Light efficiency:

70 Lumen/Watt

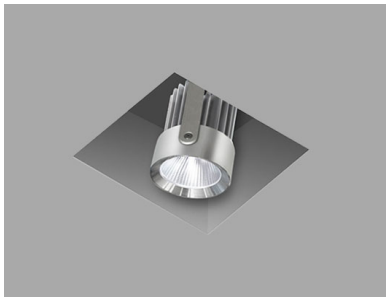
Light quality:

CRI: 93.4

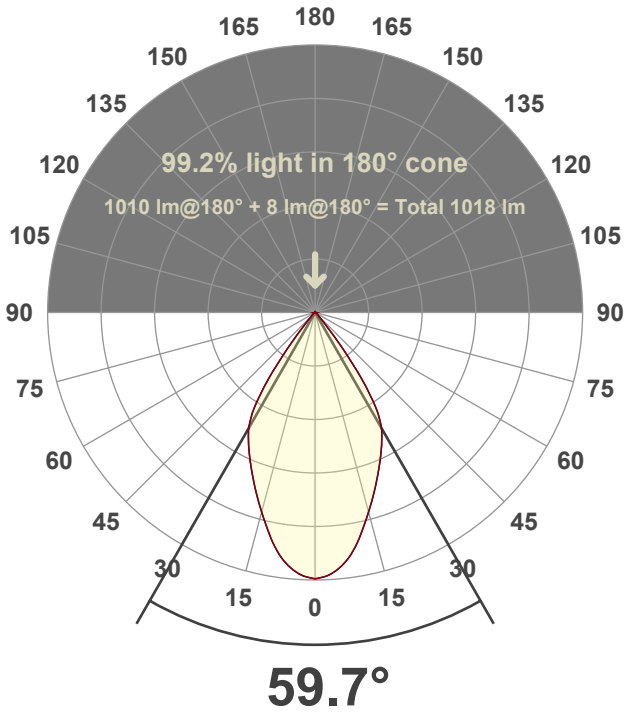
Output: 1010 lm

Peak: 1283 cd

Power: 14.5 W



Beam angle



59.7°

Test number:
JTZ5-4-C14-30-60

Luminaire Model:
JTZ5-4-C14-30-60

Date and time:
2/18/2025 11:42:42 AM

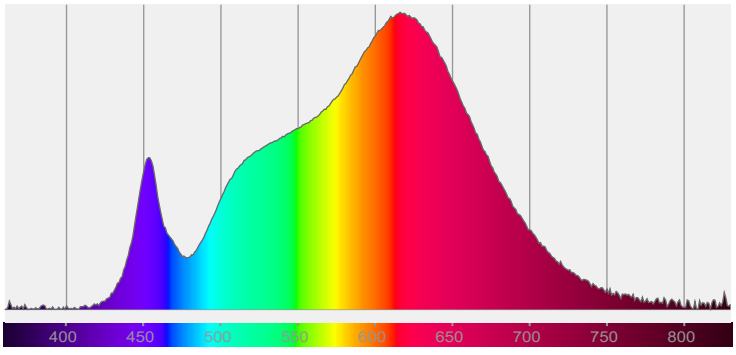
LUM: 1010

Primary Optic = 59.7°

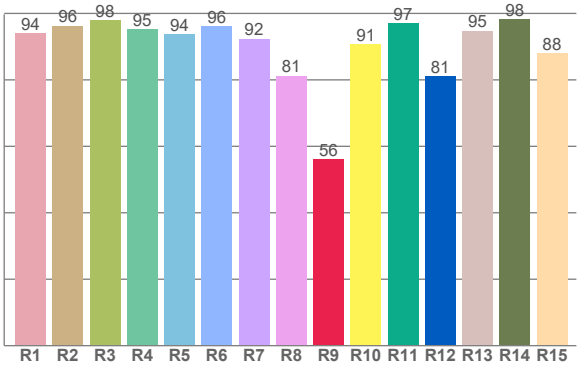
2987 K

***Variation due to source size, bezel geometry, or secondary optics**

Spectra



CRI: 93.4 (R1-R8)



