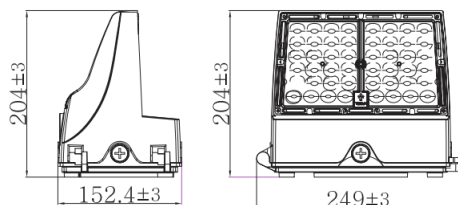


## Luminaria para exterior



### Dimensiones (mm)

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



### Código

**TITAN-40W-3K**

### 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	 125°	 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
42,1W	>80	3000	121	5091

### Características de fuente de luz

- Color temperatura disponible 3000K (cálido).
- 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:

121 Lumen/Watt

Light quality:

CRI: 82,0

Color temperature:

2979 K

Output: 5091 lm

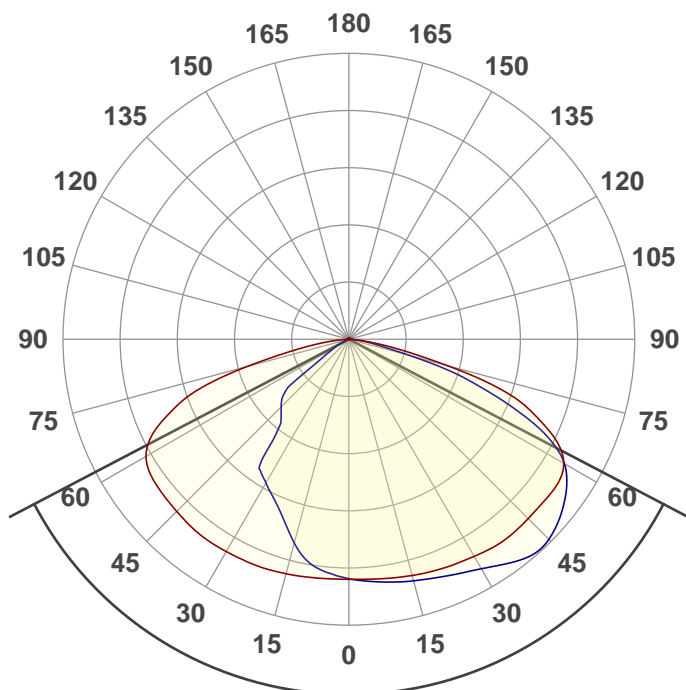
Peak: 1700 cd

Power: 42,1 W

PF: 0,99



Product name:  
E0829-TITAN-ES-40W-3K



Beam angle **124,7°**



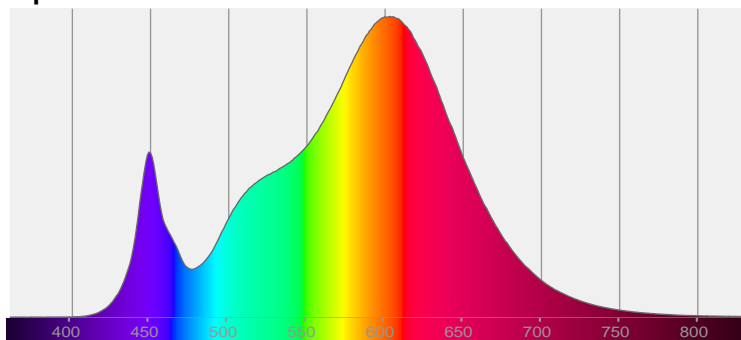
CIE 1931  
x: 0,437  
y: 0,402

THD Values:

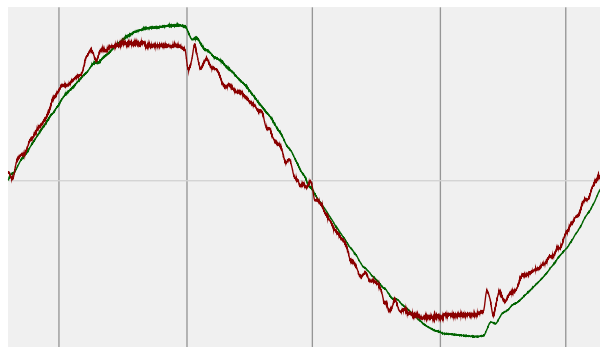
Voltage: 2,28%

Current: 5,58%

Spectra



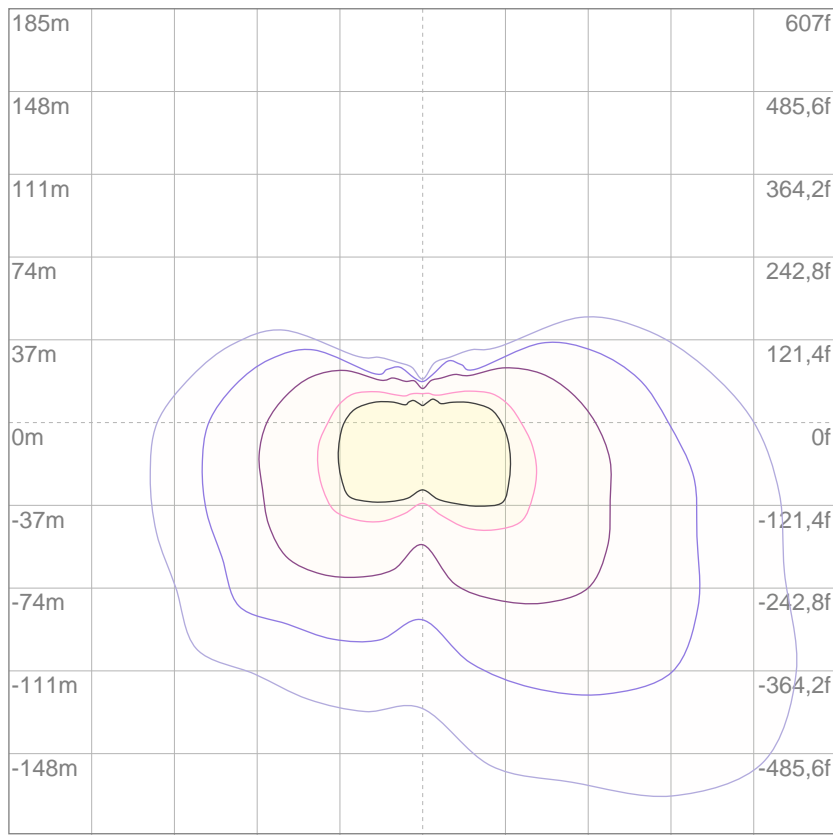
Power



Voltage: 116 V  
Current: 0,366 A  
Frequency: 60 Hz

## ISO Diagrams

### ISO lux diagram



3%	0,381 lx
5%	0,635 lx
10%	1,27 lx
30%	3,81 lx
50%	6,35 lx

#### Conditions:

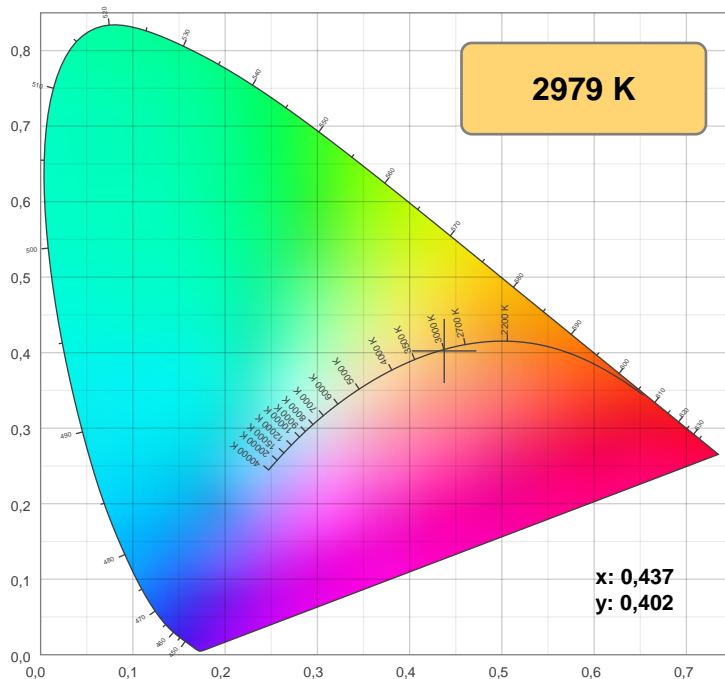
Number of c-planes: 8

Lux at center: 12,7 lx

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

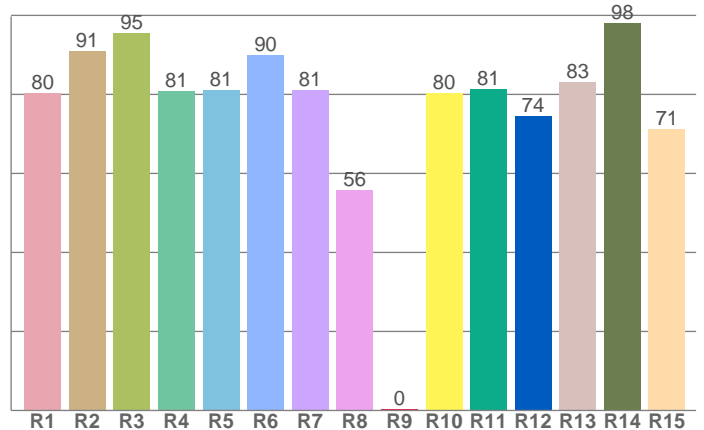
Mounting height: 10 meters (33 f)

## Color details



CIE 1931

### CRI: 82,0 (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
80,4	91,0	95,5	80,8	81,2	89,9	81,1	55,8	0,2	80,4	81,5	74,4	83,0	98,1	71,2

### 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	$\Delta uv$
2979 K	82,0	0,2	84,5	96,4	81,3	0,437	0,402	0,252	0,347	-0,0008

