

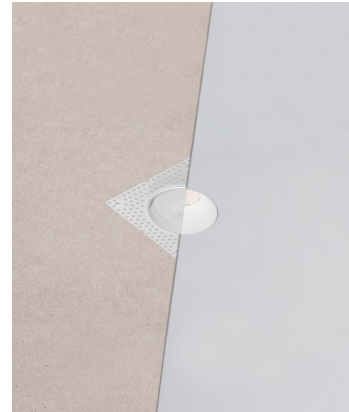
Light efficiency:

58 Lumen/Watt

Color temperature:

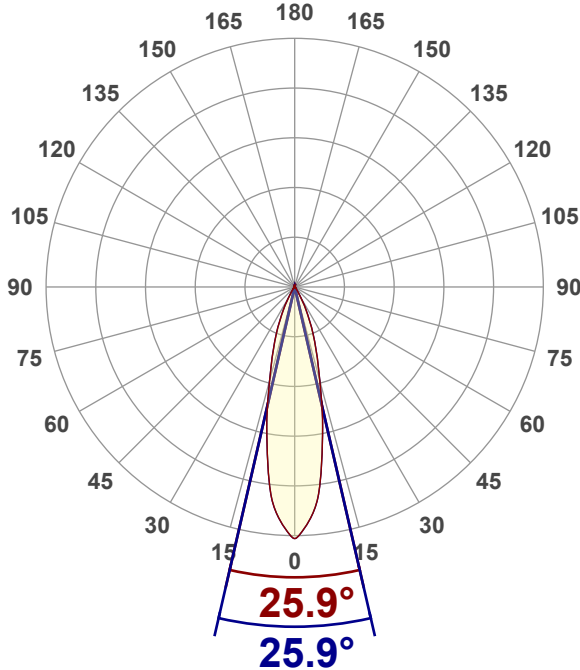
3136 K

Light quality:

CRI:93.2, R_g:102.0, R_f:91.3**R9: 73.9 / P: 2 / V: - / F: 2****Output: 1071 lm****Peak: 4071 cd****Power: 18.5 W****Voltage: 120 V****Current: 0.156 A****PF: 0.99****THD: 11.89 %**

Angular Distribution

0° and 90° plane



Product name:

S241XX-MDWNC-TX-XX

Test Date:

8/27/2026

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

25.9°

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

53.1°

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

67°

Beam Details

*measured at centre of beam

Mounting Height (feet)\(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	2739 lx	254 fc	1.8 ft / 0.6 m
8 ft / 2.4 m	685 lx	64 fc	3.7 ft / 1.1 m
12 ft / 3.7 m	304 lx	28 fc	5.5 ft / 1.7 m
16 ft / 4.9 m	171 lx	16 fc	7.4 ft / 2.2 m
20 ft / 6.1 m	110 lx	10 fc	9.2 ft / 2.8 m

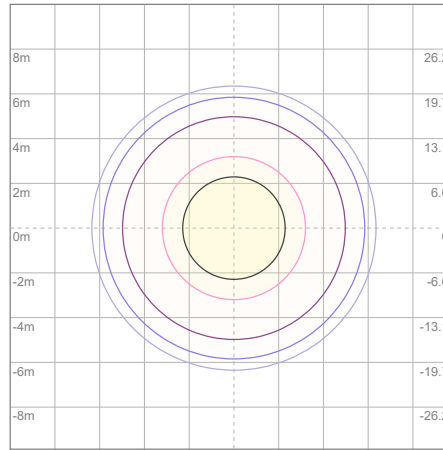
Beam center

Photometric Testing Report

Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	1012	94.49%
0-40	1059	98.88%
0-60	1067	99.63%
60-90	2.16	0.20%
70-100	1.03	0.10%
90-120	0.931	0.09%
0-90	1069	99.81%
90-180	2.18	0.20%
0-180	1071	100.00%

ISO Lux Diagram



Mounting height: 3.05 meters (10 feet)

Lux at center:	438 lx
3%	13.14 lx
5%	21.90 lx
10%	43.80 lx
30%	131.40 lx
50%	219.00 lx

