Light efficiency:

69 Lumen/Watt

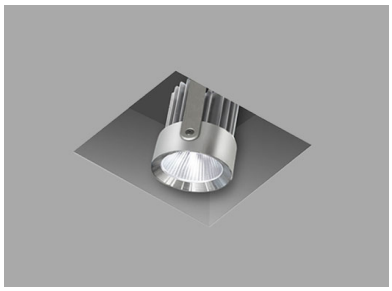
Light quality:

CRI: 93.4

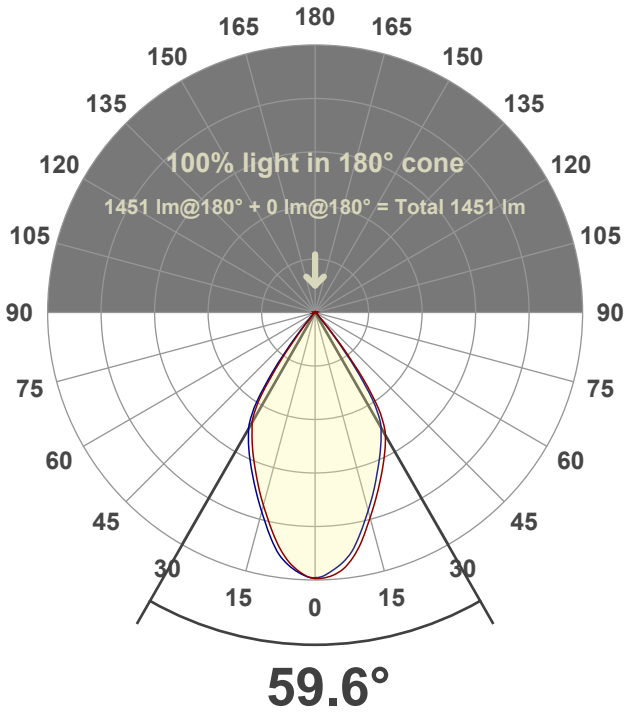
Output: 1451 lm

Peak: 1849 cd

Power: 20.9 W



Beam angle



59.6°

Test number:
JTZ5-4-C20-30-60

Luminaire Model:
JTZ5-4-C20-30-60

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

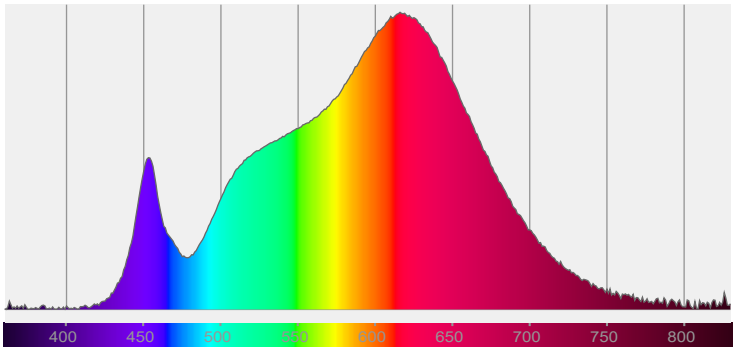
LUM: 1451

Primary Optic = 59.6°

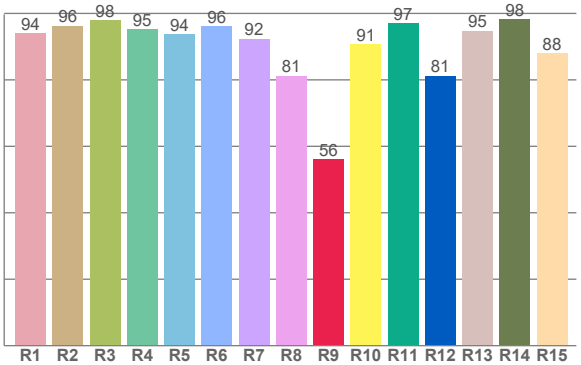
2987 K

***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

 As a result of our continuous improvement, values are subject to change without notice. These are delivered results and can vary +/- 10% from published source data range.

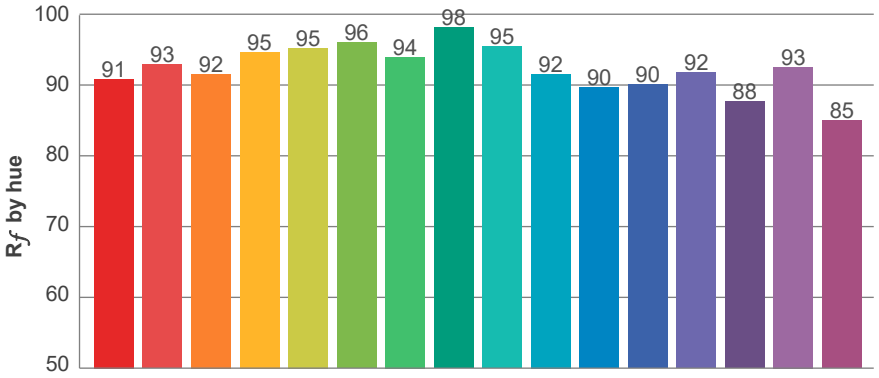
R_f 92.3

Fidelity index R_f

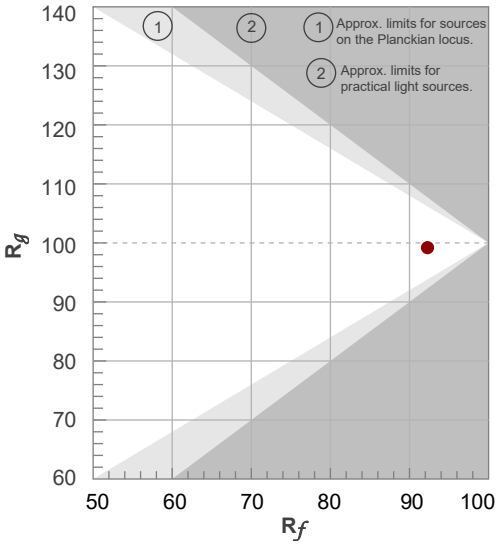
R_g 99.2

Gammut index R_g

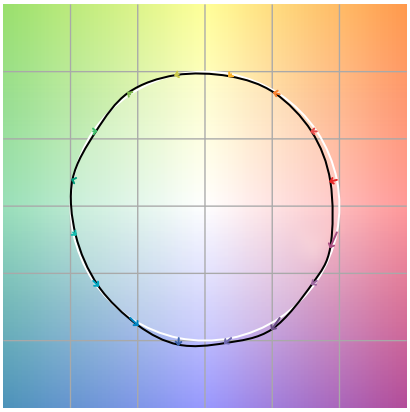
TM-30Color

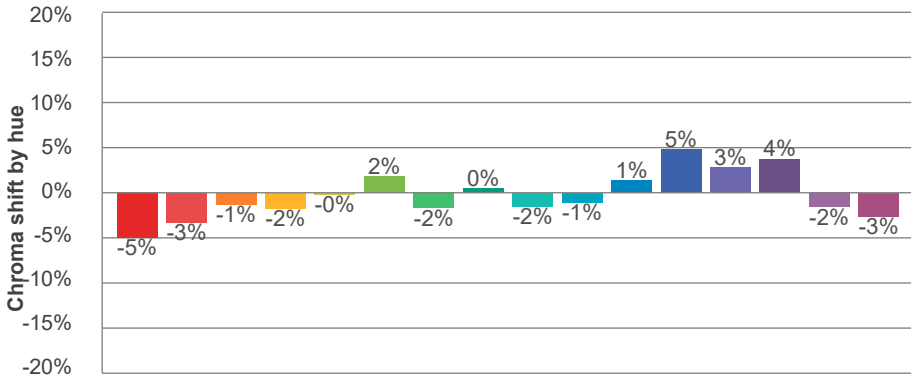


		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	91	-5%	-0%
2	93	-3%	2%
3	92	-1%	4%
4	95	-2%	1%
5	95	-0%	3%
6	96	2%	1%
7	94	-2%	-1%
8	98	0%	-0%
9	95	-2%	2%
10	92	-1%	5%
11	90	1%	7%
12	90	5%	1%
13	92	3%	-5%
14	88	4%	-9%
15	93	-2%	-4%
16	85	-3%	-12%



