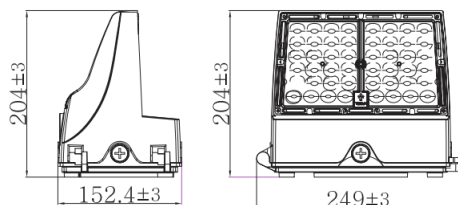


Luminaria para exterior



Dimensiones (mm)

Largo: 249; **Ancho:** 153
Alto: 205.



Código

TITAN-40W-5K

Descripción

Luminaria tipo aplique o "Wall-Pack". Diseñada con módulos de LED, para ubicar en pared. Compuesta por lentes ópticos el cual maximiza la distribución de la luz y un disipador en aluminio inyectado.



Materiales y acabado

Cuerpo en aluminio inyectado.
Lentes óptico en policarbonato transparente.

Color

Café.

Características técnicas

LED	 118°	 50,000h	IP 65	IK 08
PF 0,99	THD <10%	°C -40-50	V 120-277	

Fuente de luz

Módulos de LED.

Potencia de Salida	CRI	K	Lm / W	Lm de Salida
40,7W	>80	5000	115	4989

Características de fuente de luz

- Color temperatura disponible 5000K (luz día).
- Protección contra sobretensión incorporado de 6Kv.
- Dimerizable 0-10V.
- Incluye fotocelda.

Nota: Debido a continua investigación, nos reservamos el derecho de cambiar especificaciones sin previa notificación.

Light efficiency:

115 Lumen/Watt

Light quality:

CRI: 82,5

Color temperature:

5019 K

Output: 4989 lm

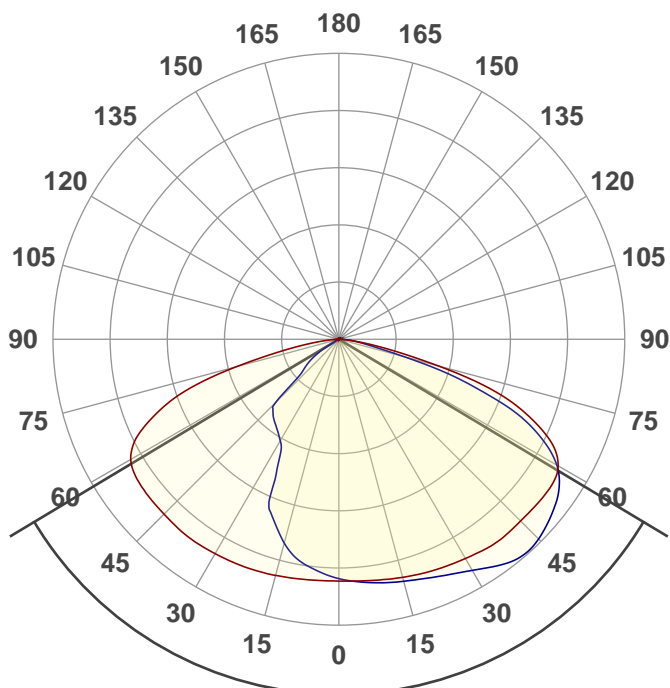
Peak: 1658 cd

Power: 43,2 W

PF: 0,99



Product name:
E0831-TITAN-ES-40W-5K



Beam angle
118,1°

THD Values:

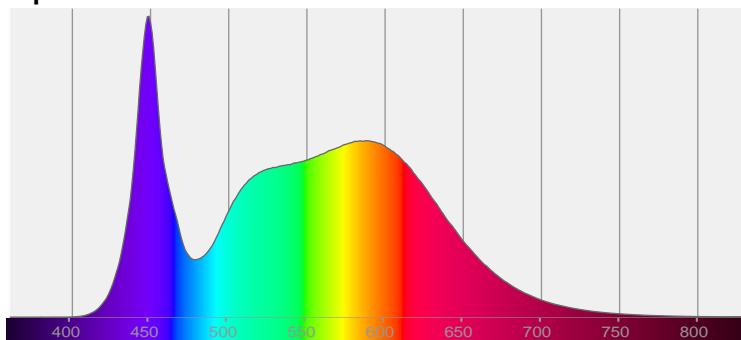
Voltage: 2,25%

Current: 5,7%

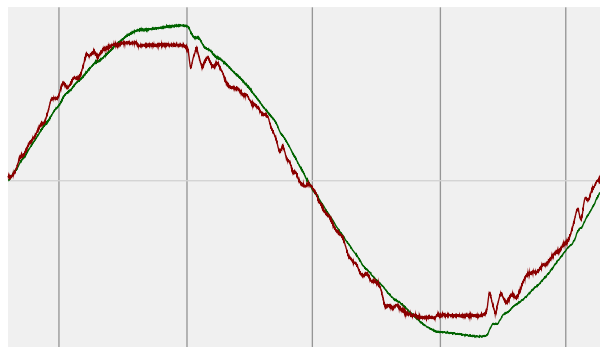


CIE 1931
x: 0,345
y: 0,351

Spectra



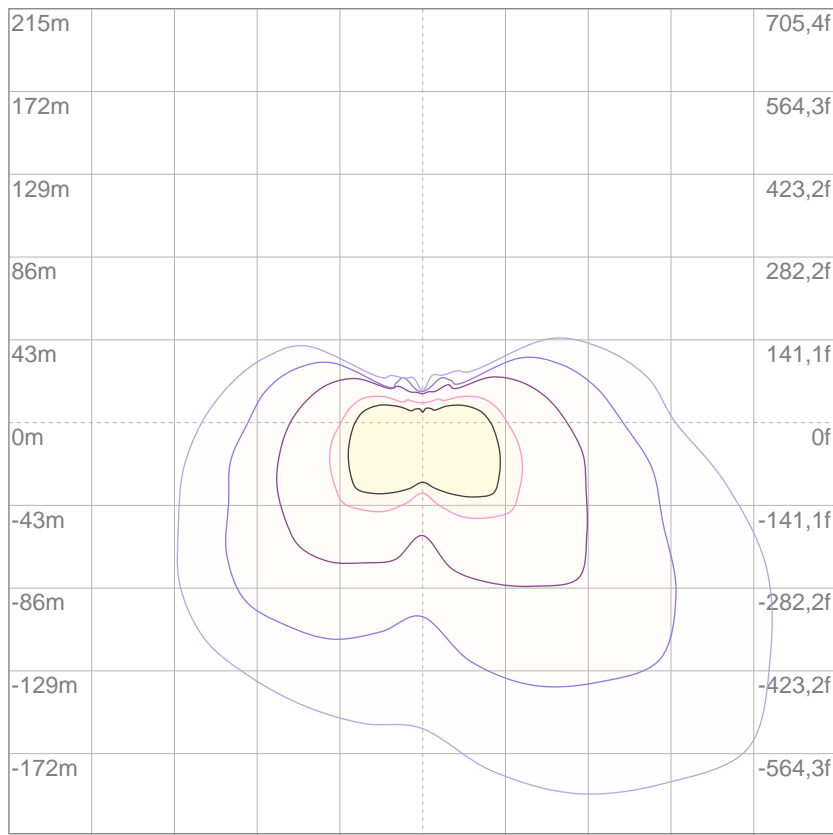
Power



Voltage: 114 V
Current: 0,382 A
Frequency: 60,1 Hz

ISO Diagrams

ISO lux diagram



3%	0,383 lx
5%	0,638 lx
10%	1,28 lx
30%	3,83 lx
50%	6,38 lx

Conditions:

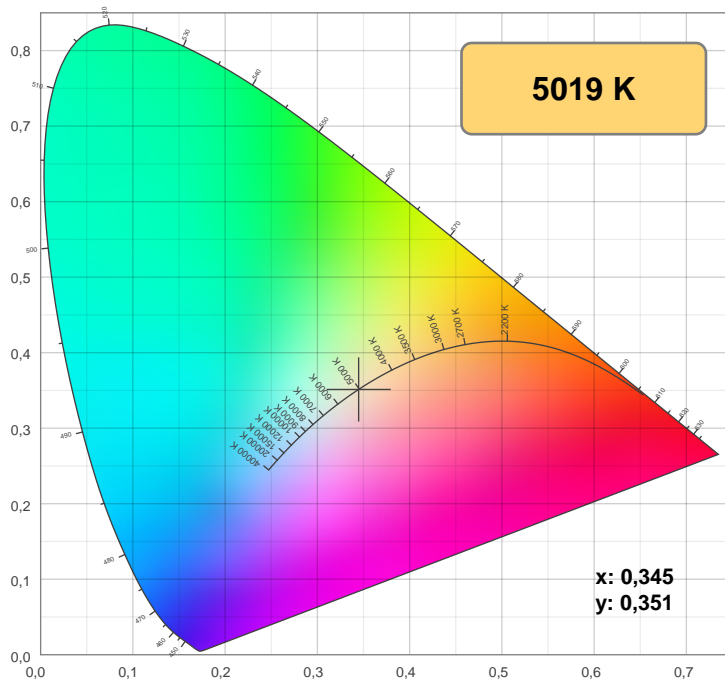
Number of c-planes: 8

Lux at center: 12,8 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

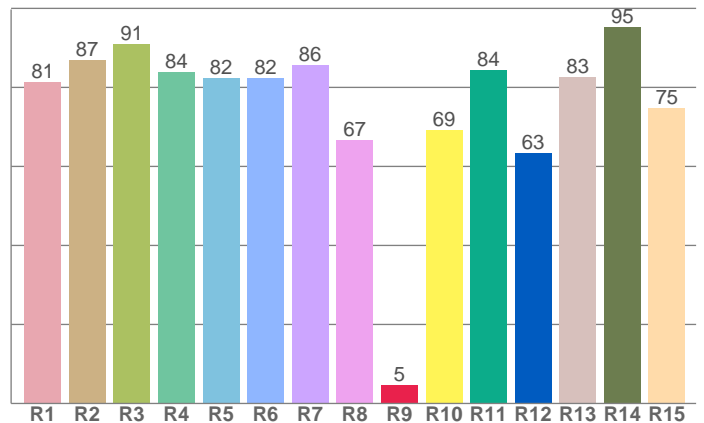
Mounting height: 10 meters (33 f)

Color details



CIE 1931

CRI: 82,5 (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
81,4	86,9	91,1	83,8	82,4	82,3	85,7	66,7	4,6	69,3	84,3	63,5	82,7	95,2	74,8

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
5019 K	82,5	4,6	82,6	98,1	80,1	0,345	0,351	0,211	0,323	-0,0026

