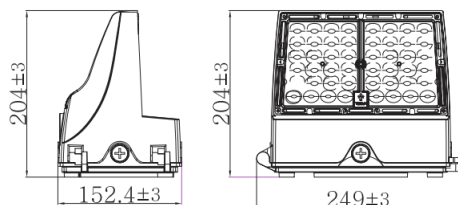


Luminaria para exterior



Dimensiones (mm)

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



Código

TITAN-40W-4K

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	 121°	 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	4000	131	5331

Características de fuente de luz

- Color temperatura disponible 4000K (neutro).
- 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:

131 Lumen/Watt

Light quality:

CRI: 84,1

Color temperature:

3592 K

Output: 5331 lm

Peak: 1779 cd

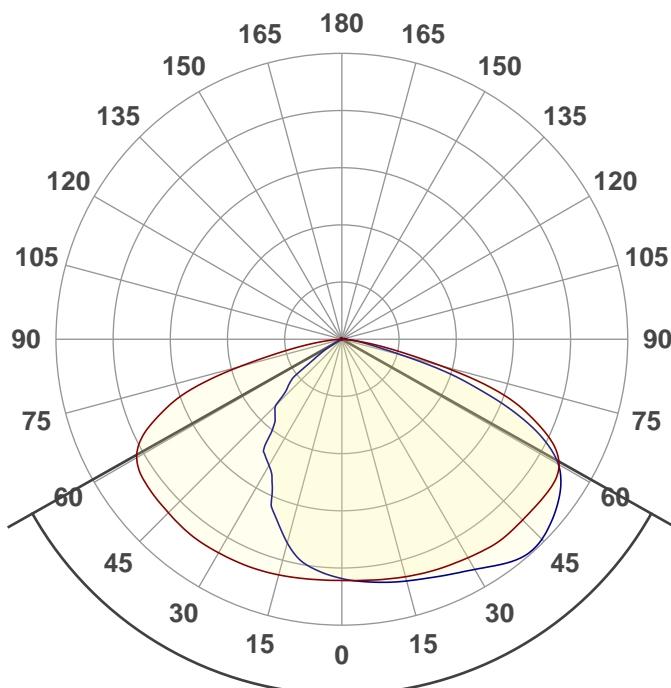
Power: 40,7 W

PF: 0,99



Product name:

E0830-TITAN-ES-40W-4K



Beam angle

121,2°

THD Values:

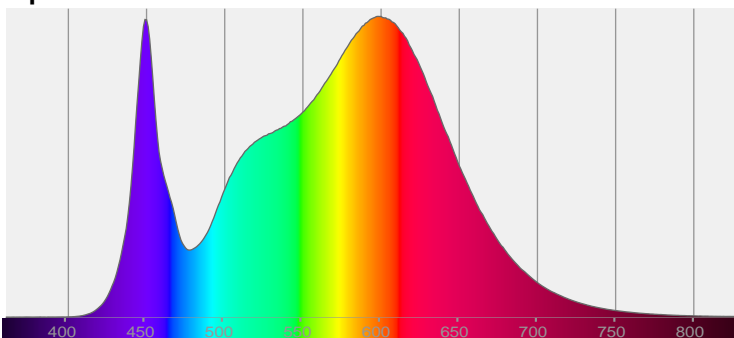
Voltage: 2,39%

Current: 6,01%

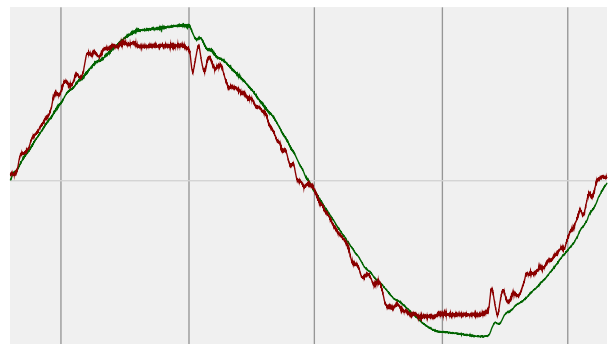


CIE 1931
x: 0,398
y: 0,381

Spectra



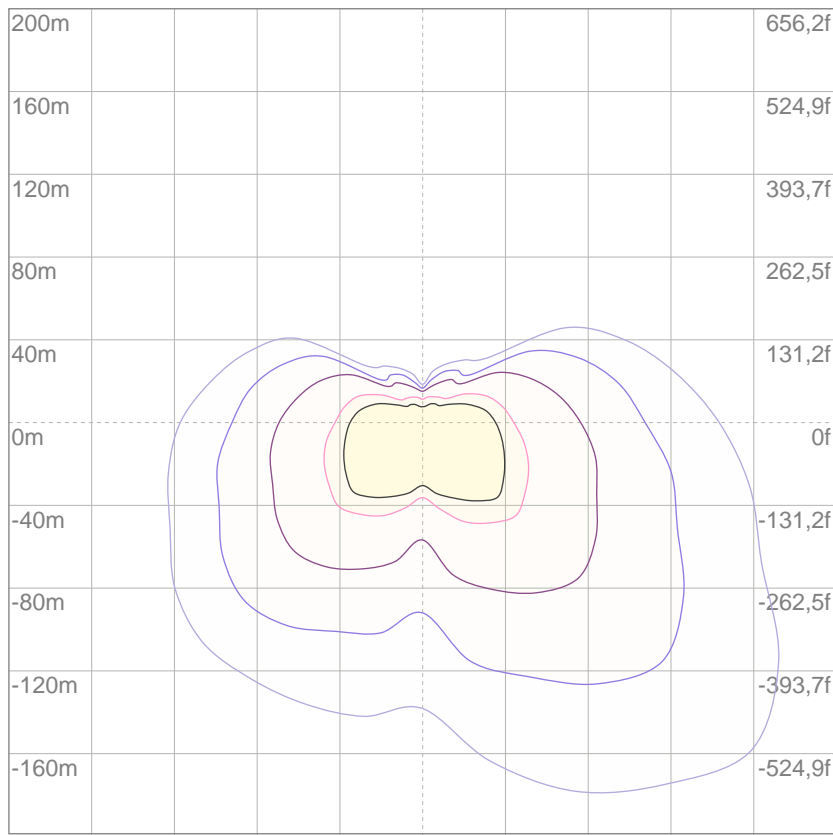
Power



Voltage: 114 V
Current: 0,359 A
Frequency: 60 Hz

ISO Diagrams

ISO lux diagram



3%	0,403 lx
5%	0,671 lx
10%	1,34 lx
30%	4,03 lx
50%	6,71 lx

Conditions:

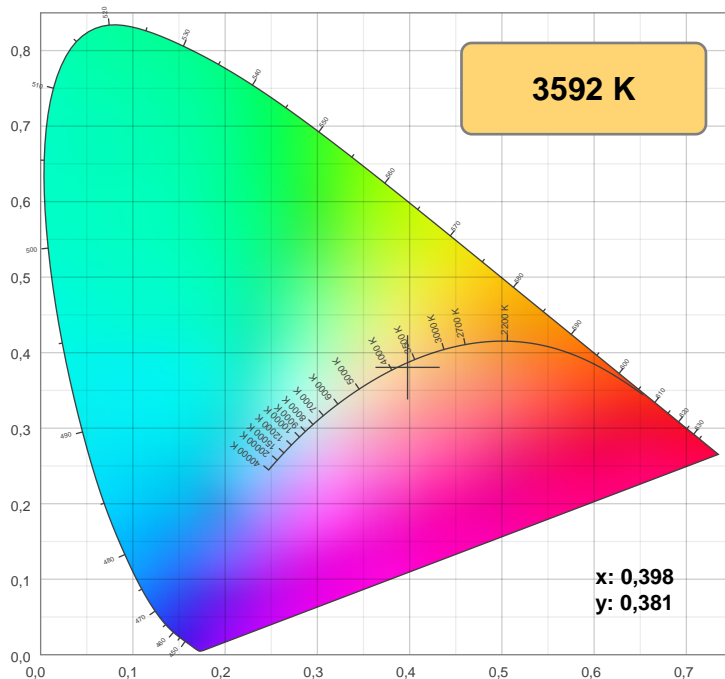
Number of c-planes: 8

Lux at center: 13,4 lx

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

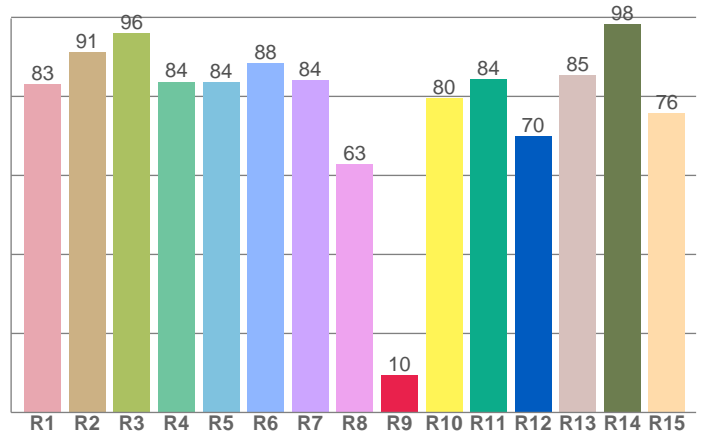
Mounting height: 10 meters (33 f)

Color details



CIE 1931

CRI: 84,1 (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
83,2	91,1	96,0	83,8	83,7	88,4	84,1	62,8	9,5	79,5	84,4	70,0	85,3	98,4	75,7

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
3592 K	84,1	9,5	84,7	97,4	82,8	0,398	0,381	0,235	0,337	-0,0028

