

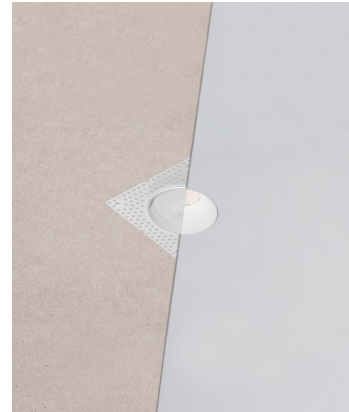
Light efficiency:

52 Lumen/Watt

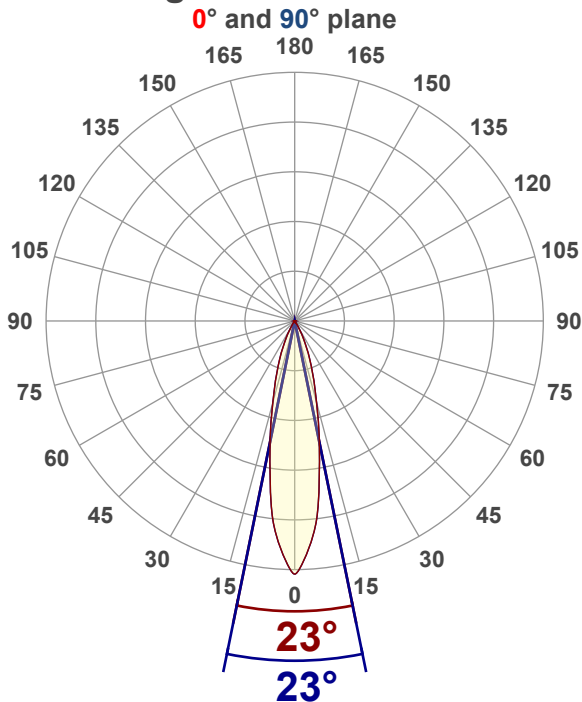
Color temperature:

3133 K

Light quality:

CRI:93.3, R_g:102.2, R_f:91.3**R9: 74.4 / P: 2 / V: - / F: 2****Output: 958 lm****Peak: 4192 cd****Power: 18.5 W****Voltage: 119 V****Current: 0.157 A****PF: 0.99****THD: 11.97 %**

Angular Distribution



Product name:

S241XX-MDWSC-TX-XX

Test Date:

8/27/2026

Beam Angle (50% of the brightness of the centre):

23°

Field Angle (10% of the brightness of the centre):

50.5°

Cut Off Angle (2.5% of the brightness of the centre):

62.9°

Beam Details

*measured at centre of beam

Mounting Height (feet)\(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	2820 lx	262 fc	1.6 ft / 0.5 m
8 ft / 2.4 m	705 lx	65 fc	3.3 ft / 1 m
12 ft / 3.7 m	313 lx	29 fc	4.9 ft / 1.5 m
16 ft / 4.9 m	176 lx	16 fc	6.5 ft / 2 m
20 ft / 6.1 m	113 lx	10 fc	8.1 ft / 2.5 m

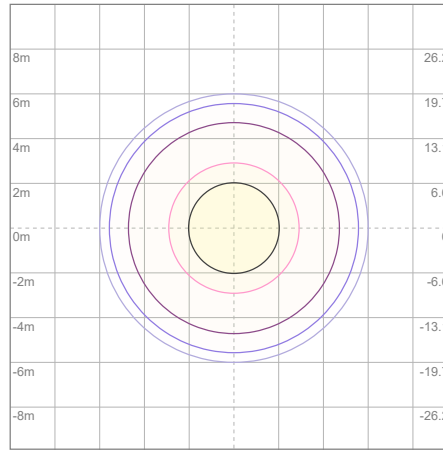
Beam center

Photometric Testing Report

Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	913	95.30%
0-40	945	98.64%
0-60	954	99.58%
60-90	2.18	0.23%
70-100	0.957	0.10%
90-120	0.742	0.08%
0-90	956	99.79%
90-180	1.96	0.20%
0-180	958	100.00%

ISO Lux Diagram



Lux at center:	451 lx
3%	13.53 lx
5%	22.55 lx
10%	45.10 lx
30%	135.30 lx
50%	225.50 lx

Conditions:

Number of planes: 8

Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface.