## TM-30 details

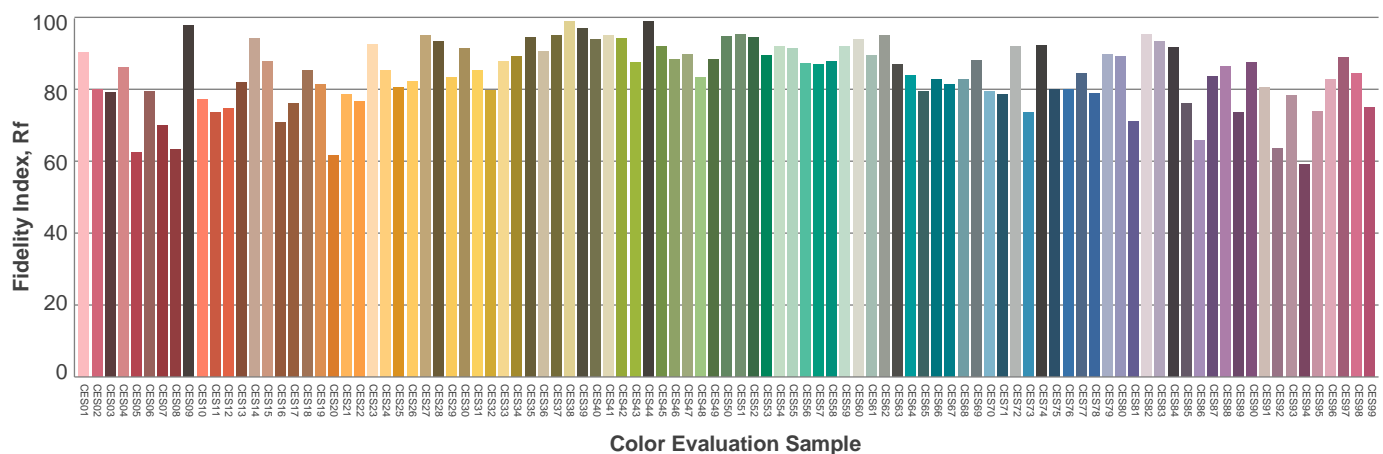
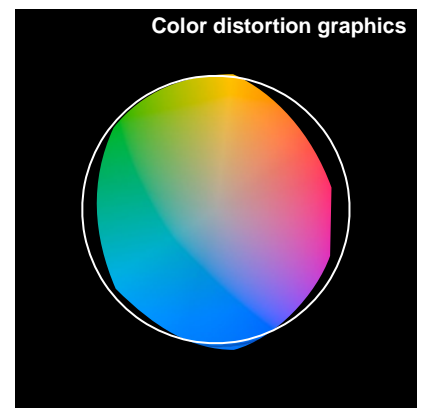
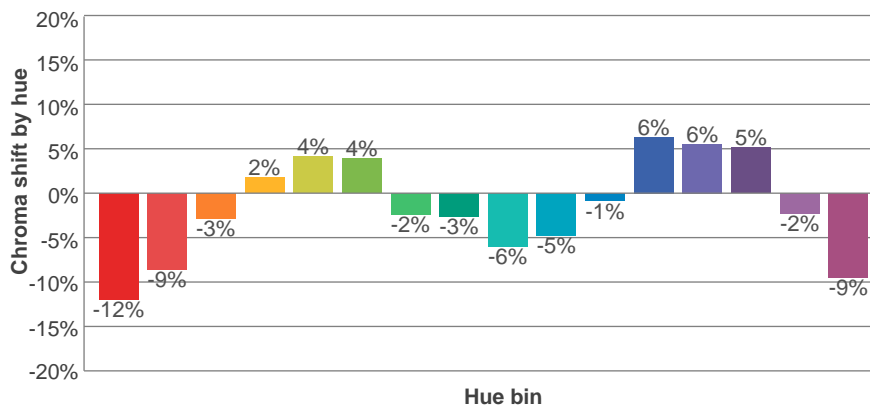