Color parameters

	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 diviation from black body
	CRI	CRI R9	TM30 R_f	TM30 R_g	CQS	x	y	u	v	Δuv
	93.4	56.0	92.3	99.2	91.6	0.440	0.408	0.251	0.349	0.0011

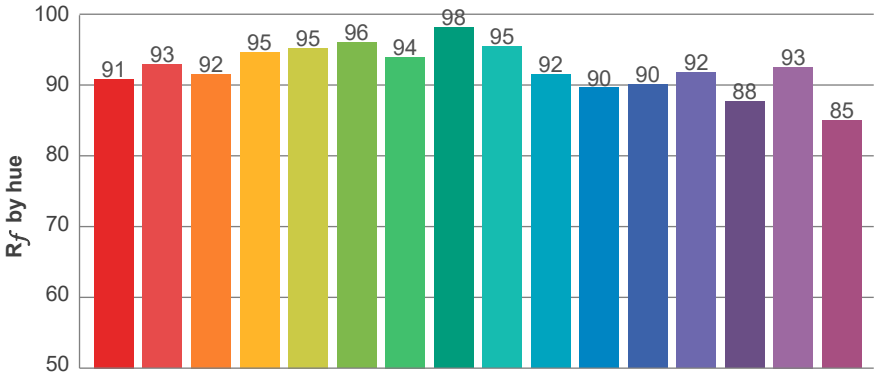
R_f 92.3

Fidelity index R_f

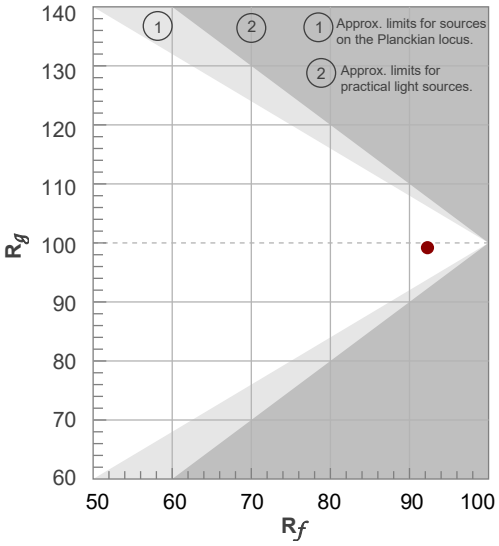
R_g 99.2

Gammut index R_g

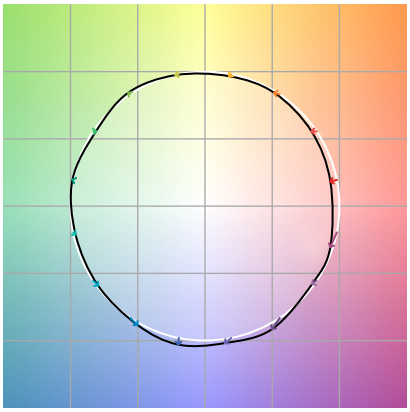
TM-30Color

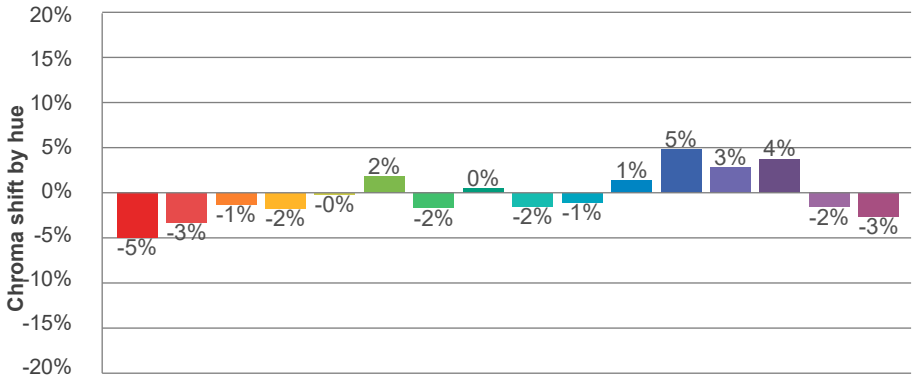


		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	91	-5%	-0%
2	93	-3%	2%
3	92	-1%	4%
4	95	-2%	1%
5	95	-0%	3%
6	96	2%	1%
7	94	-2%	-1%
8	98	0%	-0%
9	95	-2%	2%
10	92	-1%	5%
11	90	1%	7%
12	90	5%	1%
13	92	3%	-5%
14	88	4%	-9%
15	93	-2%	-4%
16	85	-3%	-12%



