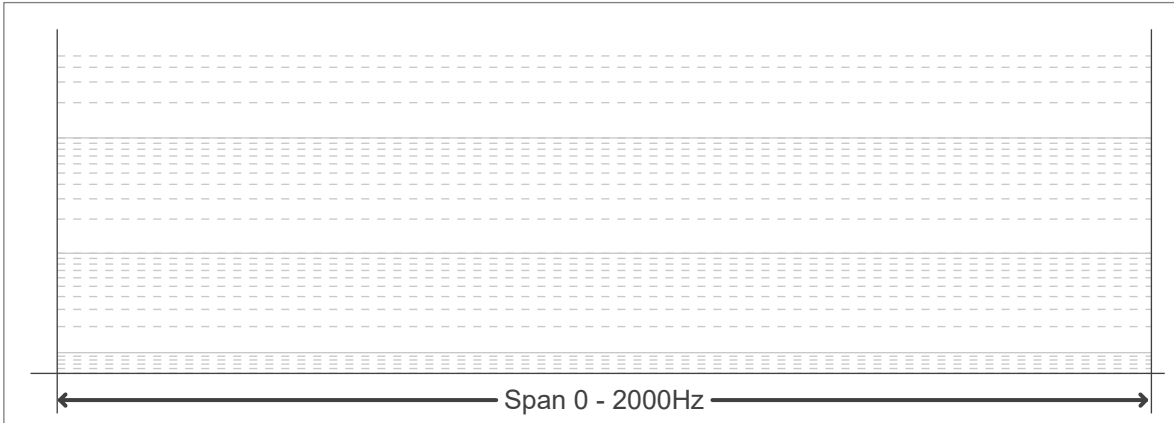
FLICKER CURVE (COMPLETE SAMPLED)



FLICKER FRAME (FRAME OF ONE FLICKER)



FLICKER FFT (FREQUENCY SCOPE OF FLICKER)



FLICKER RESULTS:

Flicker frequency:	n/a Hz
Flicker index:	n/a
Flicker percentage:	n/a %
SVM: (Visual flicker)	n/a

FLICKER CONDITIONS:

Sample rate:	n/a samples/second
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