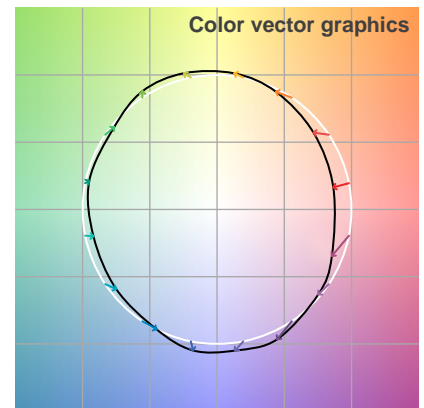
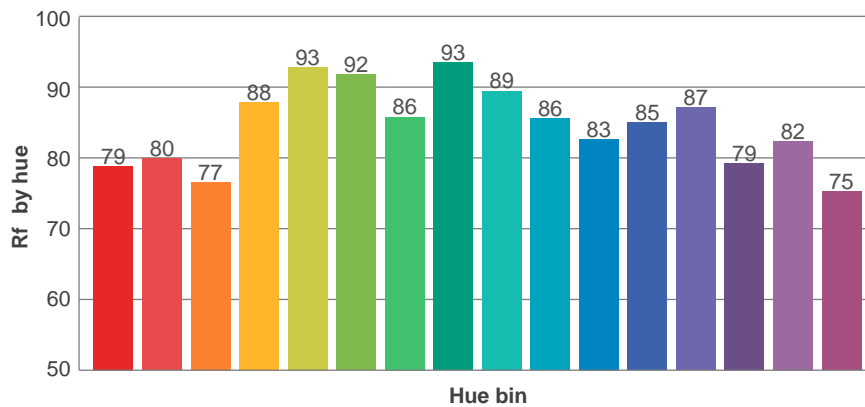
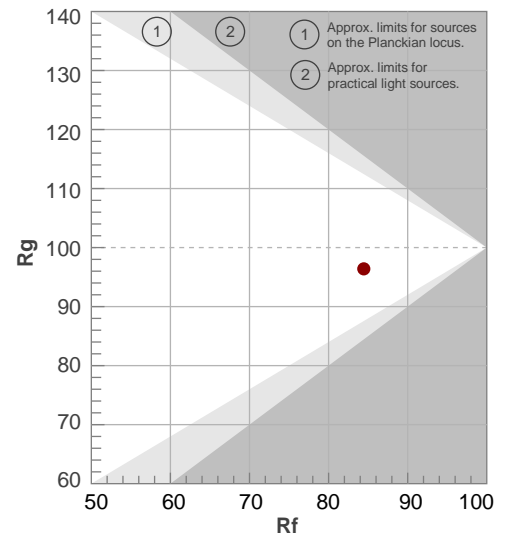
**Rf 84,5**