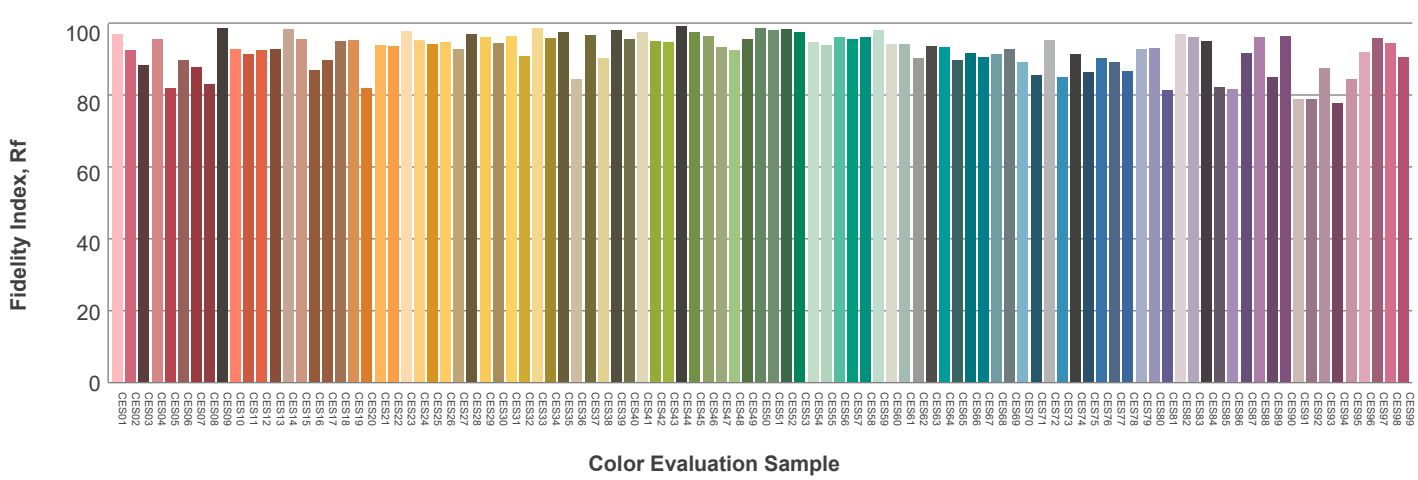
Color vector graphics



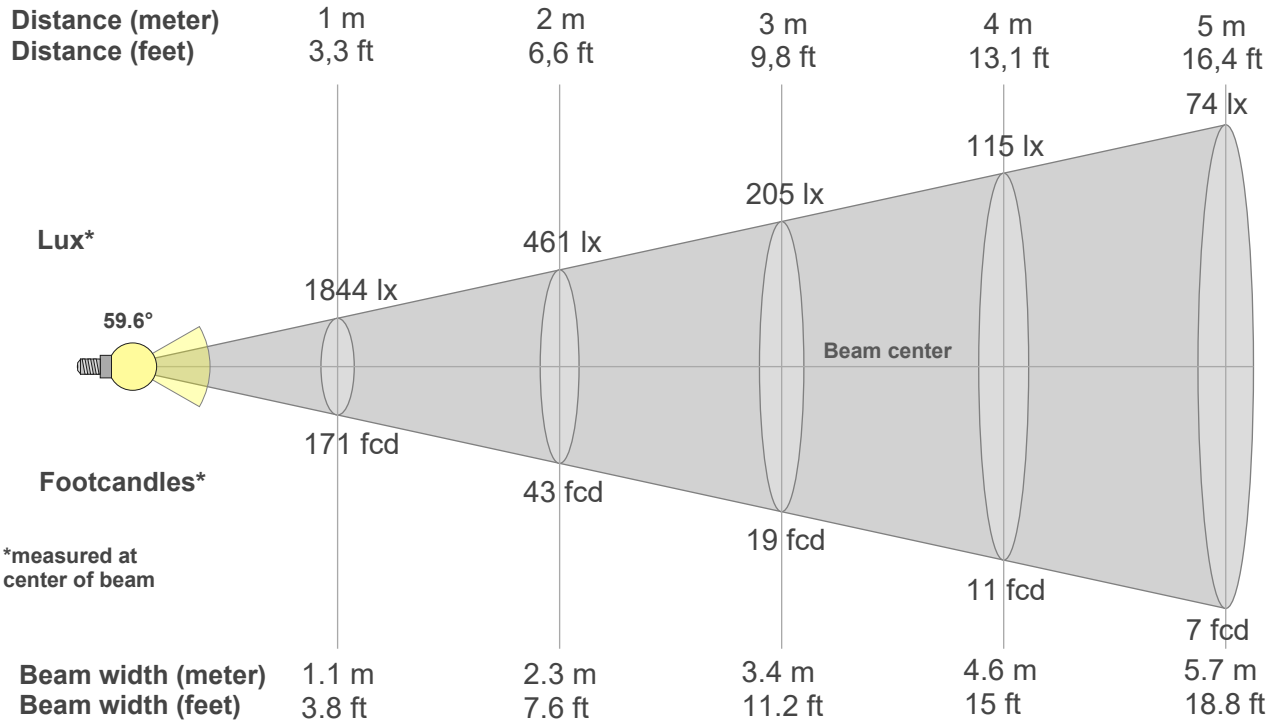


Color distortion





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
1844lx	461lx	205lx	115lx	74lx	51lx	38lx	29lx	23lx	18lx	15lx	13lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx	5lx
171.3fc	42.8fcd	19fcd	10.7fcd	6.9fcd	4.8fcd	3.5fcd	2.7fcd	2.1fcd	1.7fcd	1.4fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd

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°
1844	1845	1830	1798	1746	1680	1602	1517	1439	1365	1294	1227	1162	1100	1040	972	879	746	561	341
100%	100%	99%	98%	95%	91%	87%	82%	78%	74%	70%	67%	63%	60%	56%	53%	48%	40%	30%	19%

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°
1844	1828	1795	1756	1702	1631	1549	1466	1387	1312	1238	1168	1103	1040	977	911	811	663	464	263
100%	99%	97%	95%	92%	88%	84%	80%	75%	71%	67%	63%	60%	56%	53%	49%	44%	36%	25%	14%

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°
1844	1829	1793	1744	1676	1596	1511	1428	1350	1273	1199	1130	1064	999	934	868	755	584	373	178
100%	99%	97%	95%	91%	87%	82%	77%	73%	69%	65%	61%	58%	54%	51%	47%	41%	32%	20%	10%