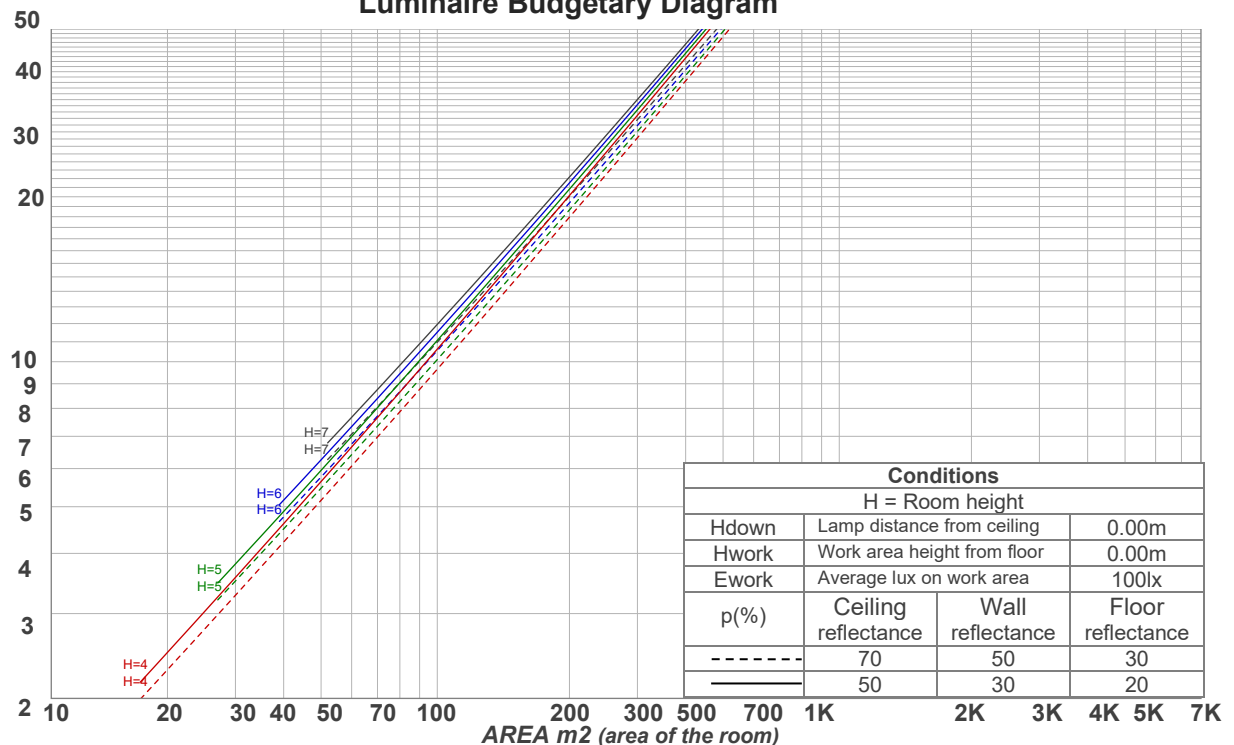
Conditions:
Number of planes: 8
Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface.

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	110	109	107	106	105	104	103	102	101	99	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89
4	103	98	93	90	102	97	93	90	95	91	89	93	90	88	91	89	87	85
5	100	94	89	86	98	93	89	86	91	88	85	90	87	84	88	86	84	82
6	97	90	86	82	95	89	85	82	88	84	82	87	84	81	86	83	81	79
7	94	87	82	79	93	86	82	79	85	81	79	84	81	78	83	80	78	77
8	91	84	79	76	90	83	79	76	82	79	76	81	78	76	81	78	75	74
9	88	81	77	74	87	81	76	74	80	76	73	79	76	73	78	75	73	72
10	86	78	74	71	85	78	74	71	77	74	71	77	73	71	76	73	71	70

LAMPS (number of lamps)

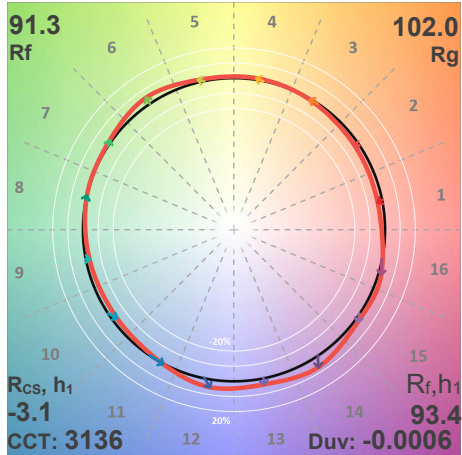
Luminaire Budgetary Diagram



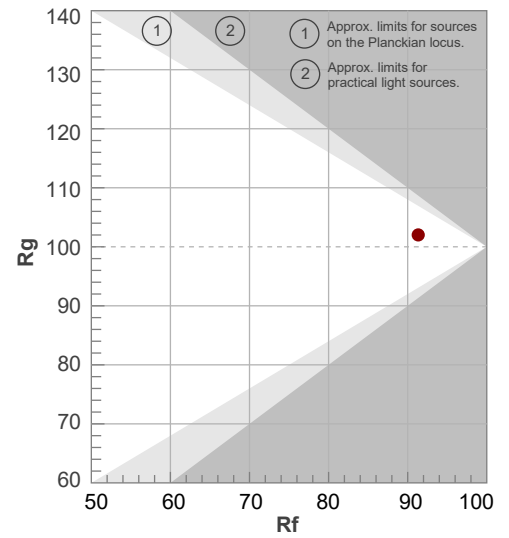
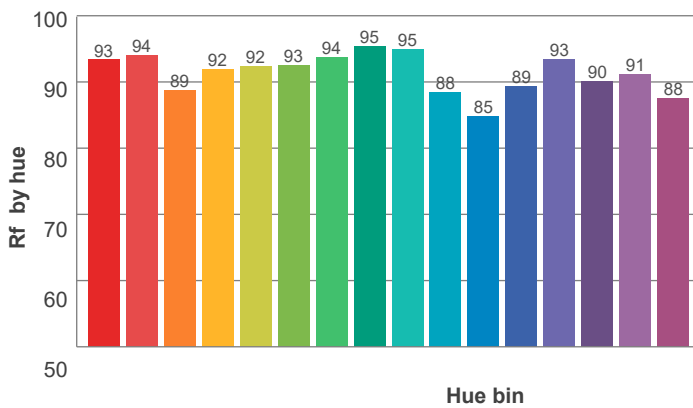
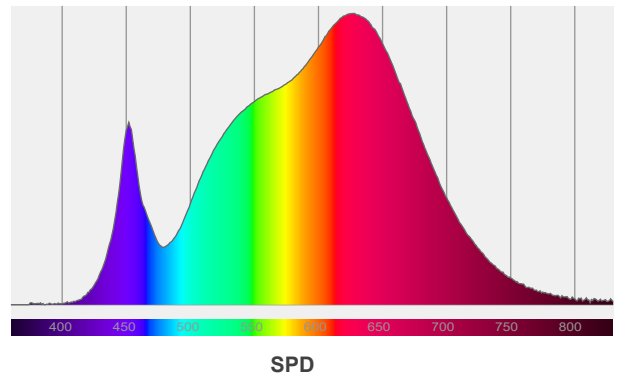
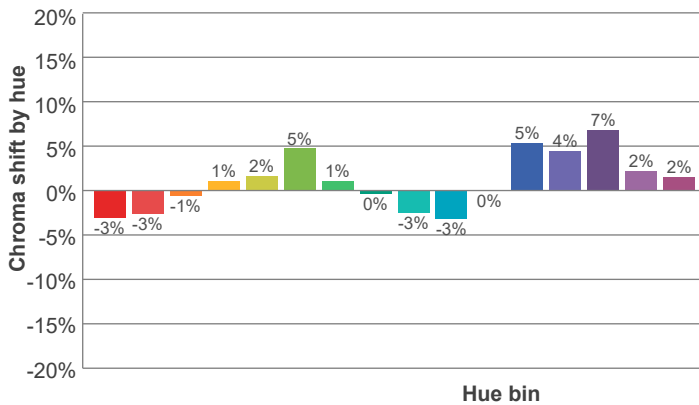
Photometric Testing Report

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	93	5%	0%
7	94	1%	-3%
8	95	0%	-3%
9	95	-3%	1%
10	88	-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%