Fidelity index Rf

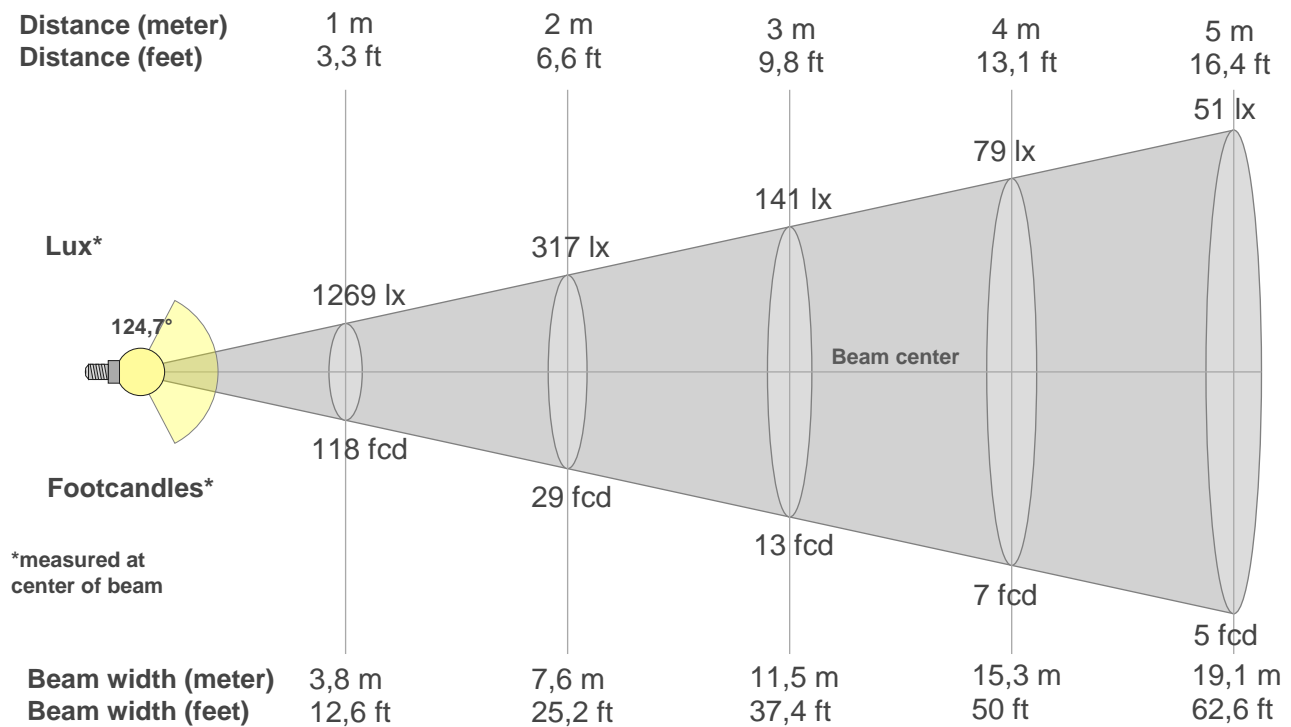
**Rg 96,4**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	79	-12%	-1%
2	80	-9%	8%
3	77	-3%	12%
4	88	2%	7%
5	93	4%	4%
6	92	4%	-3%
7	86	-2%	-8%
8	93	-3%	-2%
9	89	-6%	2%
10	86	-5%	8%
11	83	-1%	12%
12	85	6%	3%
13	87	6%	-7%
14	79	5%	-16%
15	82	-2%	-11%
16	75	-9%	-17%



## 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
1269lx	317lx	141lx	79lx	51lx	35lx	26lx	20lx	16lx	13lx	10lx	9lx	8lx	6lx	6lx	5lx	4lx	4lx	4lx	3lx
117,9fcd	29,5fcd	13,1fcd	7,4fcd	4,7fcd	3,3fcd	2,4fcd	1,8fcd	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°
1269	1274	1283	1294	1305	1315	1326	1340	1345	1342	1342	1344	1313	1183	963	541	205	42	1	1
100%	100%	101%	102%	103%	104%	104%	106%	106%	106%	106%	106%	103%	93%	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°
1269	1286	1305	1323	1343	1369	1402	1450	1495	1497	1460	1404	1317	1107	746	340	122	45	5	4
100%	101%	103%	104%	106%	108%	110%	114%	118%	118%	115%	111%	104%	87%	59%	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°
1269	1272	1278	1284	1291	1295	1297	1300	1296	1288	1281	1272	1239	1128	925	558	230	62	2	1
100%	100%	101%	101%	102%	102%	102%	102%	102%	101%	101%	100%	98%	89%	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°
1269	1241	1201	1116	1012	935	877	826	558	506	446	171	81	6	0	0	0	0	1	1
100%	98%	95%	88%	80%	74%	69%	65%	44%	40%	35%	14%	6%	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
124,7°	150,5°	161,6°	71,6%	44,3%

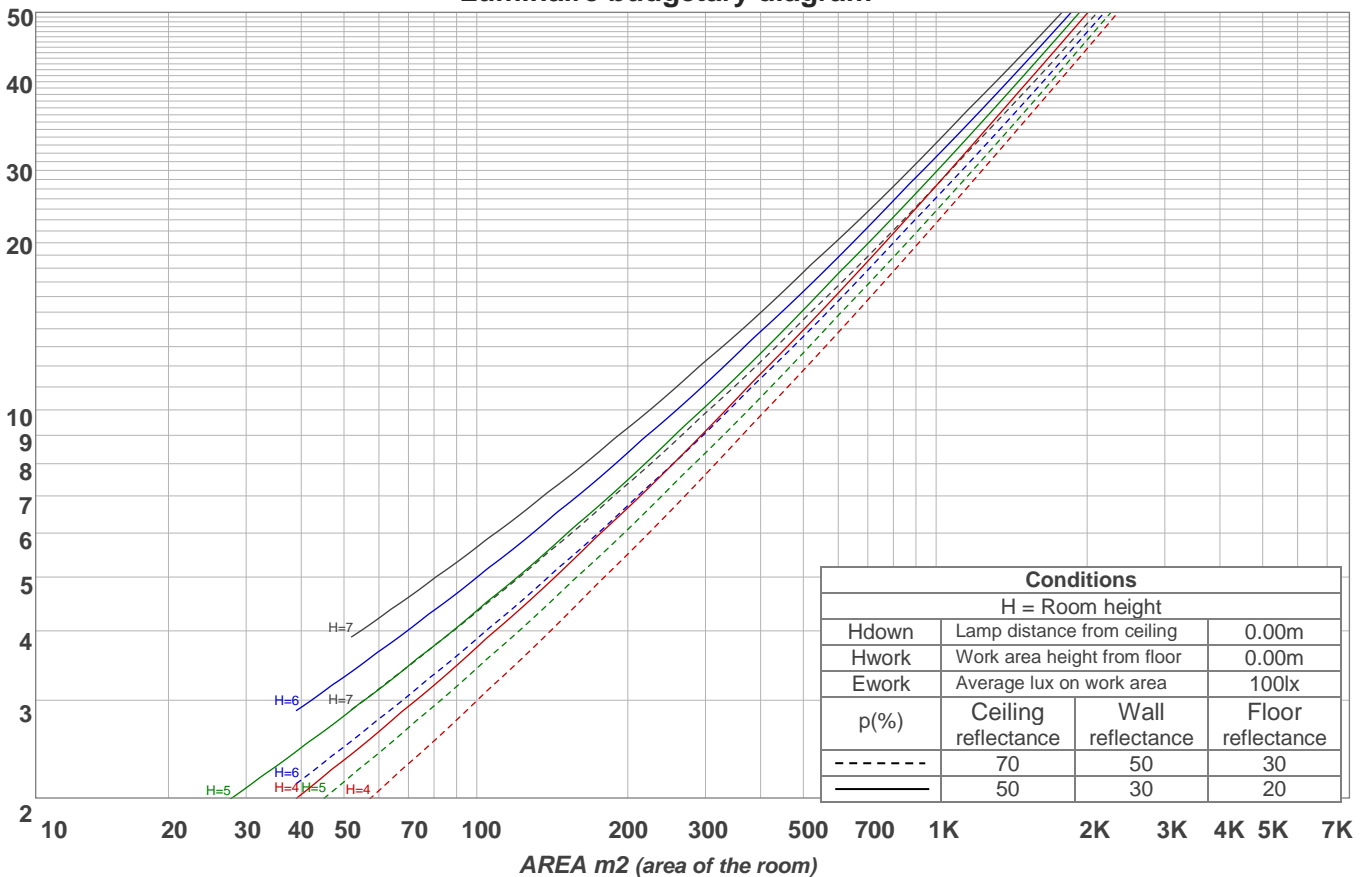
## Light planning

### 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	48	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	43	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	49	36	27	22	48	35	27	22	34	27	22	33	26	21	32	26	21	19

LAMPS (number of lamps)

### Luminaire budgetary diagram



### Zonal Lumen Summary

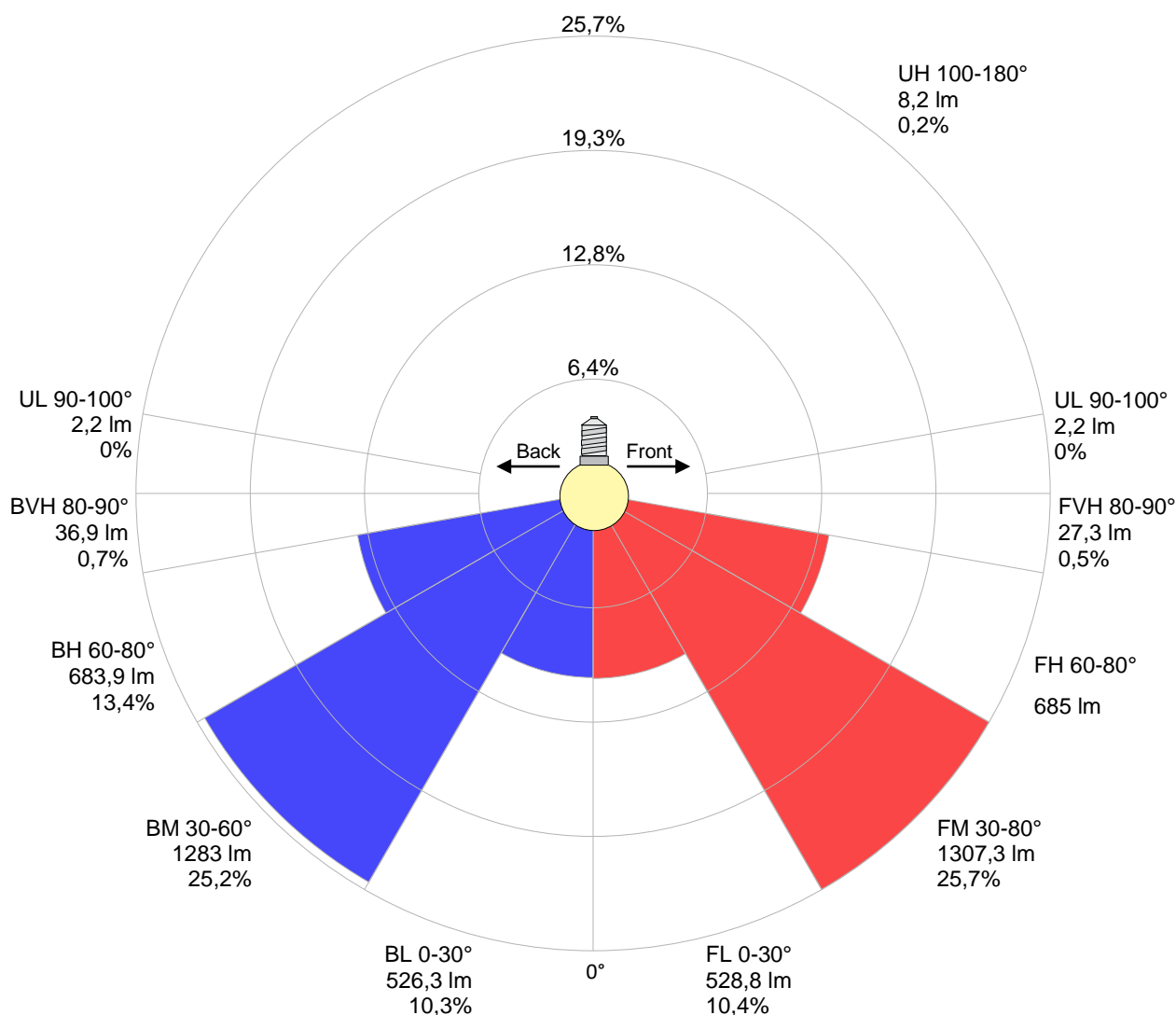
0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
121 lm	358 lm	576 lm	766 lm	894 lm	930 lm	886 lm	485 lm	63,7 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
2,15 lm	1,61 lm	1,45 lm	1,39 lm	1,24 lm	1,03 lm	0,785 lm	0,499 lm	0,175 lm