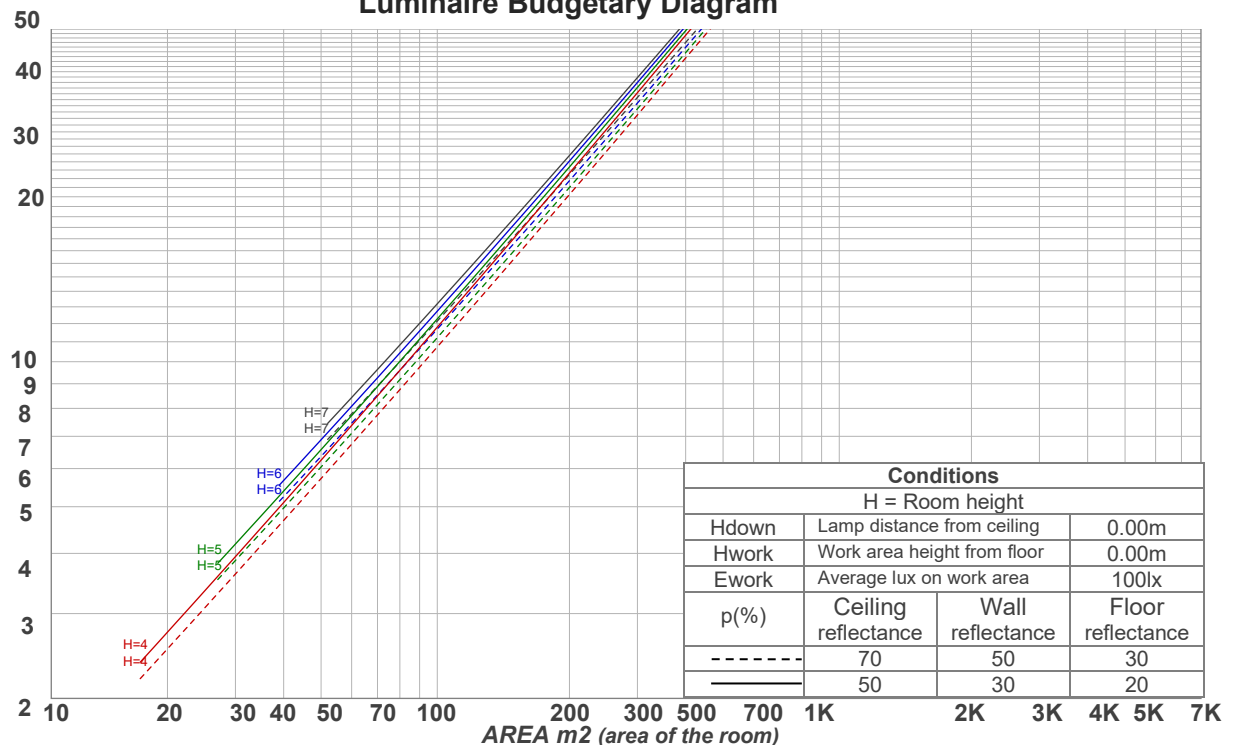
Mounting height: 3.05 meters (10 feet)

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	115	113	111	109	112	111	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	102	109	106	103	100	102	100	98	99	98	96	97	95	94	93
3	107	102	99	96	105	101	98	95	99	96	93	96	94	92	94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	91	89	87	86
5	100	94	90	87	99	94	90	87	92	88	86	90	87	85	89	86	84	83
6	97	91	87	84	96	90	86	83	89	85	83	88	85	82	86	84	82	81
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78
8	92	85	81	78	91	84	80	78	83	80	77	83	79	77	82	79	77	76
9	89	82	78	75	88	82	78	75	81	77	75	80	77	75	79	77	74	73
10	87	80	76	73	86	79	75	73	79	75	73	78	75	72	77	74	72	71

LAMPS (number of lamps)

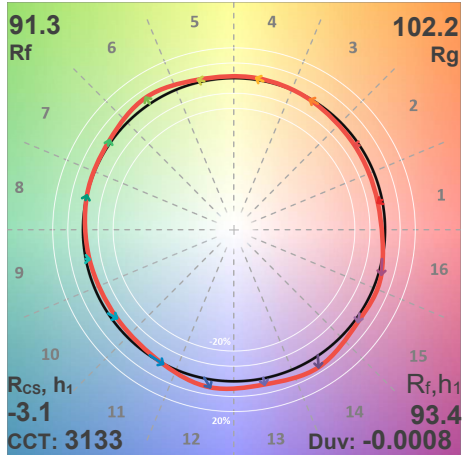
Luminaire Budgetary Diagram



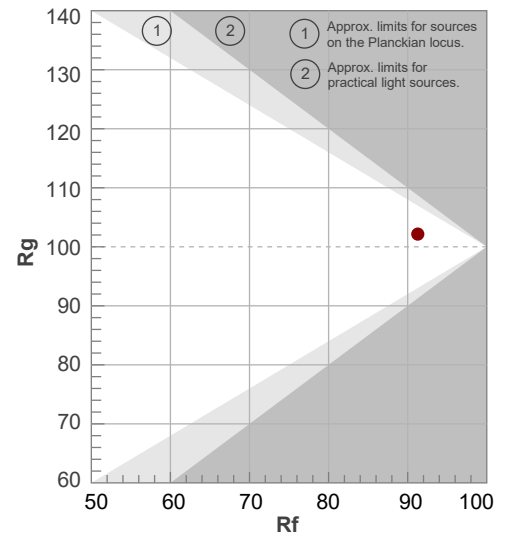
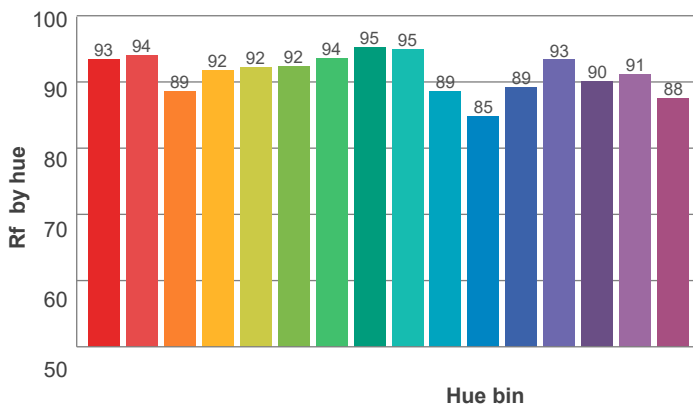
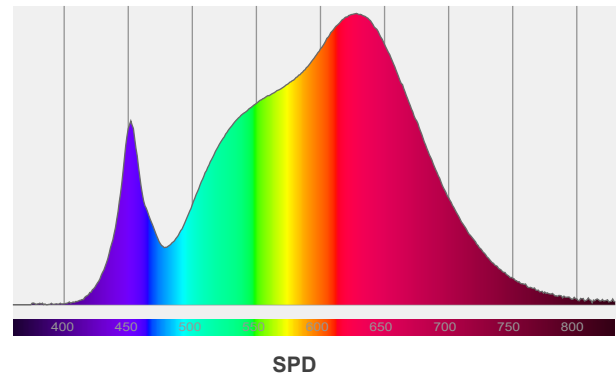
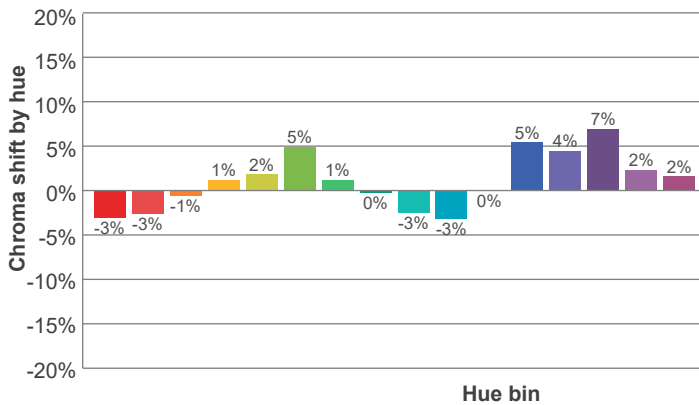
Photometric Testing Report

ANSI/IES TM-30-18

P: 2 / V: - / F: 2



Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	93	-3%	-1%
2	94	-3%	2%
3	89	-1%	6%
4	92	1%	5%
5	92	2%	4%
6	92	5%	0%
7	94	1%	-4%
8	95	0%	-3%
9	95	-3%	1%
10	89	-3%	6%
11	85	0%	10%
12	89	5%	5%
13	93	4%	0%
14	90	7%	-4%
15	91	2%	-5%
16	88	2%	-10%