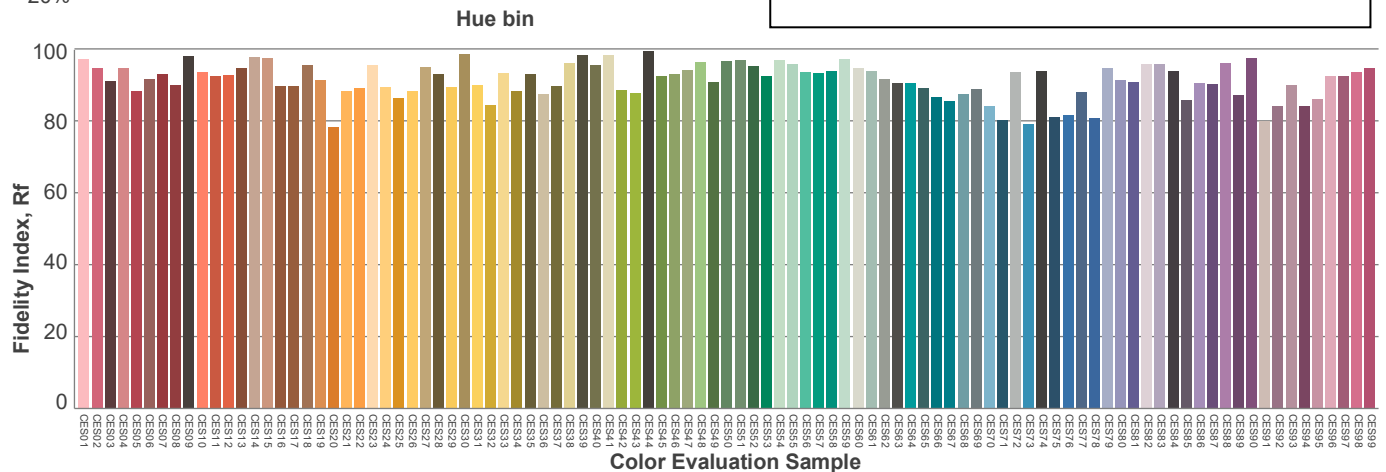
Red: 39.2%, Power=12.0mW

Blue: 8.2%, Power=5.5mW

Green: 24.4%, Power=13.8mW

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	14.5	14.9	14.5	15.1	15.3	14.5	14.9	14.5	15.1	15.3
	3H	14.2	14.8	14.6	15.0	15.2	14.2	14.8	14.6	15.0	15.2
	4H	14.1	14.7	14.5	14.9	15.2	14.1	14.7	14.5	14.9	15.2
	6H	14.1	14.6	14.4	14.9	15.2	14.1	14.6	14.4	14.9	15.2
	8H	14.1	14.5	14.4	14.9	15.2	14.1	14.5	14.4	14.9	15.2
	12H	14.0	14.5	14.4	14.8	15.3	14.0	14.5	14.4	14.8	15.3
4H	2H	14.1	14.7	14.5	14.9	15.1	14.1	14.7	14.5	14.9	15.1
	3H	14.0	14.5	14.4	14.8	15.3	14.0	14.5	14.4	14.8	15.3
	4H	13.9	14.3	14.3	14.7	15.3	13.9	14.3	14.3	14.7	15.3
	6H	13.8	14.3	14.3	14.6	15.0	13.8	14.3	14.3	14.6	15.0
	8H	13.8	14.2	14.3	14.6	14.9	13.8	14.2	14.3	14.6	14.9
	12H	13.7	14.1	14.2	14.5	14.9	13.7	14.1	14.2	14.5	14.9
8H	4H	13.8	14.2	14.3	14.5	14.9	13.8	14.2	14.3	14.5	14.9
	6H	13.7	14.0	14.2	14.4	15.0	13.7	14.0	14.2	14.4	15.0
	8H	13.7	13.9	14.2	14.5	15.1	13.7	13.9	14.2	14.5	15.1
	12H	13.7	13.9	14.3	14.4	15.0	13.7	13.9	14.3	14.4	15.0
12H	4H	13.7	14.0	14.2	14.4	14.9	13.7	14.0	14.2	14.4	14.9
	6H	13.7	13.9	14.2	14.4	15.1	13.7	13.9	14.2	14.4	15.1
	8H	13.7	13.8	14.3	14.4	15.0	13.7	13.8	14.3	14.4	15.0
Variation of the observer position for the luminaire distance S											
S = 1.0H		6.3 / -8.3					6.3 / -8.3				
S = 1.5H		9.0 / -8.8					9.0 / -8.8				
S = 2.0H		11.0 / -9.9					11.0 / -9.9				
Corrected glare indices referring to 1071 lm total luminous flux											