TM-30 details

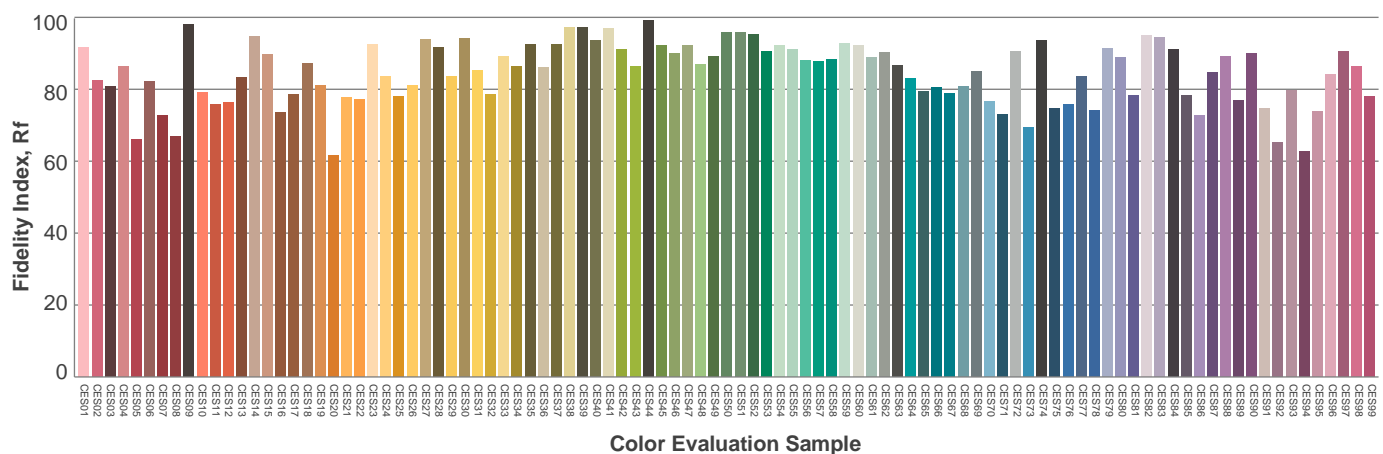
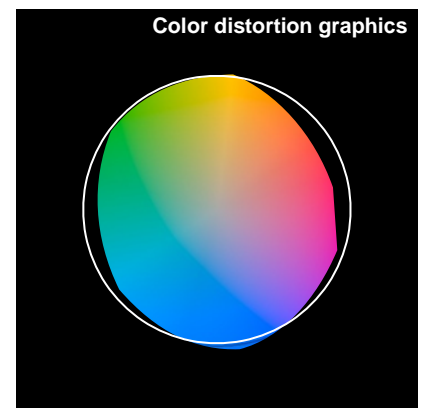
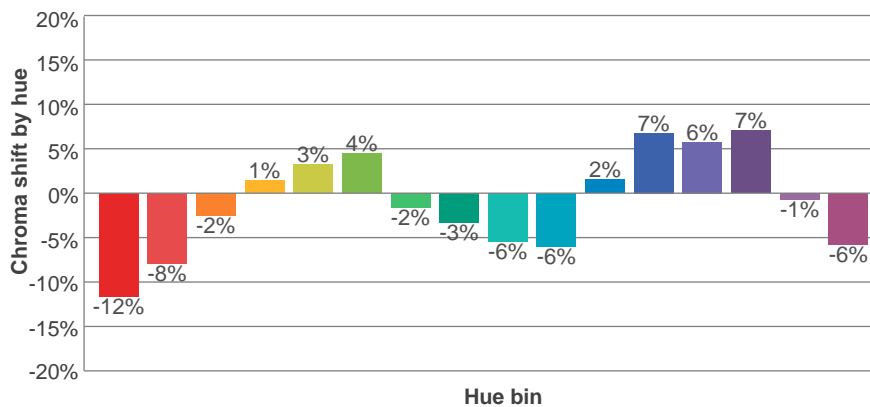
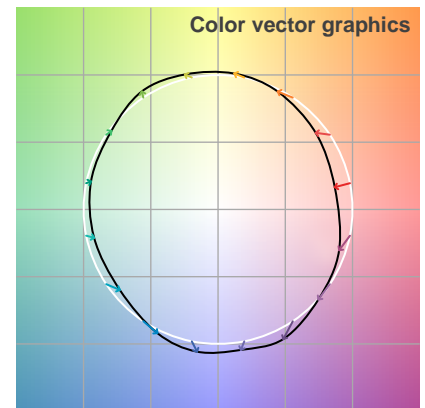
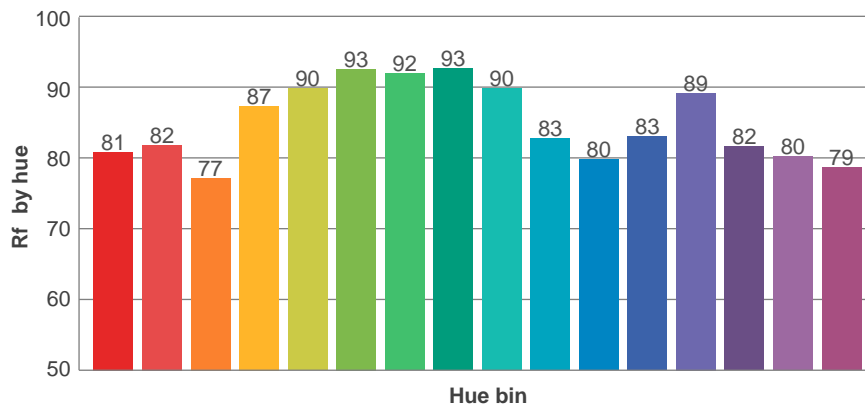
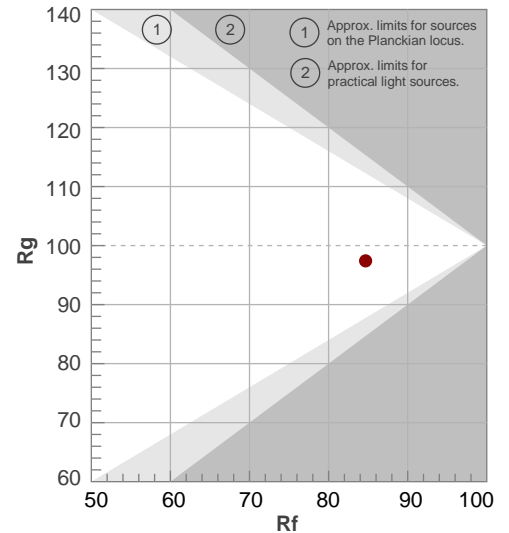
Rf 84,7