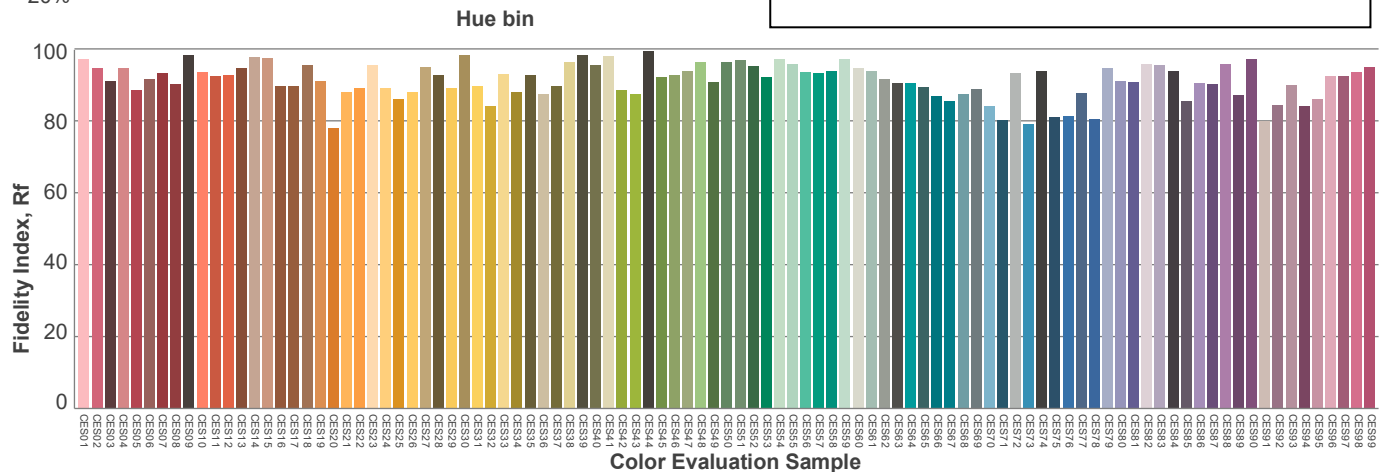
Red: 39.2%, Power=10.7mW

Blue: 8.2%, Power=4.9mW

Green: 24.4%, Power=12.3mW

UVA: 0%, Power=0.1mW

Dominant Wavelength: 583nm

1st Peak Wavelength: 628nm2nd Peak Wavelength: 452nm

Glare Evaluation According to UGR

Corrected, comprehensive UGR table according to 117-1995, S/H ratio=0.25

p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size H = mounting height above eye level X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	13.0	13.4	13.0	13.6	13.8	13.0	13.4	13.0	13.6	13.8
	3H	12.7	13.3	13.1	13.5	13.6	12.7	13.3	13.1	13.5	13.6
	4H	12.6	13.2	13.0	13.4	13.7	12.6	13.2	13.0	13.4	13.7
	6H	12.6	13.1	12.9	13.4	13.7	12.6	13.1	12.9	13.4	13.7
	8H	12.6	13.0	12.9	13.4	13.8	12.6	13.0	12.9	13.4	13.8
	12H	12.6	13.0	12.9	13.4	13.8	12.6	13.0	12.9	13.4	13.8
4H	2H	12.6	13.2	13.0	13.4	13.6	12.6	13.2	13.0	13.4	13.6
	3H	12.6	13.0	12.9	13.4	13.8	12.6	13.0	12.9	13.4	13.8
	4H	12.4	12.9	12.9	13.3	13.8	12.4	12.9	12.9	13.3	13.8
	6H	12.4	12.8	12.9	13.2	13.5	12.4	12.8	12.9	13.2	13.5
	8H	12.3	12.8	12.9	13.1	13.5	12.3	12.8	12.9	13.1	13.5
	12H	12.3	12.6	12.8	13.0	13.5	12.3	12.6	12.8	13.0	13.5
8H	4H	12.3	12.7	12.8	13.1	13.4	12.3	12.7	12.8	13.1	13.4
	6H	12.3	12.5	12.8	13.0	13.5	12.3	12.5	12.8	13.0	13.5
	8H	12.3	12.5	12.8	13.0	13.6	12.3	12.5	12.8	13.0	13.6
	12H	12.3	12.5	12.9	13.0	13.6	12.3	12.5	12.9	13.0	13.6
12H	4H	12.2	12.6	12.7	13.0	13.4	12.2	12.6	12.7	13.0	13.4
	6H	12.3	12.5	12.8	13.0	13.6	12.3	12.5	12.8	13.0	13.6
	8H	12.2	12.4	12.8	12.9	13.5	12.2	12.4	12.8	12.9	13.5
Variation of the observer position for the luminaire distance S											
S = 1.0H		6.0 / -6.4					6.0 / -6.4				
S = 1.5H		8.8 / -6.9					8.8 / -6.9				
S = 2.0H		10.7 / -7.9					10.7 / -7.9				
Corrected glare indices referring to 958 lm total luminous flux											