TM-30 details

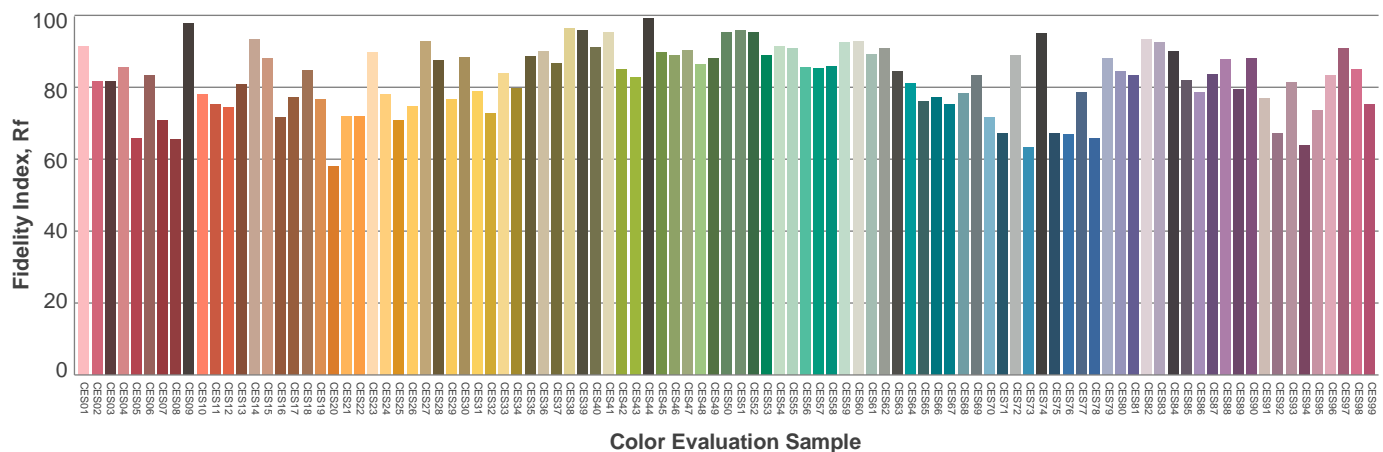
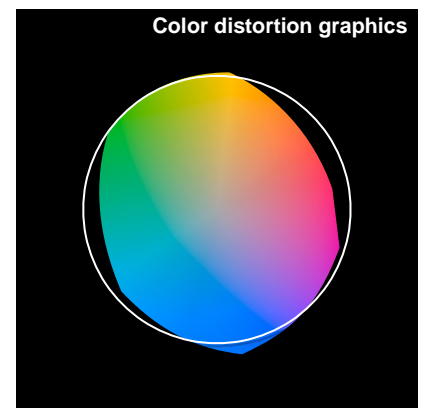
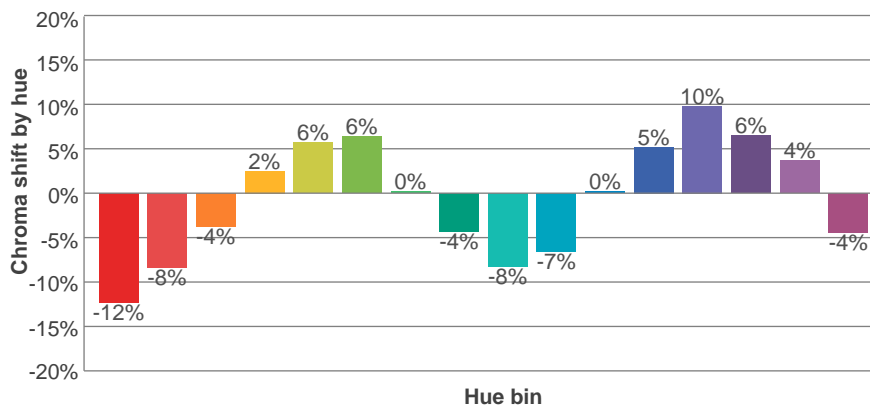
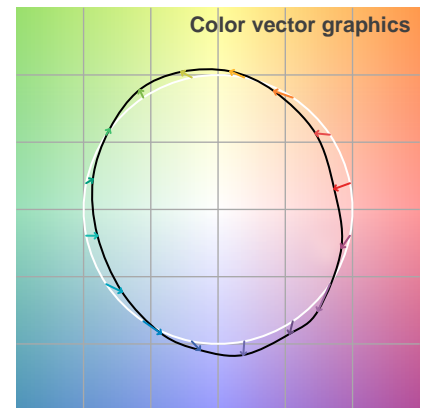
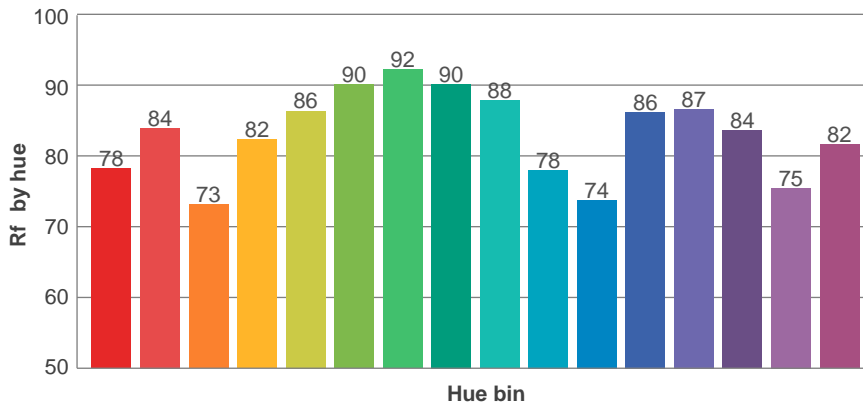
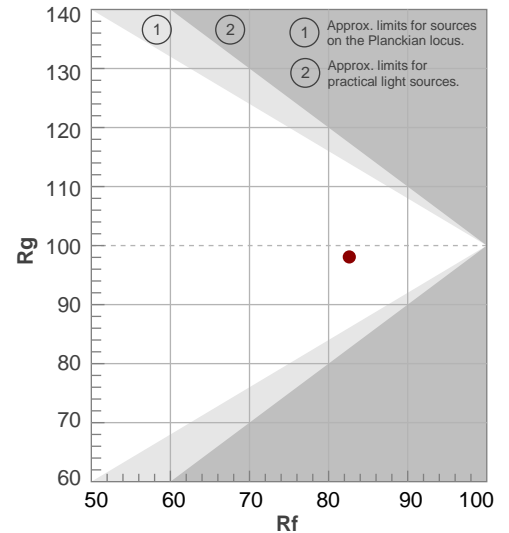
Rf 82,6