Fidelity index Rf

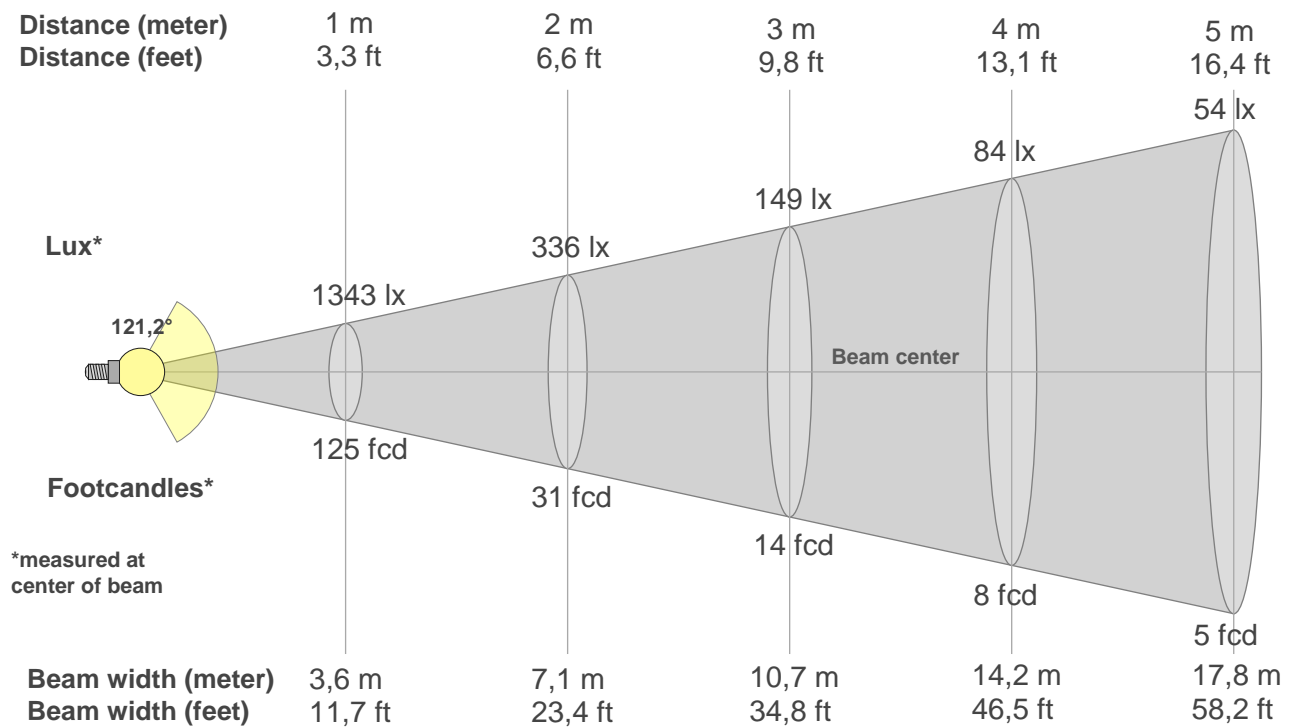
Rg 97,4

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	81	-12%	-1%
2	82	-8%	7%
3	77	-2%	12%
4	87	1%	8%
5	90	3%	5%
6	93	4%	-2%
7	92	-2%	-5%
8	93	-3%	-2%
9	90	-6%	3%
10	83	-6%	9%
11	80	2%	14%
12	83	7%	5%
13	89	6%	-4%
14	82	7%	-13%
15	80	-1%	-14%
16	79	-6%	-12%



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
1343lx	336lx	149lx	84lx	54lx	37lx	27lx	21lx	17lx	13lx	11lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx
124,8fcd	31,2fcd	13,9fcd	7,8fcd	5fcd	3,5fcd	2,5fcd	1,9fcd	1,5fcd	1,2fcd	1fcd	0,9fcd	0,7fcd	0,6fcd	0,6fcd	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°
1343	1350	1360	1372	1384	1396	1408	1422	1429	1426	1428	1430	1399	1265	1022	574	214	43	1	1
100%	101%	101%	102%	103%	104%	105%	106%	106%	106%	106%	106%	104%	94%	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°
1343	1357	1377	1396	1417	1446	1483	1536	1580	1578	1541	1487	1394	1182	813	368	134	52	6	4
100%	101%	103%	104%	106%	108%	110%	114%	118%	118%	115%	111%	104%	88%	61%	27%	10%	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°
1343	1348	1354	1361	1368	1373	1376	1379	1377	1369	1364	1355	1322	1204	984	591	241	62	1	1
100%	100%	101%	101%	102%	102%	102%	103%	103%	102%	102%	101%	98%	90%	73%	44%	18%	5%	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°
1343	1305	1262	1177	1067	918	813	762	580	520	380	176	56	4	0	0	0	0	1	1
100%	97%	94%	88%	79%	68%	61%	57%	43%	39%	28%	13%	4%	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
121,2°	150,1°	161,1°	71,5%	44,3%

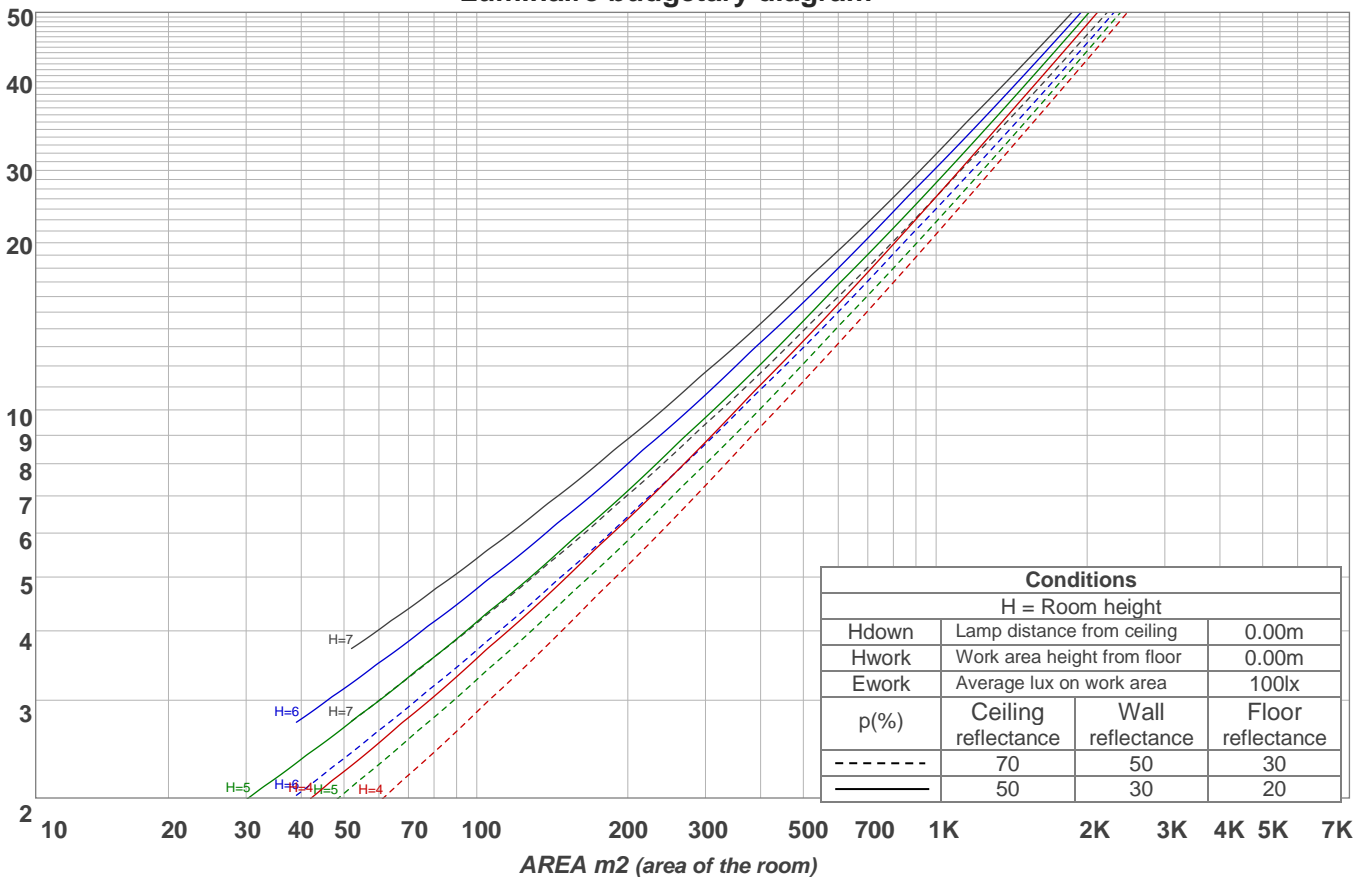
Light planning

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	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	65	60	56	54
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	38
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	21	32	26	21	20

LAMPS (number of lamps)

Luminaire budgetary diagram



Zonal Lumen Summary

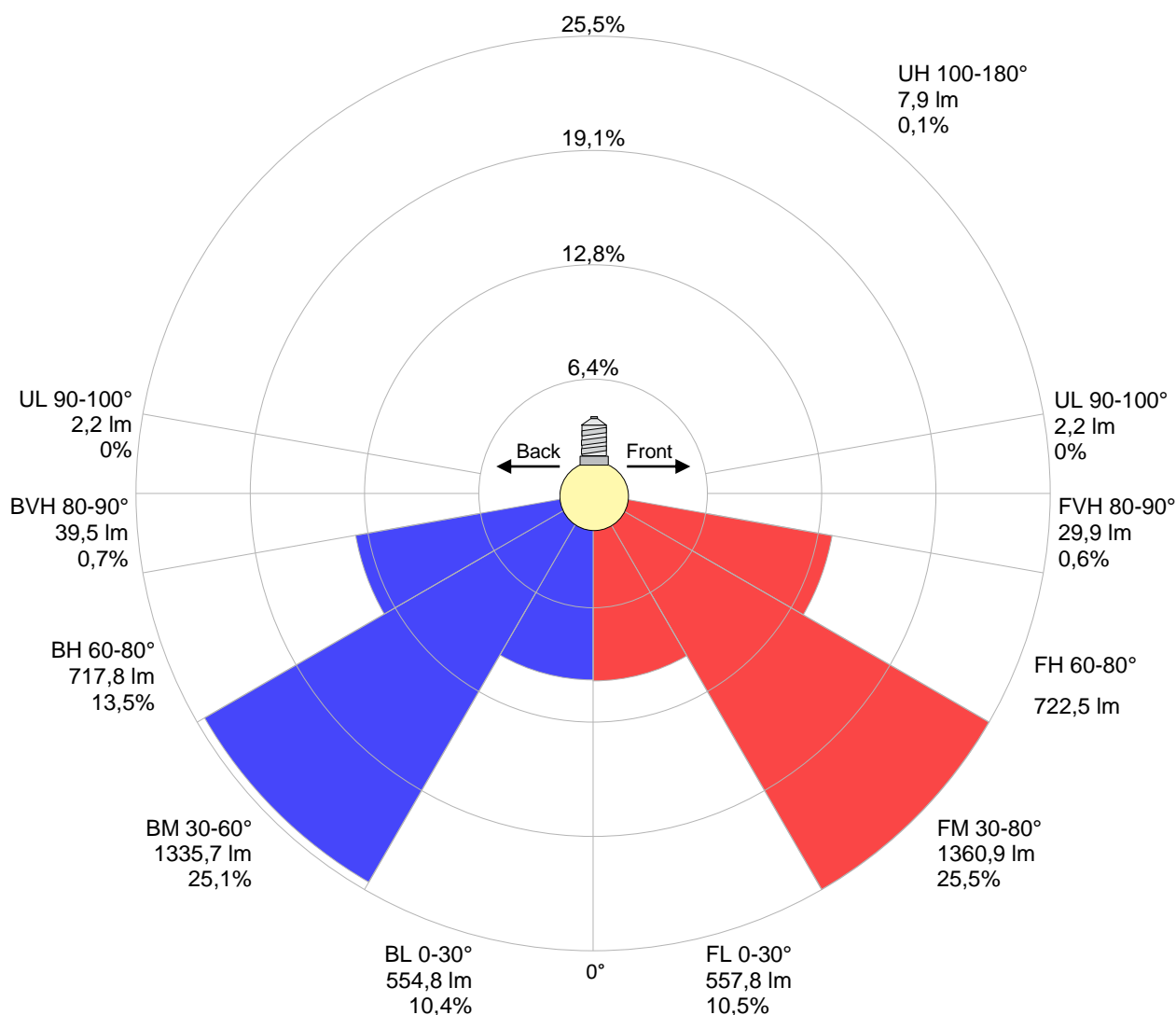
0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
128 lm	378 lm	606 lm	797 lm	924 lm	976 lm	928 lm	515 lm	68,9 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
2,19 lm	1,53 lm	1,37 lm	1,33 lm	1,20 lm	1,01 lm	0,774 lm	0,492 lm	0,172 lm

