

Light efficiency:

90 Lumen/Watt

Color temperature:

3090 K

Light quality:

CRI:93.4, R_g:102.9, R_f:91.6

R9: 73.5 / P: 2 / V: - / F: 2

Output: 1009 lm

Peak: 3831 cd

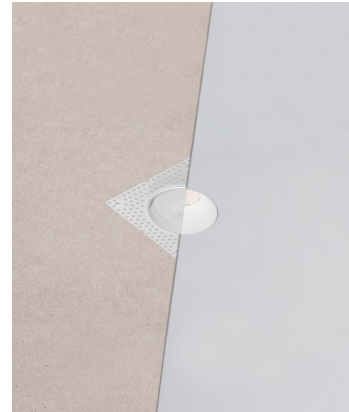
Power: 11.2 W

Voltage: 119 V

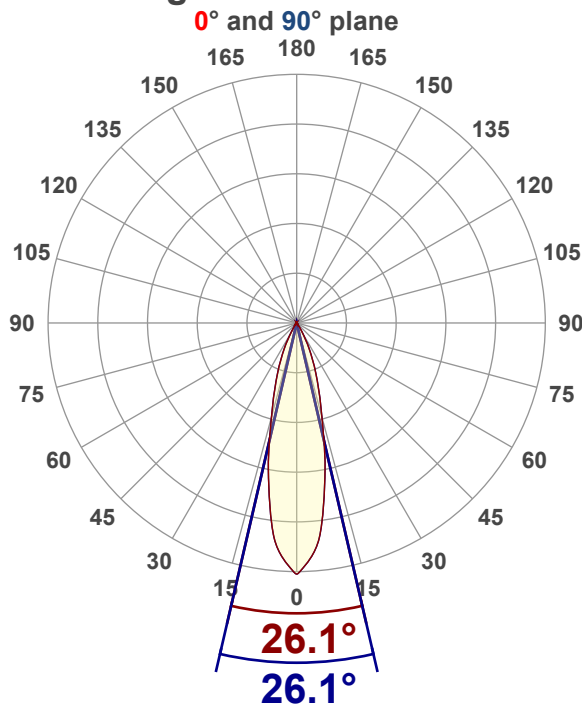
Current: 0.096 A

PF: 0.98

THD: 7.47 %



Angular Distribution



Product name:

S241XX-C30NC-TX-XX

Test Date:

8/21/2026

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

26.1°

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

53.7°

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

66.9°

Beam Details

*measured at centre of beam

Mounting Height (feet)\(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	2577 lx	239 fc	1.9 ft / 0.6 m
8 ft / 2.4 m	644 lx	60 fc	3.7 ft / 1.1 m
12 ft / 3.7 m	286 lx	27 fc	5.6 ft / 1.7 m
16 ft / 4.9 m	161 lx	15 fc	7.4 ft / 2.3 m
20 ft / 6.1 m	103 lx	10 fc	9.3 ft / 2.8 m

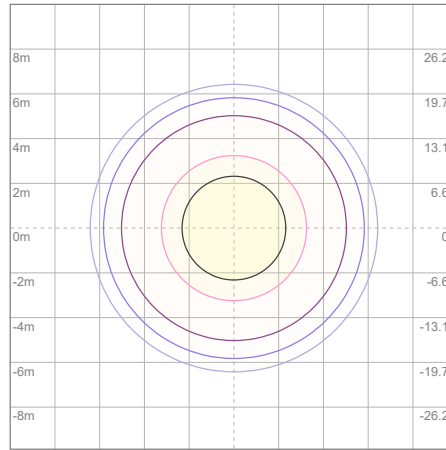
Beam center

Photometric Testing Report

Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	959	95.04%
0-40	1003	99.41%
0-60	1008	99.90%
60-90	0.867	0.09%
70-100	0.193	0.02%
90-120	0.053	0.01%
0-90	1009	100.00%
90-180	0.551	0.05%
0-180	1009	100.00%

ISO Lux Diagram



Lux at center:	412 lx
3%	12.36 lx
5%	20.60 lx
10%	41.20 lx
30%	123.60 lx
50%	206.00 lx

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

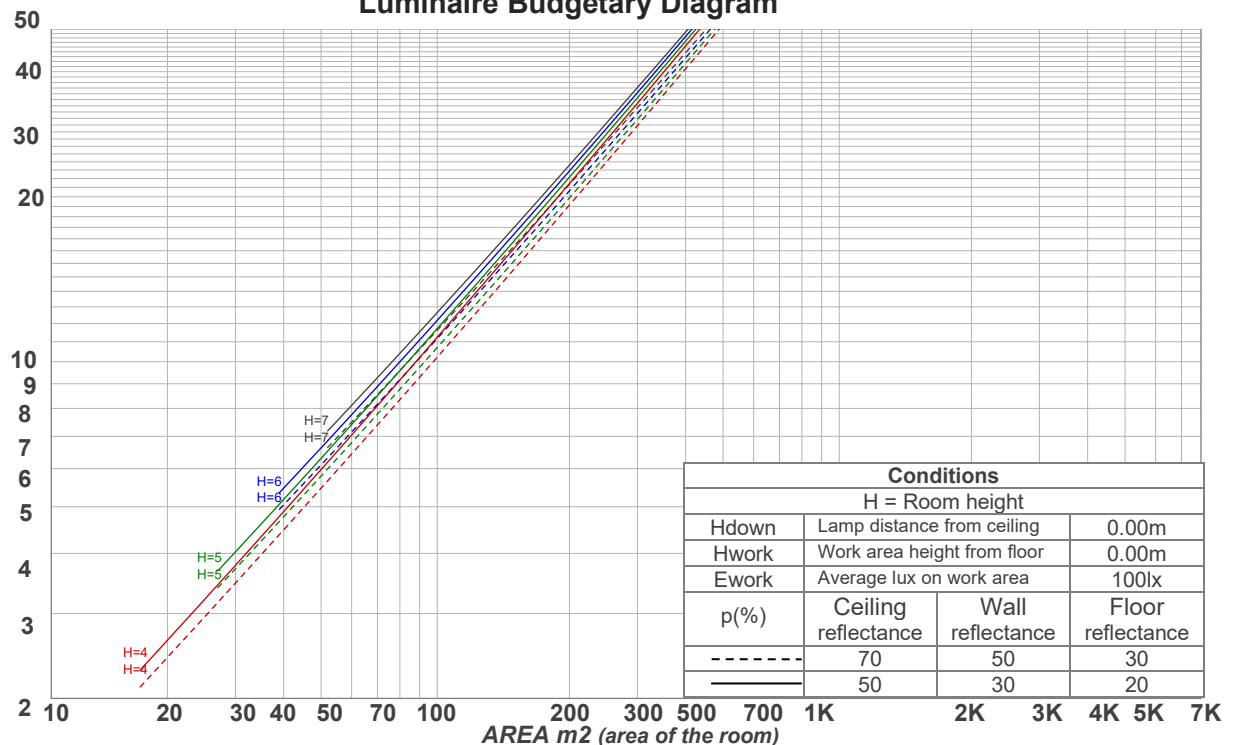
Mounting height: 3.05 meters (10 feet)

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

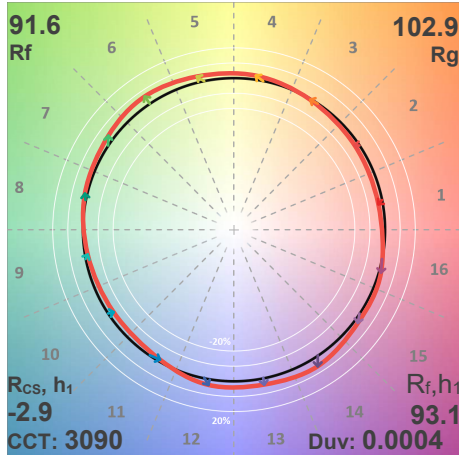
LAMPS (number of lamps)

Luminaire Budgetary Diagram

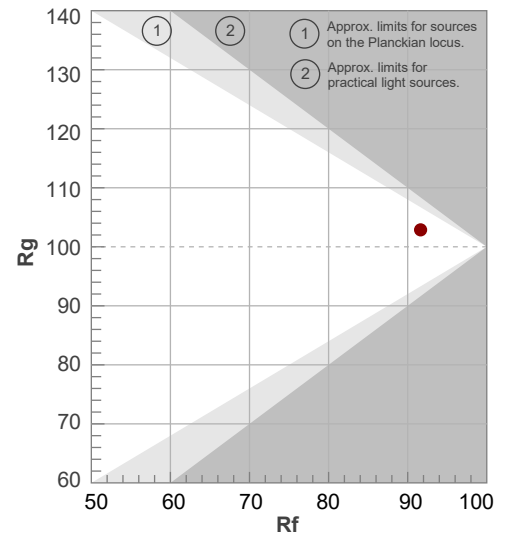
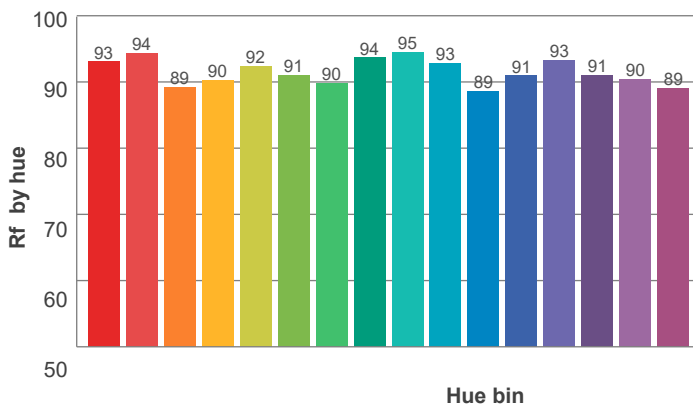
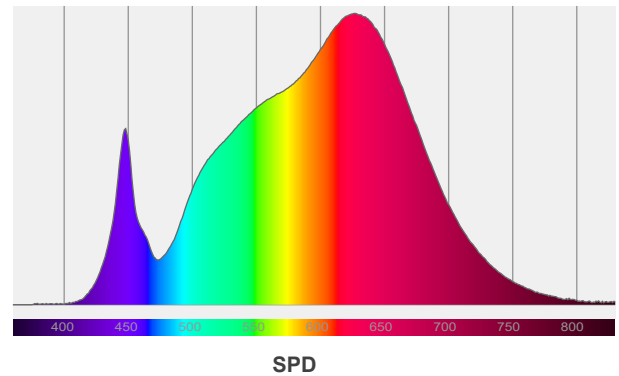
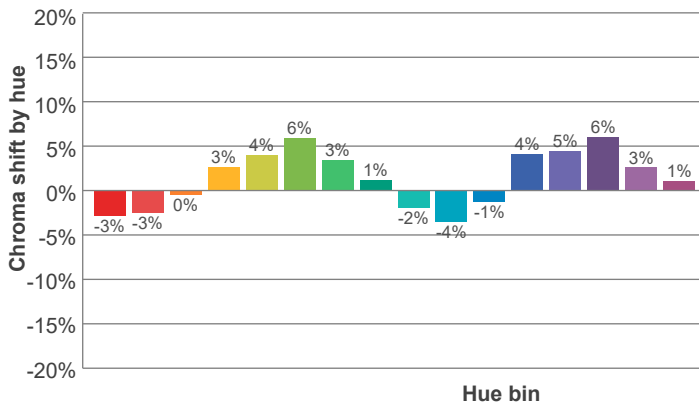


ANSI/IES TM-30-18

P: 2 / V: - / F: 2



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



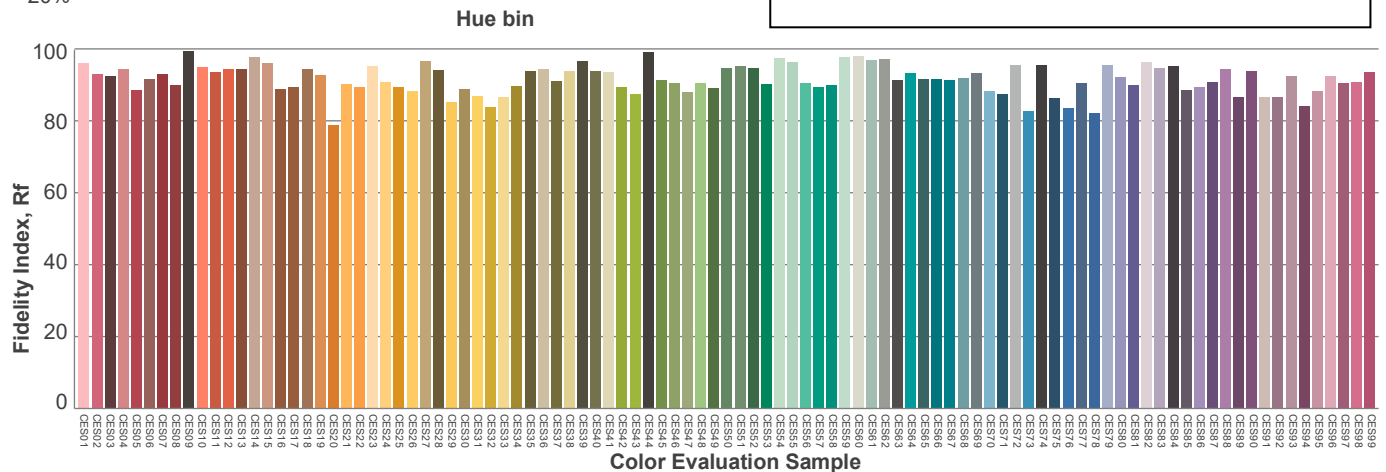
Red: 39.2%, Power=11.1mW

Blue: 6.6%, Power=3.3mW

Green: 24.9%, Power=12.7mW

UVA: 0%, Power=0.0mW

Dominant Wavelength: 583nm

1st Peak Wavelength: 627nm2nd Peak Wavelength: 448nm

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	13.7	14.2	13.8	14.4	14.5	13.7	14.2	13.8	14.4	14.5
	3H	13.4	14.0	13.8	14.2	14.4	13.4	14.0	13.8	14.2	14.4
	4H	13.3	13.9	13.7	14.1	14.4	13.3	13.9	13.7	14.1	14.4
	6H	13.3	13.8	13.6	14.1	14.5	13.3	13.8	13.6	14.1	14.5
	8H	13.3	13.7	13.6	14.1	14.5	13.3	13.7	13.6	14.1	14.5
	12H	13.2	13.7	13.6	14.0	14.4	13.2	13.7	13.6	14.0	14.4
4H	2H	13.3	13.9	13.7	14.1	14.4	13.3	13.9	13.7	14.1	14.4
	3H	13.2	13.7	13.6	14.0	14.5	13.2	13.7	13.6	14.0	14.5
	4H	13.1	13.5	13.5	13.9	14.4	13.1	13.5	13.5	13.9	14.4
	6H	13.0	13.5	13.5	13.8	14.2	13.0	13.5	13.5	13.8	14.2
	8H	13.0	13.4	13.5	13.7	14.1	13.0	13.4	13.5	13.7	14.1
	12H	12.9	13.2	13.4	13.6	14.1	12.9	13.2	13.4	13.6	14.1
8H	4H	13.0	13.4	13.5	13.7	14.1	13.0	13.4	13.5	13.7	14.1
	6H	12.9	13.2	13.4	13.6	14.1	12.9	13.2	13.4	13.6	14.1
	8H	12.9	13.1	13.4	13.6	14.2	12.9	13.1	13.4	13.6	14.2
	12H	12.8	13.0	13.4	13.5	14.1	12.8	13.0	13.4	13.5	14.1
12H	4H	12.9	13.2	13.4	13.6	14.1	12.9	13.2	13.4	13.6	14.1
	6H	12.9	13.1	13.4	13.6	14.2	12.9	13.1	13.4	13.6	14.2
	8H	12.8	13.0	13.4	13.5	14.1	12.8	13.0	13.4	13.5	14.1
Variation of the observer position for the luminaire distance S											
S = 1.0H		6.6 / -13.9					6.6 / -13.9				
S = 1.5H		9.4 / -14.8					9.4 / -14.8				
S = 2.0H		11.4 / -18.1					11.4 / -18.1				
Corrected glare indices referring to 1009 lm total luminous flux											