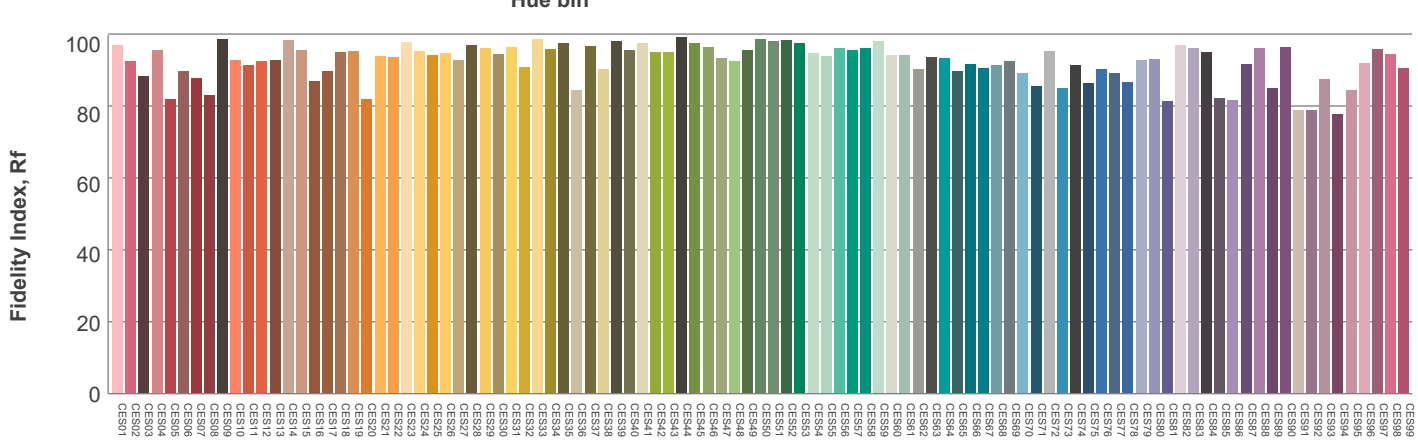
Color vector graphics



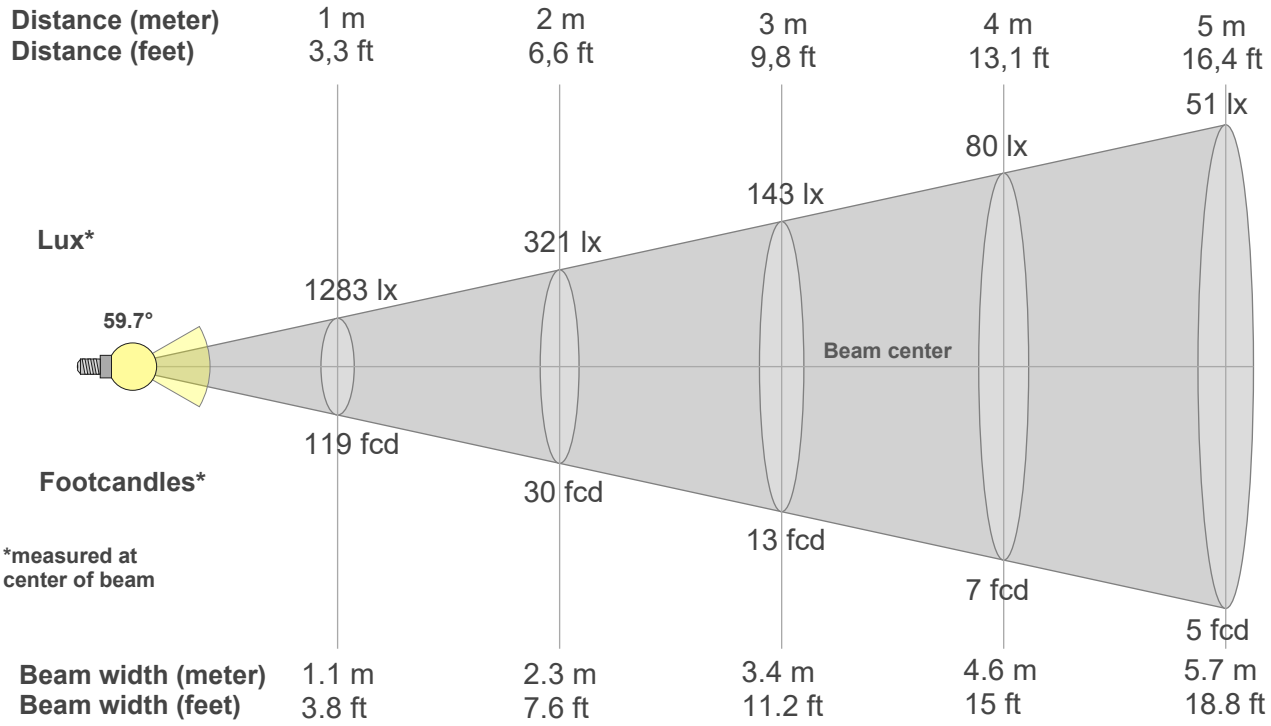


Color distortion





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
1283lx	321lx	143lx	80lx	51lx	36lx	26lx	20lx	16lx	13lx	11lx	9lx	8lx	7lx	6lx	5lx	4lx	4lx	4lx	3lx
119.2fc	29.8fcd	13.2fcd	7.4fcd	4.8fcd	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°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1283	1275	1256	1228	1190	1139	1082	1025	970	917	867	819	774	729	685	638	565	456	323	188
100%	99%	98%	96%	93%	89%	84%	80%	76%	72%	68%	64%	60%	57%	53%	50%	44%	36%	25%	15%

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°
1283	1275	1256	1228	1190	1139	1082	1025	970	917	867	819	774	729	685	638	565	456	323	188
100%	99%	98%	96%	93%	89%	84%	80%	76%	72%	68%	64%	60%	57%	53%	50%	44%	36%	25%	15%

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°
1283	1275	1256	1228	1190	1139	1082	1025	970	917	867	819	774	729	685	638	565	456	323	188
100%	99%	98%	96%	93%	89%	84%	80%	76%	72%	68%	64%	60%	57%	53%	50%	44%	36%	25%	15%