Road report

LCS table

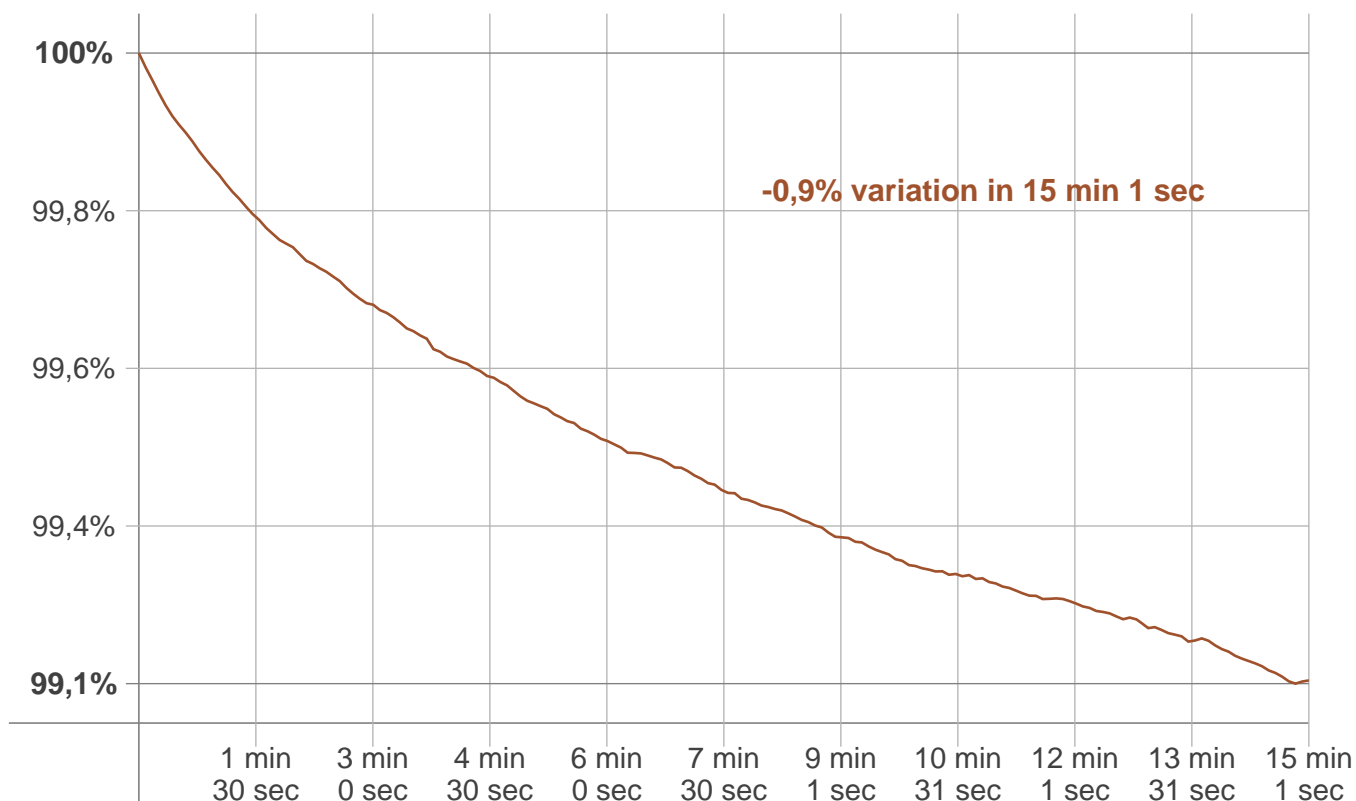
BUG rating:	B2 U1 G2	
Forward light	Lumens	Lumens %
Low(0-30):	557,8	10,5%
Medium(30-60):	1360,9	25,5%
High(60-80):	722,5	13,6%
Very high(80-90):	29,9	0,6%
Back light		
Low(0-30):	554,8	10,4%
Medium(30-60):	1335,7	25,1%
High(60-80):	717,8	13,5%
Very high(80-90):	39,5	0,7%
Uplight		
Low(90-100):	2,2	0%
High(100-180):	7,9	0,1%

LCS graph



Stabilization

Warmup curve



Warmup result

Warmup time:	15 min 1 sec
Warmup variation	-0,9%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
3586 K	+6 K	3592 K

Output change

Output start	Output change	Output end
5373 lm	-43 lm	5331 lm