## Road report

LCS table

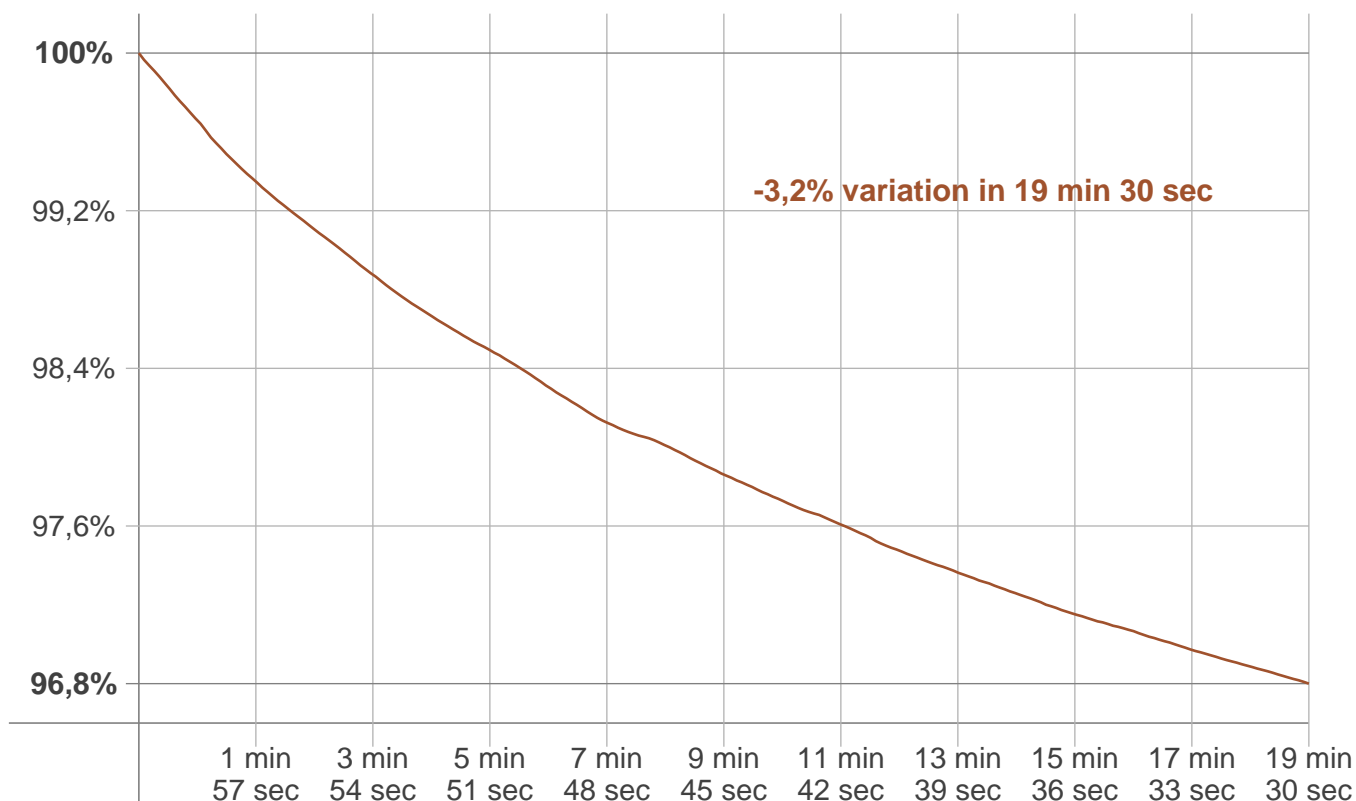
BUG rating:	B2 U1 G2	
Forward light	Lumens	Lumens %
Low(0-30):	528,8	10,4%
Medium(30-60):	1307,3	25,7%
High(60-80):	685	13,5%
Very high(80-90):	27,3	0,5%
Back light		
Low(0-30):	526,3	10,3%
Medium(30-60):	1283	25,2%
High(60-80):	683,9	13,4%
Very high(80-90):	36,9	0,7%
Uplight		
Low(90-100):	2,2	0%
High(100-180):	8,2	0,2%

LCS graph



## Stabilization

Warmup curve



Warmup result

Warmup time:	19 min 30 sec
Warmup variation	-3,2%

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
2968 K	+11 K	2979 K

Output change

Output start	Output change	Output end
5255 lm	-164 lm	5091 lm