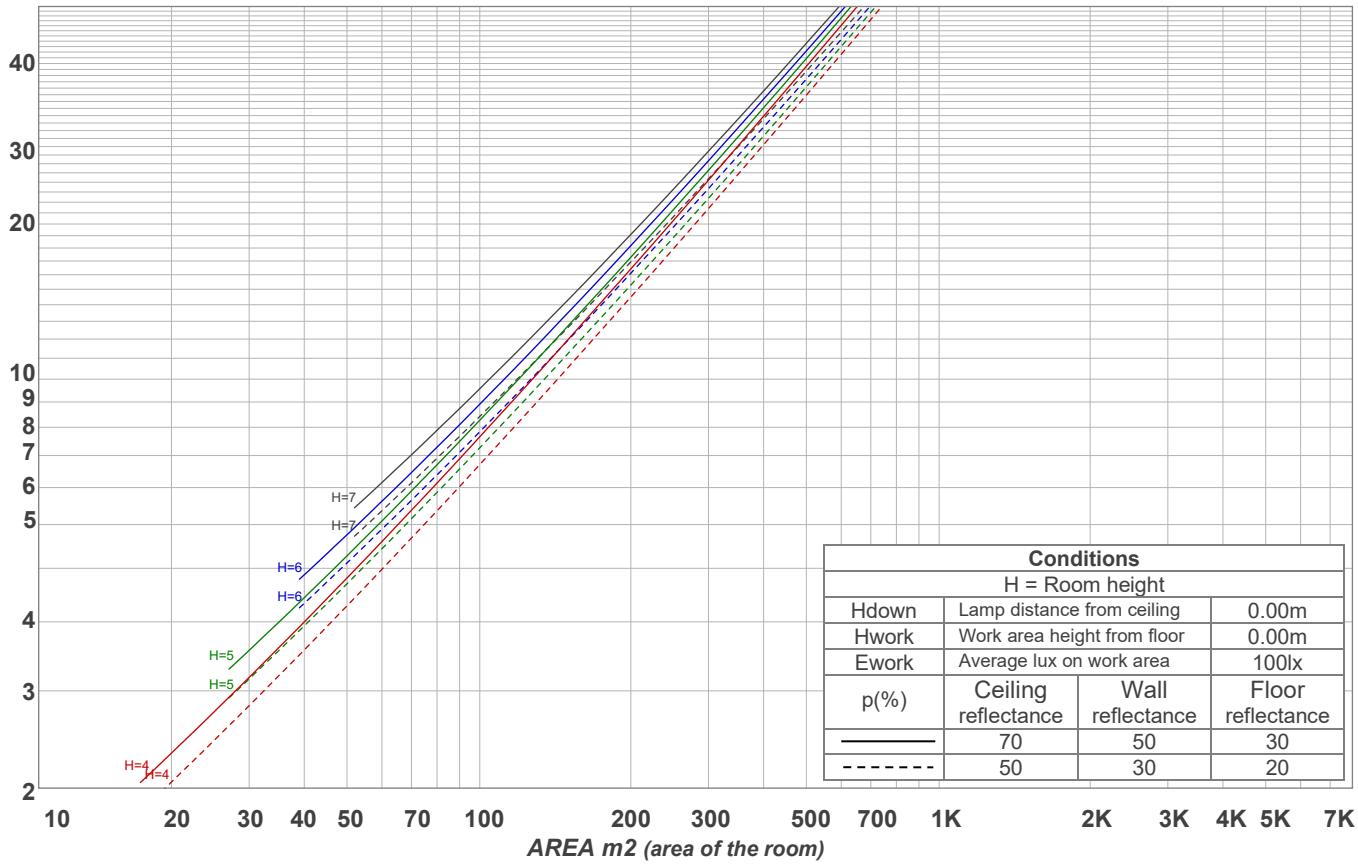
Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1844	1832	1805	1767	1714	1642	1560	1475	1395	1320	1248	1180	1115	1052	987	918	814	661	463	259
100%	99%	98%	96%	93%	89%	85%	80%	76%	72%	68%	64%	60%	57%	54%	50%	44%	36%	25%	14%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
59.6°	77.9°	86.1°	99.2%	97.6%

Light planning

Luminaire budgetary diagram



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	97	92	88	101	95	91	87	93	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	79	75	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	65	72	68	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	61	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°
166 lm	401 lm	495 lm	333 lm	31.4 lm	13.4 lm	6.42 lm	2.26 lm	2.77 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