Fidelity index Rf

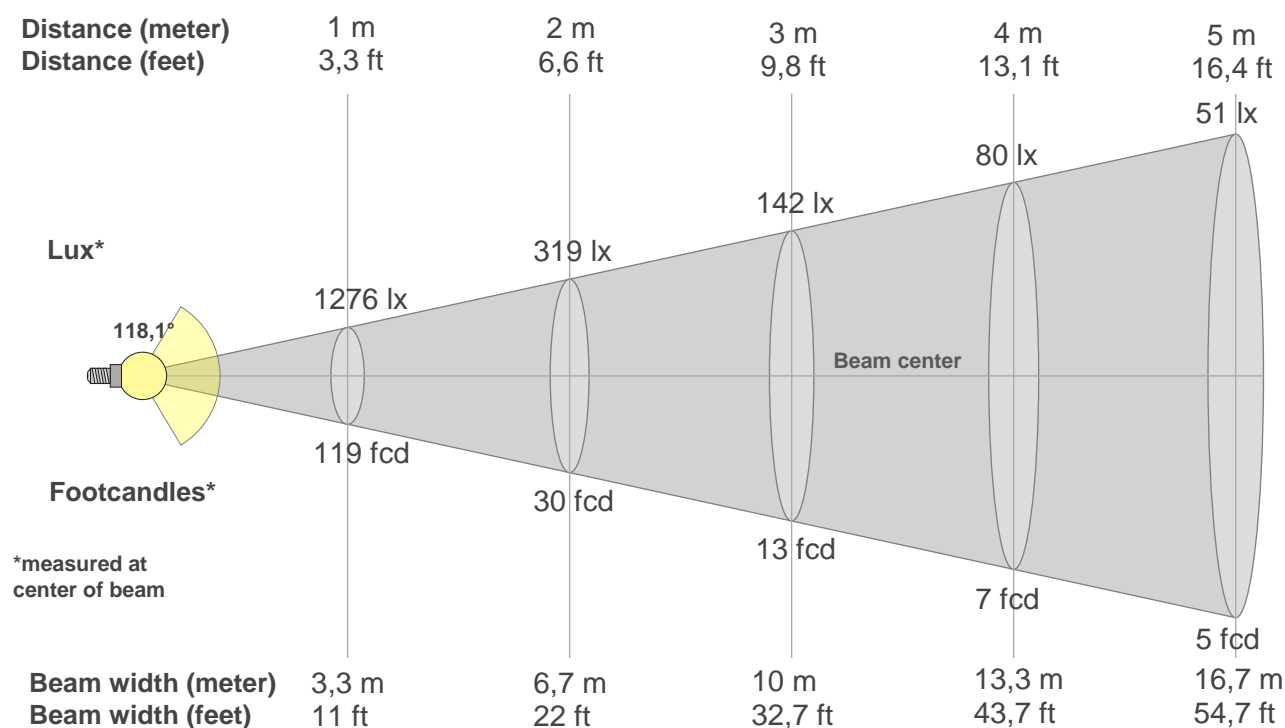
Rg 98,1

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	78	-12%	-2%
2	84	-8%	7%
3	73	-4%	14%
4	82	2%	11%
5	86	6%	7%
6	90	6%	-1%
7	92	0%	-5%
8	90	-4%	-4%
9	88	-8%	2%
10	78	-7%	11%
11	74	0%	16%
12	86	5%	7%
13	87	10%	-3%
14	84	6%	-7%
15	75	4%	-21%
16	82	-4%	-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
1276lx	319lx	142lx	80lx	51lx	35lx	26lx	20lx	16lx	13lx	11lx	9lx	8lx	7lx	6lx	5lx	4lx	4lx	4lx	3lx
118,5fcd	29,6fcd	13,2fcd	7,4fcd	4,7fcd	3,3fcd	2,4fcd	1,9fcd	1,5fcd	1,2fcd	1fcd	0,8fcd	0,7fcd	0,6fcd	0,5fcd	0,5fcd	0,4fcd	0,4fcd	0,3fcd	0,3fcd

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
1276	1284	1293	1305	1317	1328	1340	1355	1362	1361	1364	1367	1340	1217	974	546	199	39	1	1
100%	101%	101%	102%	103%	104%	105%	106%	107%	107%	107%	107%	105%	95%	76%	43%	16%	3%	0%	0%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
1276	1290	1309	1326	1347	1375	1413	1464	1501	1495	1463	1419	1332	1147	809	363	135	56	6	4
100%	101%	103%	104%	106%	108%	111%	115%	118%	117%	115%	111%	104%	90%	63%	28%	11%	4%	0%	0%

Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
1276	1281	1287	1294	1301	1306	1310	1315	1314	1309	1307	1300	1272	1159	940	562	224	54	1	1
100%	100%	101%	101%	102%	102%	103%	103%	103%	103%	102%	102%	100%	91%	74%	44%	18%	4%	0%	0%

Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
1276	1233	1192	1117	1014	787	620	574	539	467	236	158	13	2	0	0	0	0	1	1
100%	97%	93%	88%	79%	62%	49%	45%	42%	37%	19%	12%	1%	0%	0%	0%	0%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
118,1°	149,9°	159,7°	71,2%	44,2%

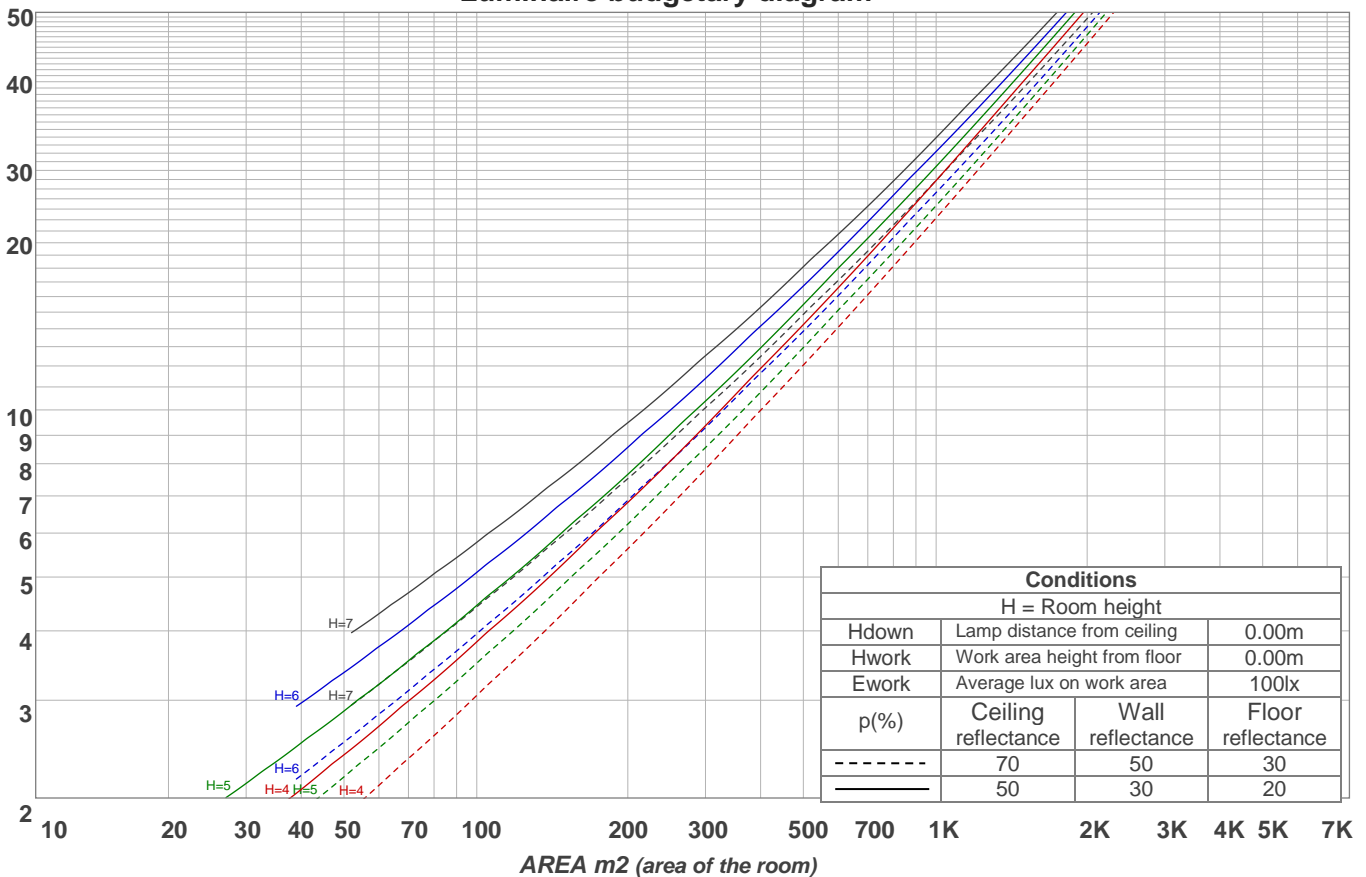
Light planning

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	108	102	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	69	75	71	68	66
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	65	60	56	53
4	79	66	57	49	77	65	56	49	62	54	48	60	53	47	57	52	47	44
5	72	58	49	42	70	57	48	41	55	47	41	53	46	40	51	45	40	37
6	66	52	42	36	64	51	42	35	49	41	35	47	40	35	46	39	34	32
7	61	47	38	31	59	46	37	31	44	36	31	43	36	30	41	35	30	28
8	57	42	33	27	55	42	33	27	40	33	27	39	32	27	38	31	27	25
9	53	39	30	24	51	38	30	24	37	29	24	36	29	24	35	28	24	22
10	50	36	27	22	48	35	27	22	34	27	22	33	26	22	32	26	21	20

LAMPS (number of lamps)

Luminaire budgetary diagram



Zonal Lumen Summary

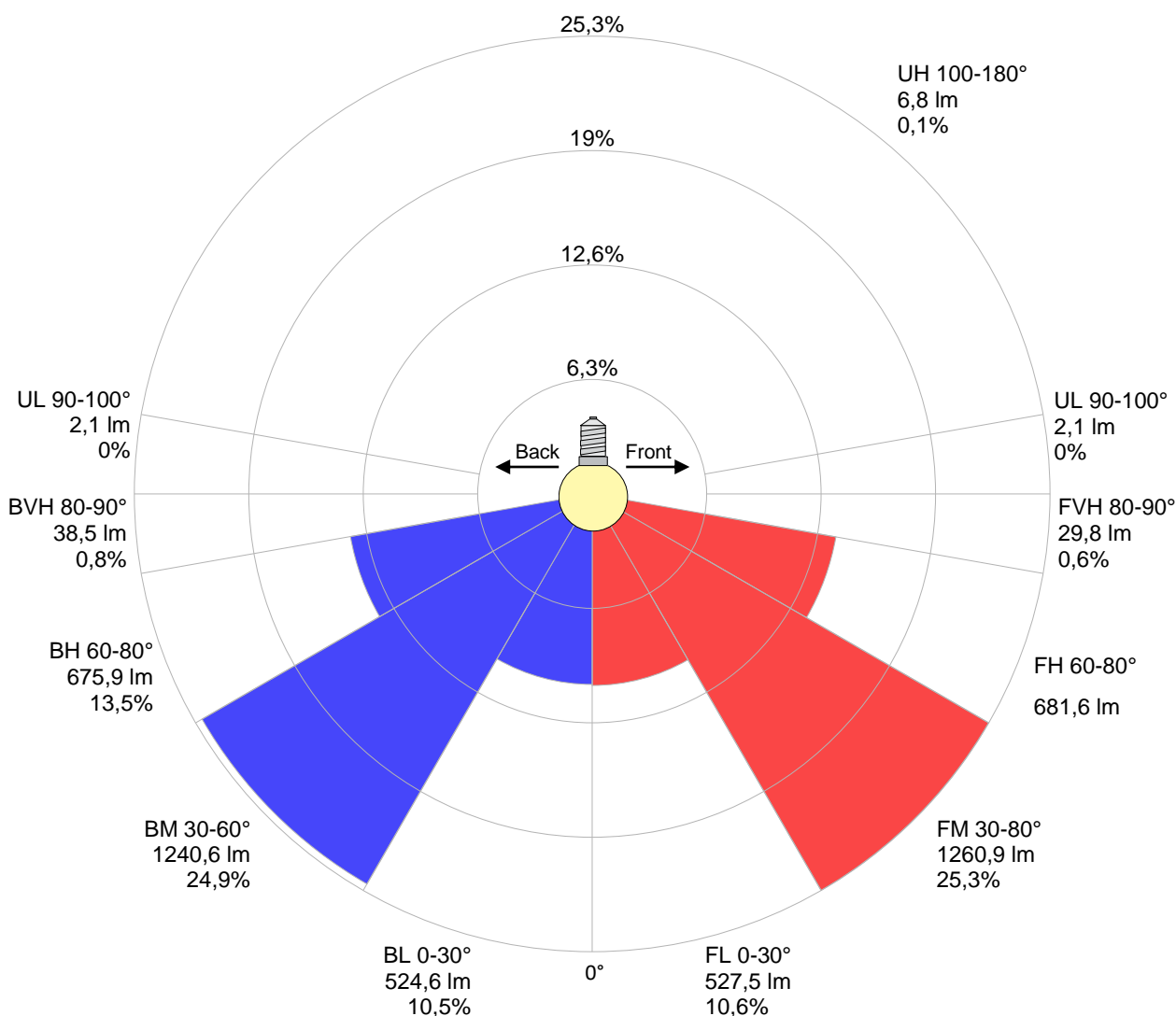
0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
122 lm	359 lm	572 lm	738 lm	846 lm	916 lm	868 lm	491 lm	67,6 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
2,05 lm	1,30 lm	1,16 lm	1,14 lm	1,05 lm	0,897 lm	0,690 lm	0,440 lm	0,155 lm

Road report

LCS table

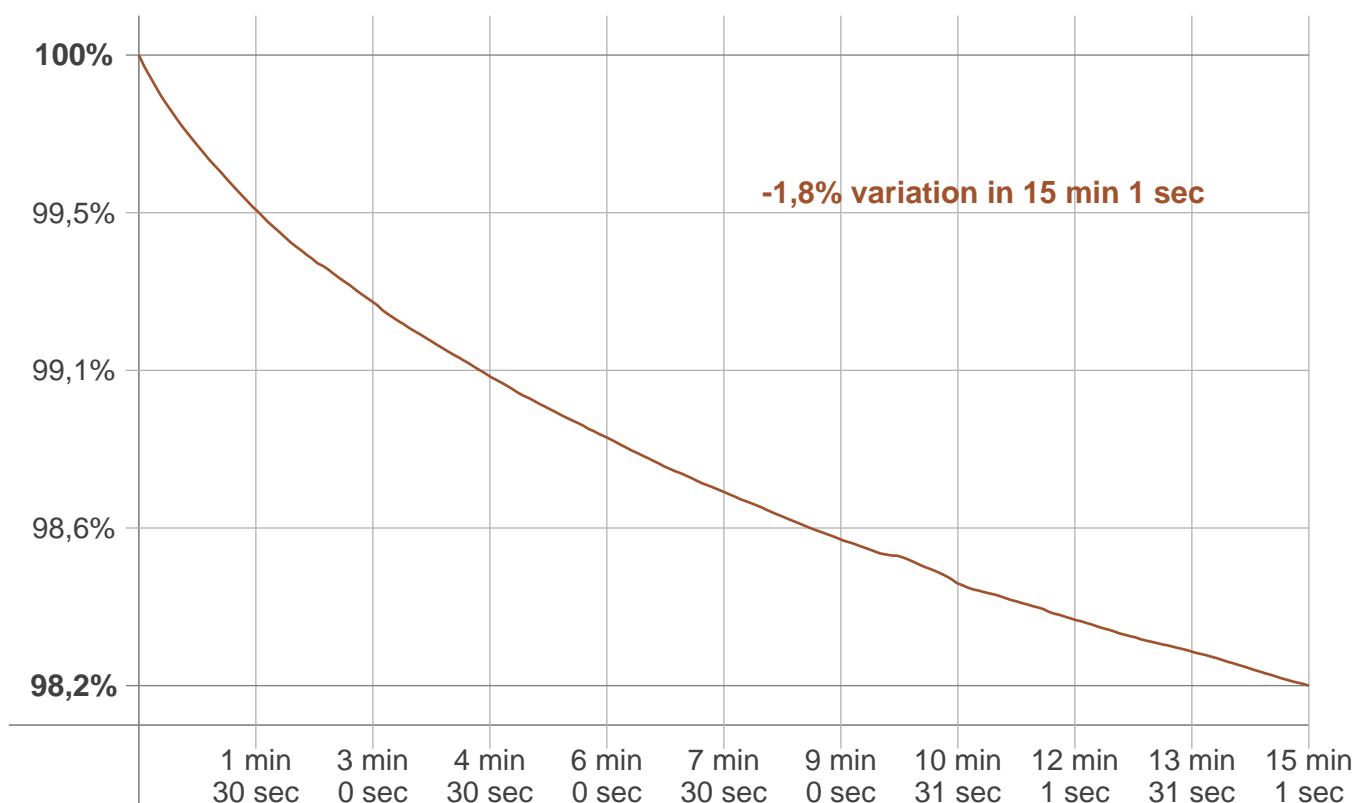
BUG rating:	B2 U1 G2	
Forward light	Lumens	Lumens %
Low(0-30):	527,5	10,6%
Medium(30-60):	1260,9	25,3%
High(60-80):	681,6	13,7%
Very high(80-90):	29,8	0,6%
Back light		
Low(0-30):	524,6	10,5%
Medium(30-60):	1240,6	24,9%
High(60-80):	675,9	13,5%
Very high(80-90):	38,5	0,8%
Uplight		
Low(90-100):	2,1	0%
High(100-180):	6,8	0,1%

LCS graph



Stabilization

Warmup curve



Warmup result

Warmup time:	15 min 1 sec
Warmup variation	-1,8%

Warmup conditions

Stable period:	15 min
Stable change max:	2,0%
Minimum time:	15 min

Color temperature change

CCT start	CCT change	CCT end
4995 K	+24 K	5019 K

Output change

Output start	Output change	Output end
5078 lm	-89 lm	4989 lm