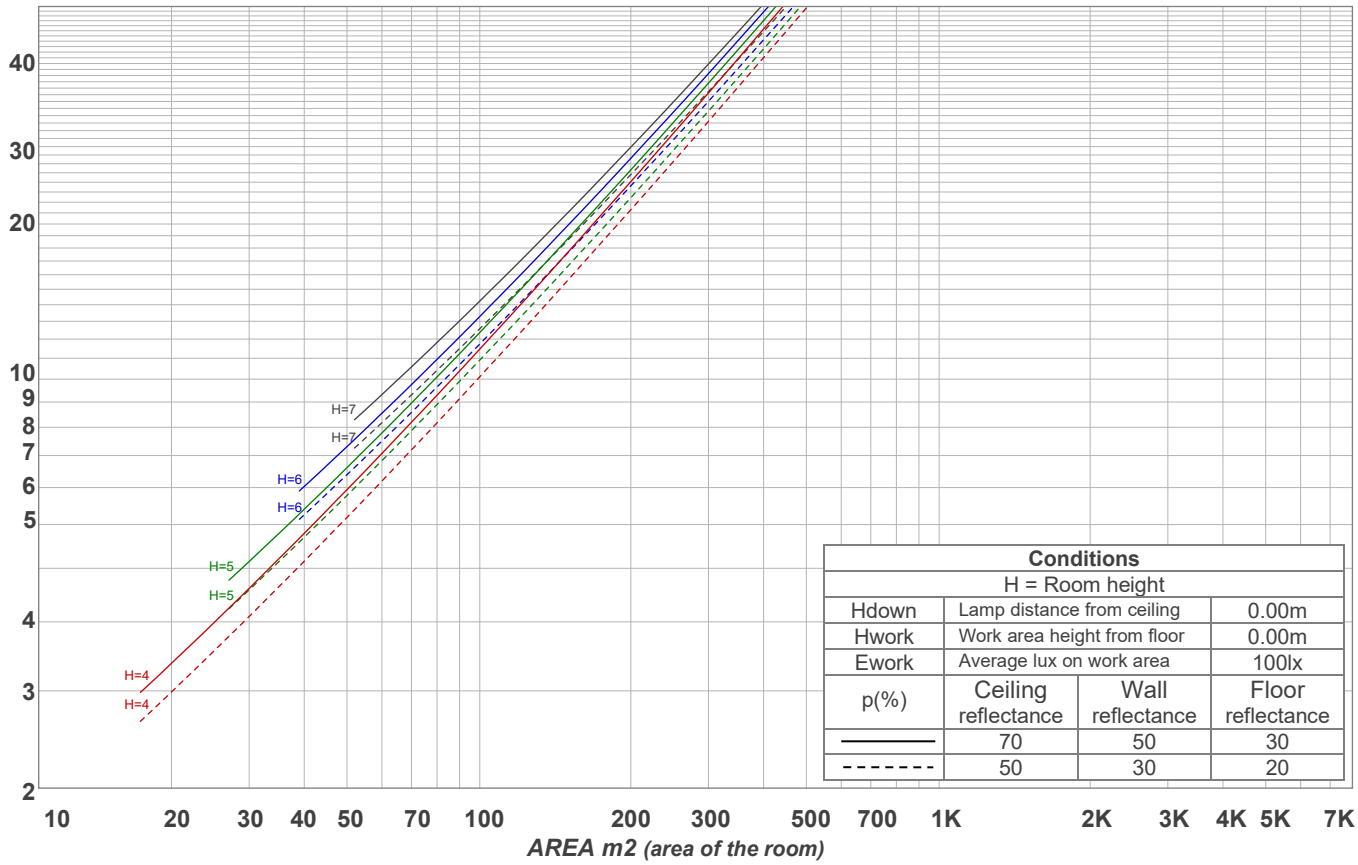
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1283	1275	1256	1228	1190	1139	1082	1025	970	917	867	819	774	729	685	638	565	456	323	188
100%	99%	98%	96%	93%	89%	84%	80%	76%	72%	68%	64%	60%	57%	53%	50%	44%	36%	25%	15%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
59.7°	78.2°	86.7°	99.2%	97.6%

Light planning

Luminaire budgetary diagram



Conditions		
H = Room height		
Hdown	Lamp distance from ceiling	0.00m
Hwork	Work area height from floor	0.00m
Ework	Average lux on work area	100lx
p(%)	Ceiling reflectance	Wall reflectance	Floor reflectance
———	70	50	30
- - - - - - -	50	30	20

Luminaire budgetary diagram

AREA m2 (area of the room)

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	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	78	76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	73	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59
9	76	67	61	57	75	66	61	57	66	60	57	65	60	57	64	60	57	55
10	73	63	58	54	72	63	58	54	62	57	54	61	57	54	61	56	53	52

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
115 lm	279 lm	345 lm	230 lm	23.6 lm	9.34 lm	4.45 lm	1.58 lm	1.85 lm

90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm