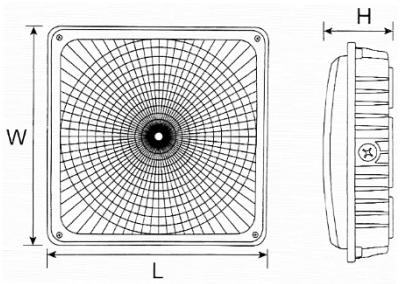
Luminaria para exterior

Dimensiones (mm)

Largo (L): 241; **Ancho (W):** 241
Alto (H): 89.



Código

ARIEL

Descripción

Luminaria tipo canopy, diseñada con módulo de LED. Sobrepuesta al techo por medio del sujetador ubicado en la parte trasera de la luminaria. Difusor en policarbonato semi opal texturizado.

Materiales y acabado

Cuerpo en aluminio inyectado el cual realiza la función de disipador. Pieza con acabado en pintura poliéster electroestática en polvo.

Color

Negro.

Características técnicas

LED	152°	50,000h	**IP 65**	**IK 08**
PF <0,9	**THD** <10%	**°C** 0-55	**V** 30-305	

Fuente de luz

Módulo de LED.

Potencia Nominal	CRI	K	Lm / W	Lm de Salida
42W	>70	5000	90	3735

Características de fuente de luz

- Colores temperatura disponible 5000K (luz día).
- Potencia de Salida: 41,3W.

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

Light efficiency:

90 Lumen/Watt

Light quality:

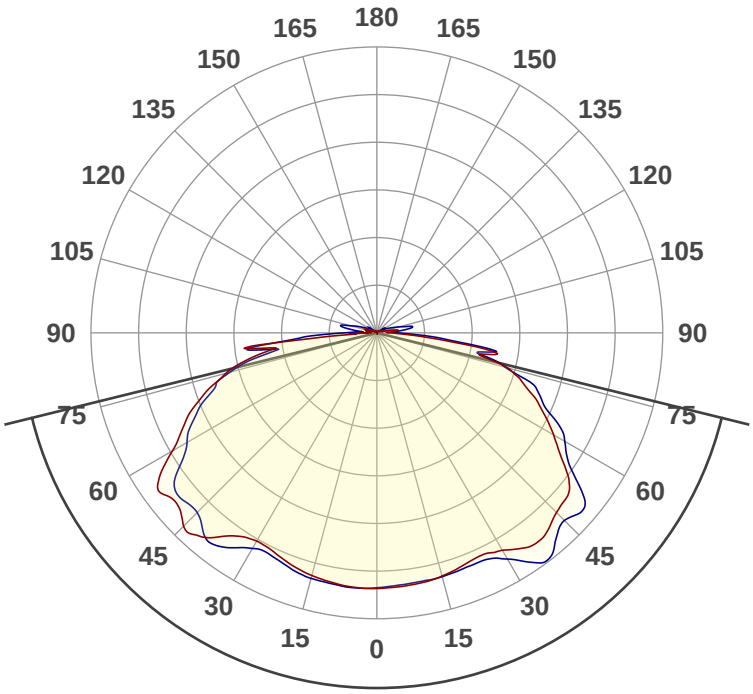
CRI: 73,3

Color temperature:

4789 K

Output: 3735 lm
Peak: 836 cd

Power: 41,3 W
PF: 1,0



Product name:
E0336-ARIEL

Beam angle

152,3°

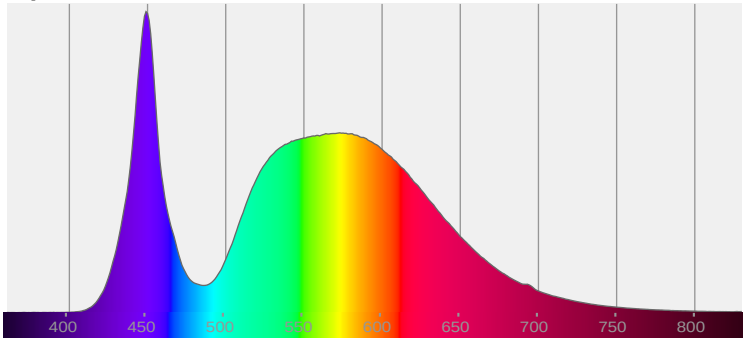
CIE 1931
x: 0,352
y: 0,359

THD Values:

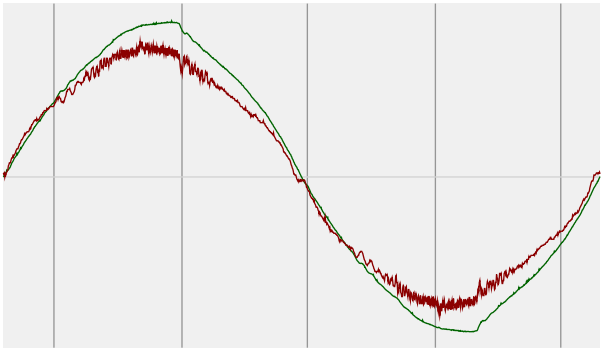
Voltage: 2,72%

Current: 4,95%

Spectra

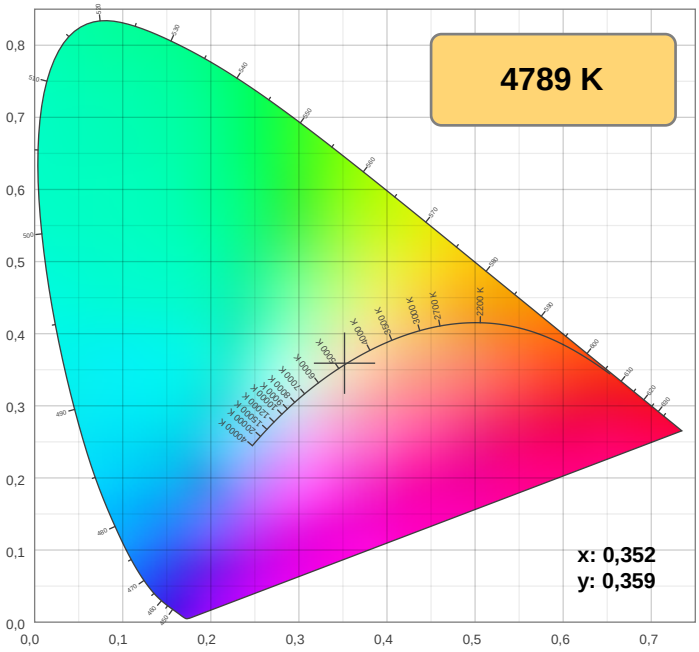


Power



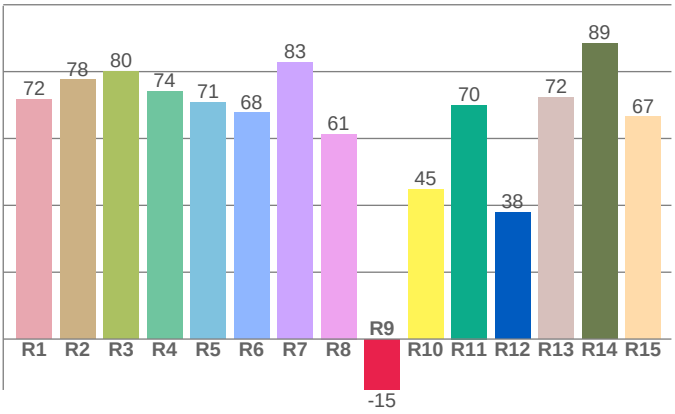
Voltage: 115 V
Current: 0,360 A
Frequency: 60 Hz

Color details



CIE 1931

CRI: 73,3 (R1-R8)

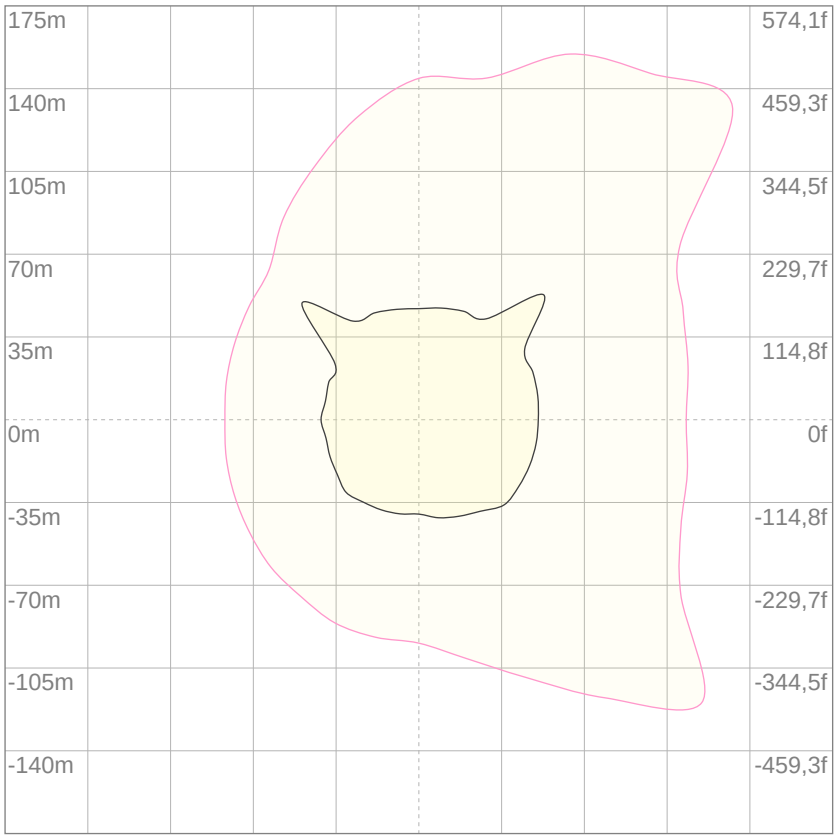


CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	9	R10	R11	R12	R13	R14	R15
71,7	77,5	80,1	74,2	70,8	67,7	82,7	61,3	-15,2	44,8	70,0	38,0	72,4	88,5	66,6

ISO Diagrams

ISO lux diagram



Mounting height: 10 meters (33 f)

3%	0,225 lx
5%	0,376 lx
10%	0,752 lx
30%	2,25 lx
50%	3,76 lx

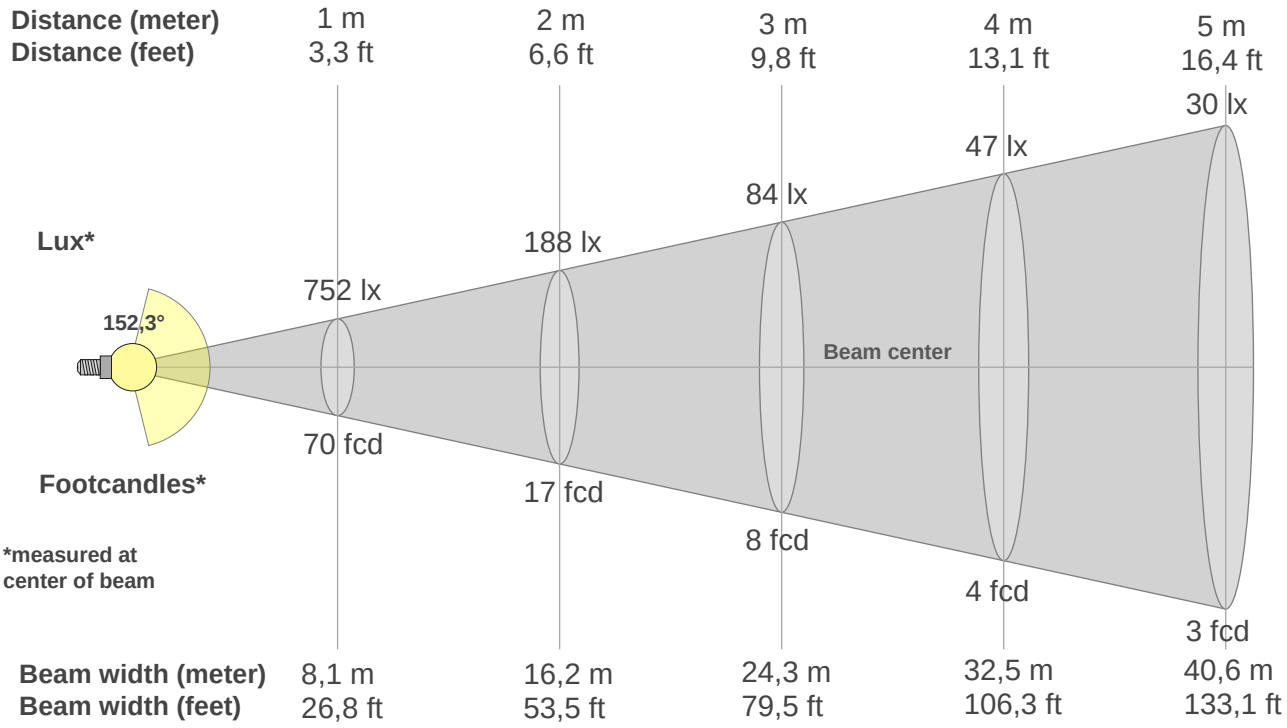
Conditions:

Number of c-planes: 8

Lux at center: 7,52 lx

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

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
752lx	188lx	84lx	47lx	30lx	21lx	15lx	12lx	9lx	8lx	6lx	5lx	4lx	4lx	3lx	3lx	3lx	2lx	2lx	2lx
69,8fcd	17,5fcd	7,8fcd	4,4fcd	2,8fcd	1,9fcd	1,4fcd	1,1fcd	0,9fcd	0,7fcd	0,6fcd	0,5fcd	0,4fcd	0,4fcd	0,3fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	0,2fcd

Intensities in 0° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
752	748	735	727	775	748	689	562	444	339	37	54	19	10	6	2	1	1	1	1
100%	100%	98%	97%	103%	99%	92%	75%	59%	45%	5%	7%	3%	1%	1%	0%	0%	0%	0%	0%

Intensities in 90° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
752	743	741	745	835	781	720	603	478	353	62	106	51	22	10	4	1	1	1	1
100%	99%	99%	99%	111%	104%	96%	80%	64%	47%	8%	14%	7%	3%	1%	1%	0%	0%	0%	0%

Intensities in 180° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
752	748	733	709	739	804	793	648	513	313	35	26	35	13	9	4	1	1	1	1
100%	100%	98%	94%	98%	107%	105%	86%	68%	42%	5%	3%	5%	2%	1%	1%	0%	0%	0%	0%

Intensities in 270° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
752	751	744	723	778	748	735	618	498	310	97	96	63	25	18	7	1	1	1	1
100%	100%	99%	96%	103%	100%	98%	82%	66%	41%	13%	13%	8%	3%	2%	1%	0%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
152,3°	185,5°	225,9°	62,6%	37,1%

TM30 details

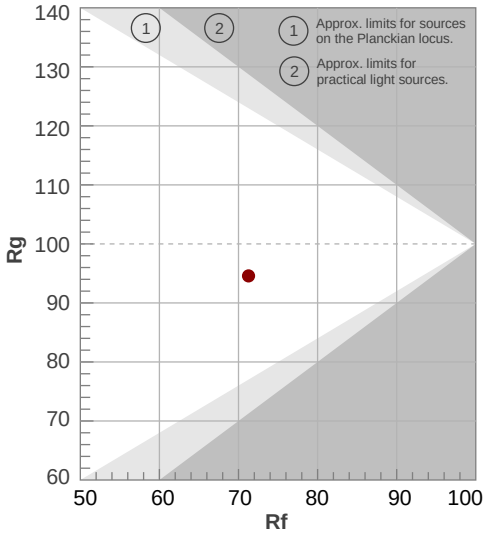
Rf 71,3

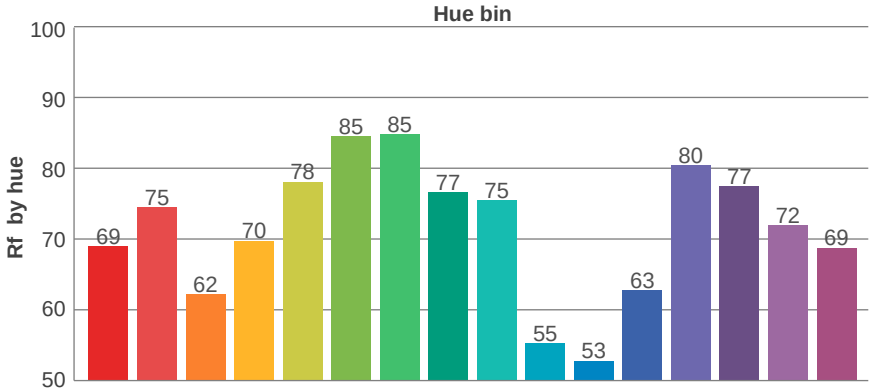
Fidelity index Rf

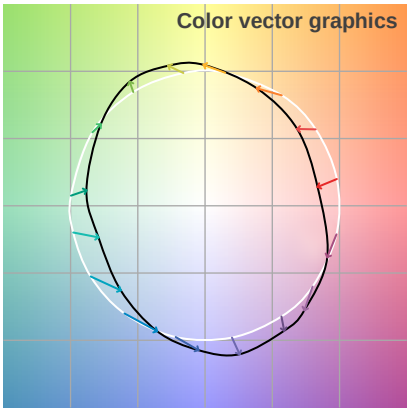
Rg 94,6

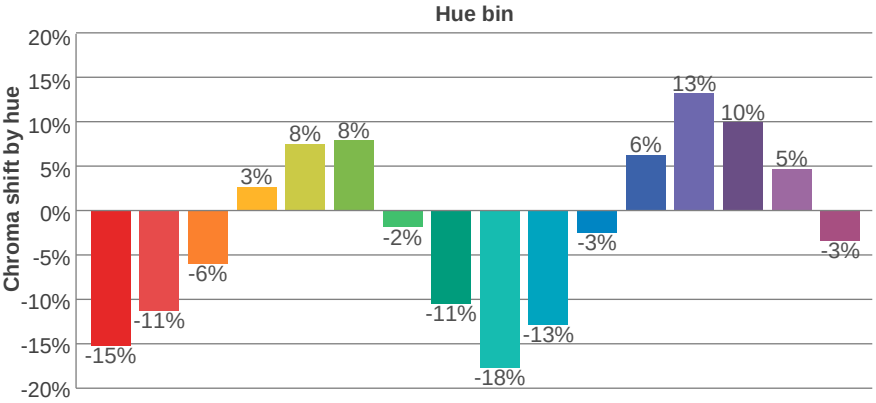
Gammut index Rg

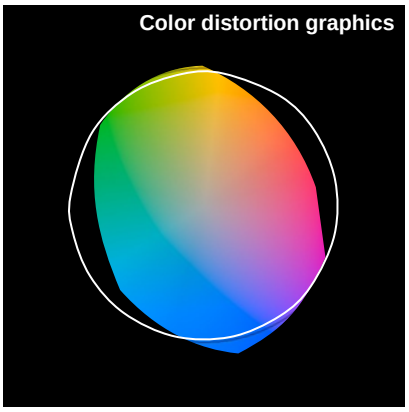
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	69	-15%	-3%
2	75	-11%	8%
3	62	-6%	18%
4	70	3%	17%
5	78	8%	10%
6	85	8%	-2%
7	85	-2%	-8%
8	77	-11%	-6%
9	75	-18%	7%
10	55	-13%	21%
11	53	-3%	28%
12	63	6%	19%
13	80	13%	3%
14	77	10%	-4%
15	72	5%	-18%
16	69	-3%	-18%

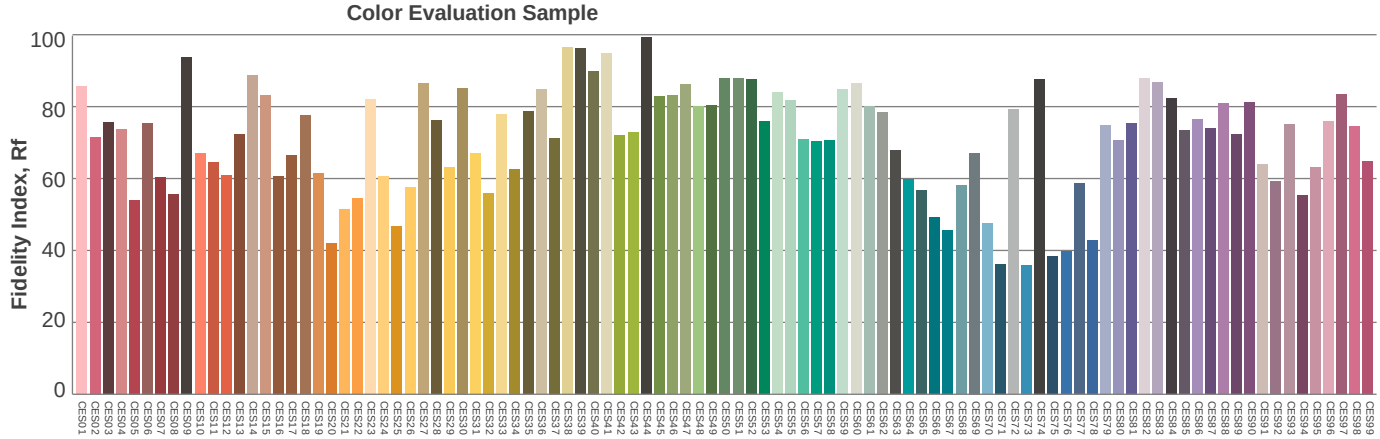










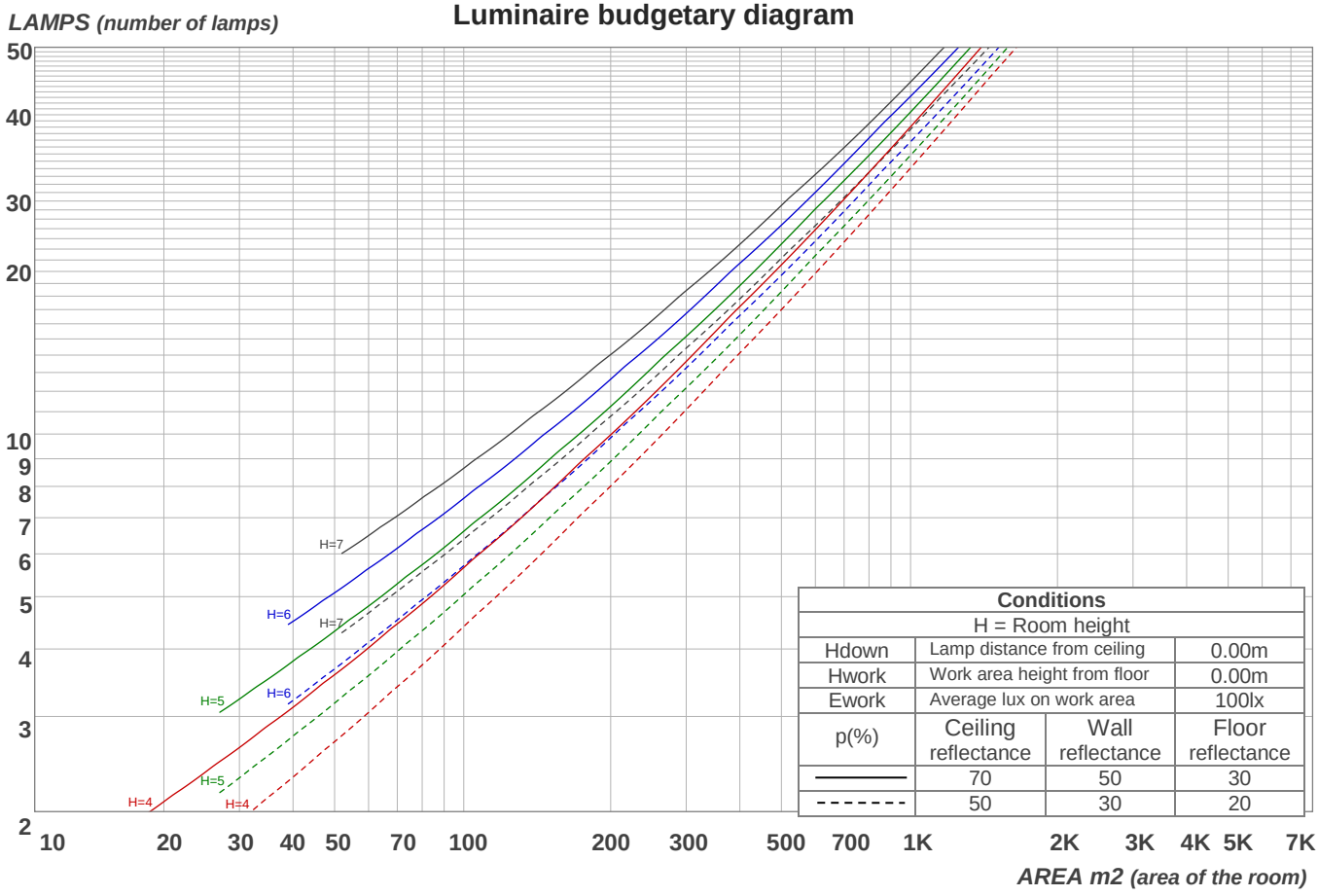


Light planning

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	105	98	93	88	101	96	91	86	91	86	83	86	83	79	82	79	76	74
2	93	83	75	68	90	81	73	67	77	70	65	73	67	63	69	65	61	58
3	84	72	62	54	81	70	61	54	66	58	52	63	56	51	59	54	49	47
4	76	62	52	44	73	61	51	44	57	49	43	55	48	42	52	46	41	38
5	69	55	45	37	67	53	44	37	51	42	36	48	41	35	46	40	35	32
6	64	49	39	32	61	48	38	31	45	37	31	43	36	30	41	35	30	27
7	59	44	34	27	57	43	34	27	41	33	27	39	32	26	37	31	26	24
8	54	40	30	24	52	39	30	24	37	29	23	35	28	23	34	28	23	21
9	51	36	27	21	49	35	27	21	34	26	21	32	25	20	31	25	20	18
10	47	33	25	19	46	32	24	19	31	24	19	30	23	18	29	23	18	16

Luminaire budgetary diagram



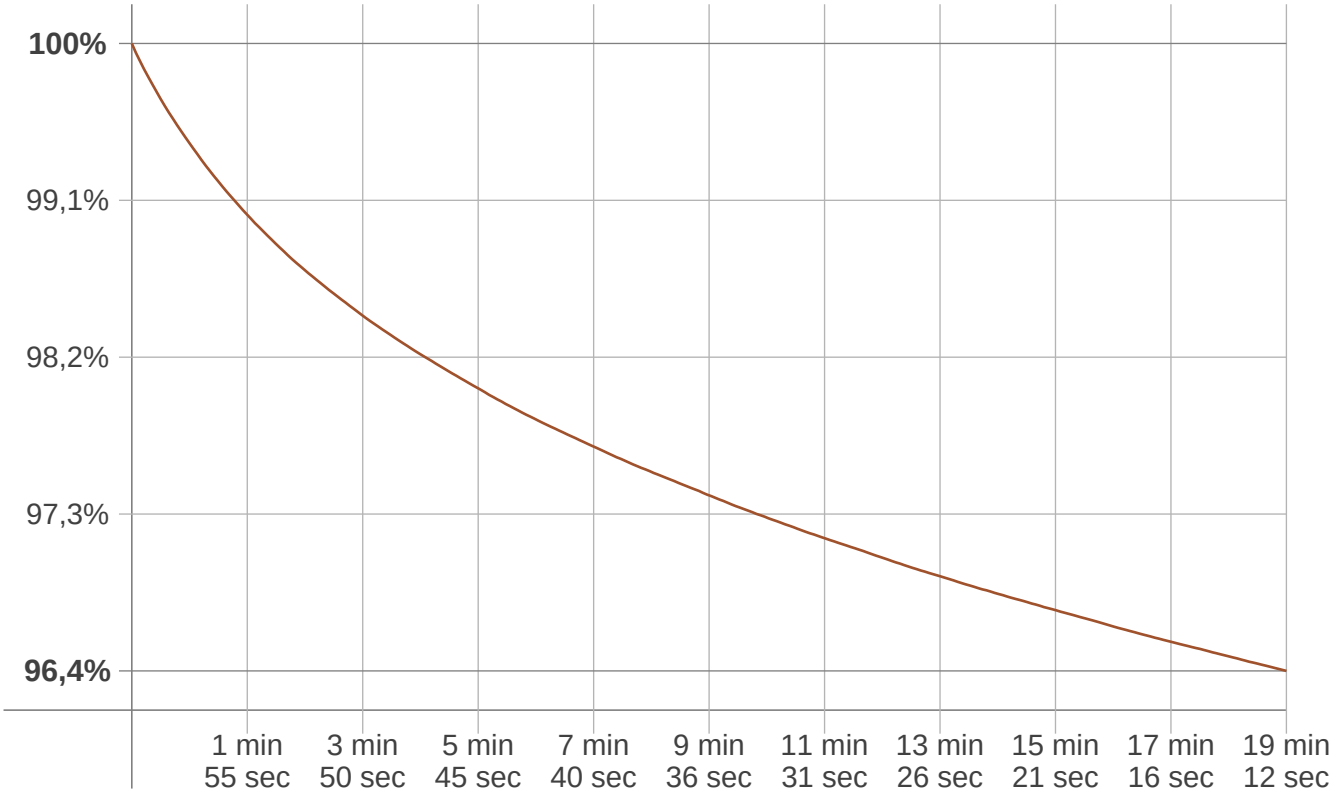
Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
71,5 lm	210 lm	338 lm	480 lm	600 lm	638 lm	573 lm	450 lm	241 lm

90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
60,8 lm	46,0 lm	15,5 lm	6,93 lm	1,97 lm	0,745 lm	0,565 lm	0,361 lm	0,126 lm

Stabilization

Warmup curve



Warmup result

Warmup time:	**19 min 12 sec**
Warmup variation	**-3,6%**

Warmup conditions

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

Color temperature change

CCT start	CCT change	CCT end
4750 K	**+39 K**	**4789 K**

Output change

Output start	Output change	Output end
3868 lm	**-133 lm**	**3735 lm**