

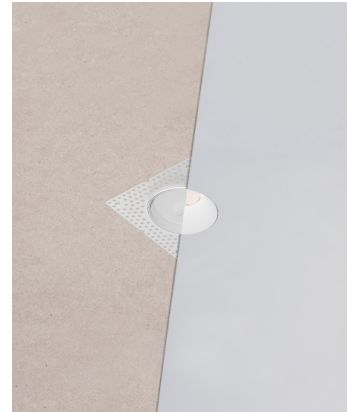
Light efficiency:

90 Lumen/Watt

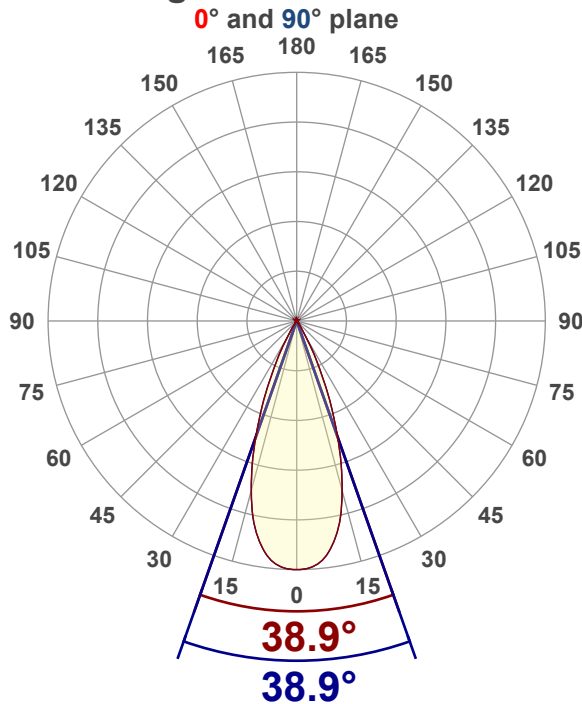
Color temperature:

3089 K

Light quality:

CRI:93.4, R_g:102.9, R_f:91.6**R9: 73.3 / P: 2 / V: - / F: 2****Output: 1004 lm****Peak: 2438 cd****Power: 11.2 W****Voltage: 120 V****Current: 0.095 A****PF: 0.98****THD: 7.88 %**

Angular Distribution



Product name:

S241XX-C30MC-TX-XX

Test Date:

8/20/2026

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

38.9°

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

59.1°

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

68.3°

Beam Details

*measured at centre of beam

Mounting Height (feet)\(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	1640 lx	152 fc	2.8 ft / 0.9 m
8 ft / 2.4 m	410 lx	38 fc	5.6 ft / 1.7 m
12 ft / 3.7 m	182 lx	17 fc	8.5 ft / 2.6 m
16 ft / 4.9 m	103 lx	10 fc	11.3 ft / 3.4 m
20 ft / 6.1 m	66 lx	6 fc	14.1 ft / 4.3 m

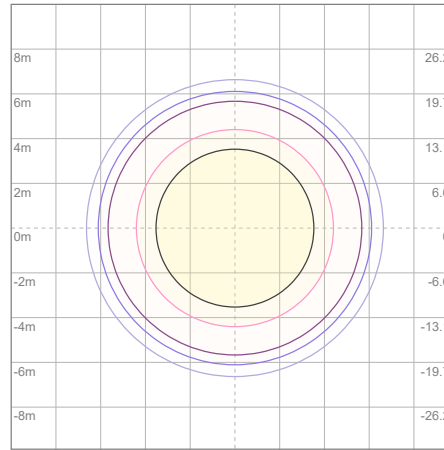
Beam center

Photometric Testing Report

Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	966	96.22%
0-40	997	99.30%
0-60	1002	99.80%
60-90	0.912	0.09%
70-100	0.212	0.02%
90-120	0.038	0.00%
0-90	1003	99.90%
90-180	0.489	0.05%
0-180	1004	100.00%

ISO Lux Diagram



Mounting height: 3.05 meters (10 feet)

Lux at center:	262 lx
3%	7.86 lx
5%	13.10 lx
10%	26.20 lx
30%	78.60 lx
50%	131.00 lx

Conditions:

Number of planes: 8

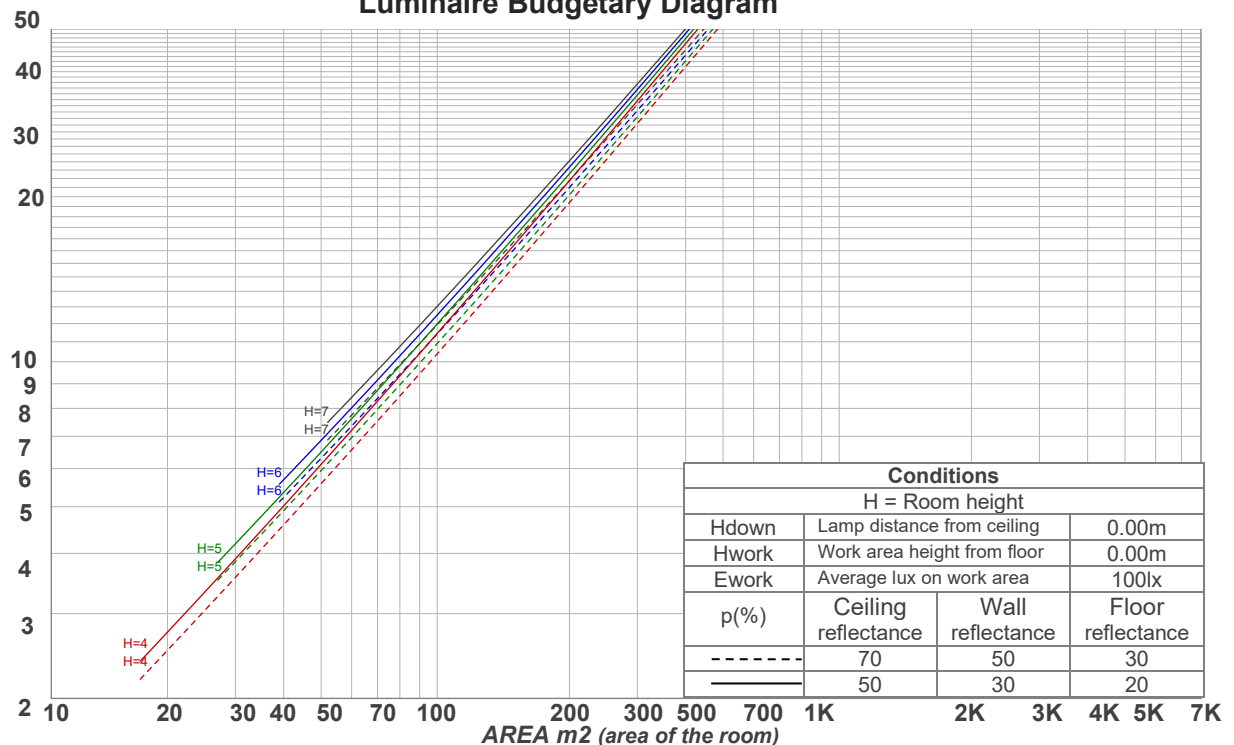
Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface.

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	112	110	109	112	110	108	107	106	105	104	103	101	100	99	98	98	96
2	110	107	103	101	108	105	102	100	102	99	97	99	97	95	96	95	93	92
3	106	101	98	94	105	100	97	94	98	95	92	95	93	91	93	91	89	88
4	103	97	93	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84
5	99	93	88	85	98	92	88	84	90	87	84	89	85	83	87	84	82	81
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78
7	92	85	81	77	91	85	80	77	84	80	77	83	79	77	82	78	76	75
8	89	82	77	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72
9	87	79	75	71	86	79	74	71	78	74	71	77	73	71	76	73	71	70
10	84	76	72	69	83	76	72	69	75	71	69	75	71	68	74	71	68	67

LAMPS (number of lamps)

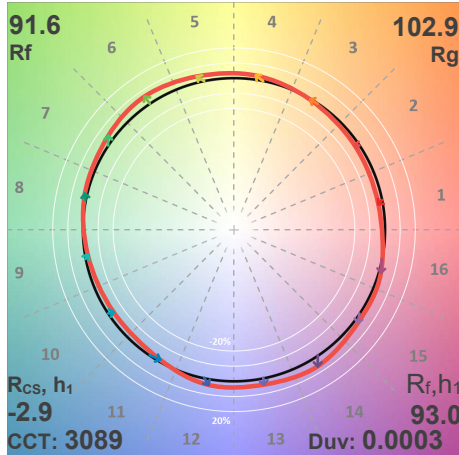
Luminaire Budgetary Diagram



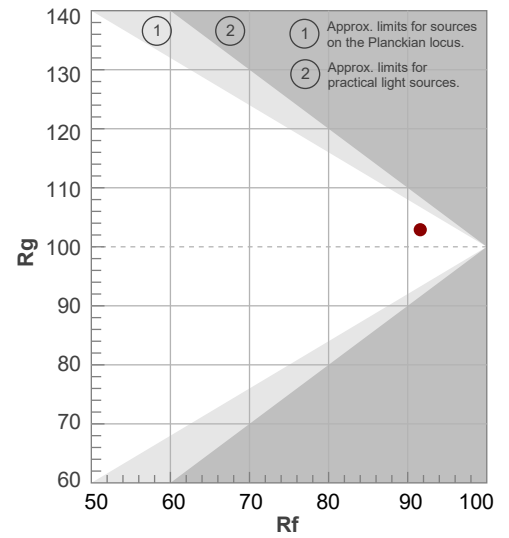
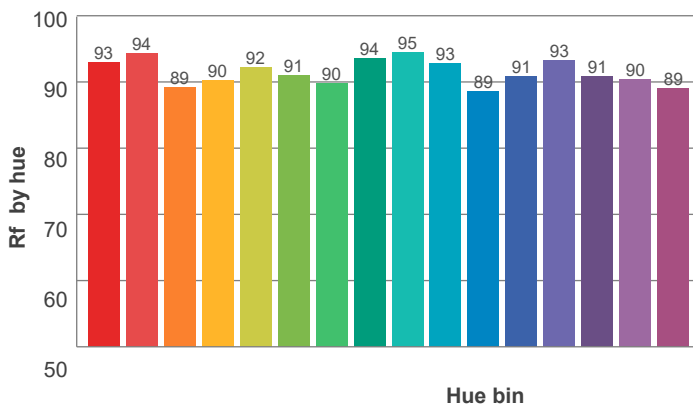
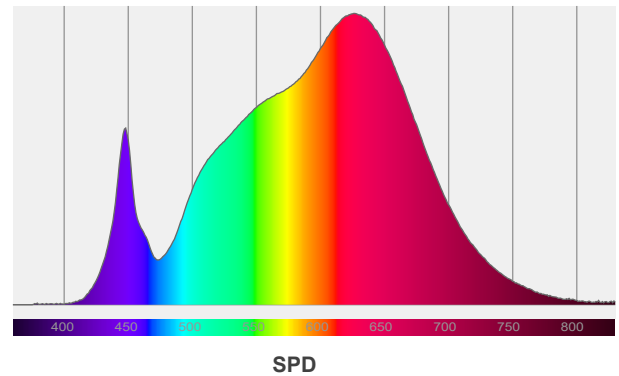
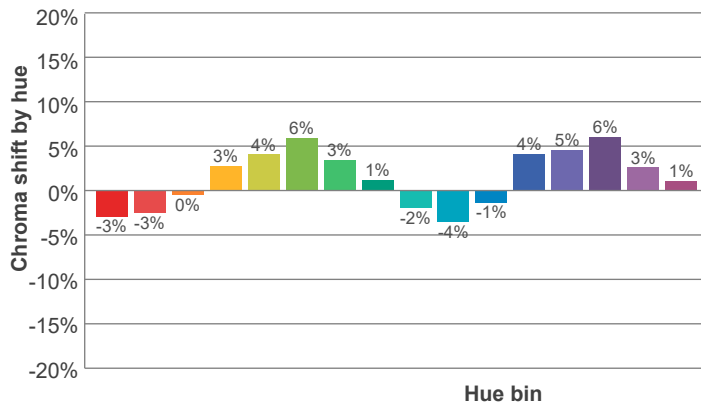
Conditions			
H = Room height			
Hdown	Lamp distance from ceiling	0.00m	
Hwork	Work area height from floor	0.00m	
Ework	Average lux on work area	100lx	
p(%)	Ceiling reflectance	Wall reflectance	Floor reflectance
-----	70	50	30
-----	50	30	20

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%	6%
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%



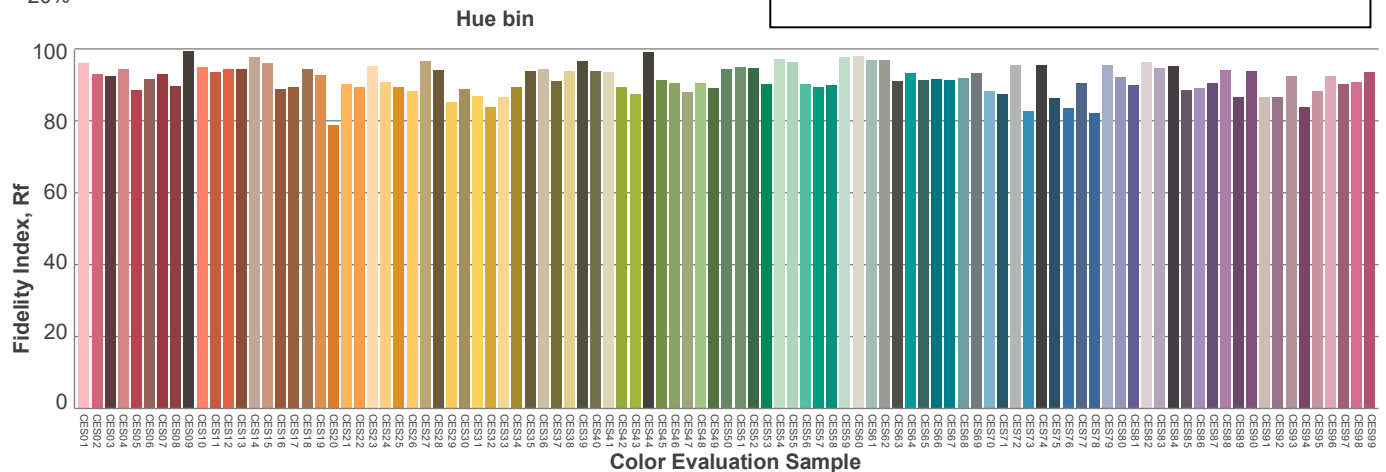
Red: 39.2%, Power=11.0mW

Blue: 6.6%, Power=3.3mW

Green: 24.9%, Power=12.6mW

UVA: 0%, Power=0.0mW

Dominant Wavelength: 583nm

1st Peak Wavelength: 626nm2nd 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	11.4	11.9	11.5	12.1	12.3	11.4	11.9	11.5	12.1	12.3
	3H	11.1	11.8	11.5	12.0	12.2	11.1	11.8	11.5	12.0	12.2
	4H	11.0	11.7	11.4	11.9	12.2	11.0	11.7	11.4	11.9	12.2
	6H	11.0	11.6	11.3	11.9	12.2	11.0	11.6	11.3	11.9	12.2
	8H	11.0	11.5	11.3	11.8	12.2	11.0	11.5	11.3	11.8	12.2
	12H	10.9	11.5	11.3	11.8	12.2	10.9	11.5	11.3	11.8	12.2
4H	2H	11.0	11.7	11.4	11.9	12.2	11.0	11.7	11.4	11.9	12.2
	3H	10.9	11.5	11.3	11.8	12.2	10.9	11.5	11.3	11.8	12.2
	4H	10.8	11.3	11.2	11.7	12.2	10.8	11.3	11.2	11.7	12.2
	6H	10.7	11.3	11.2	11.6	12.0	10.7	11.3	11.2	11.6	12.0
	8H	10.6	11.2	11.2	11.5	11.9	10.6	11.2	11.2	11.5	11.9
	12H	10.6	11.0	11.1	11.4	11.9	10.6	11.0	11.1	11.4	11.9
8H	4H	10.6	11.2	11.2	11.5	11.9	10.6	11.2	11.2	11.5	11.9
	6H	10.6	10.9	11.1	11.4	11.9	10.6	10.9	11.1	11.4	11.9
	8H	10.6	10.9	11.1	11.4	12.0	10.6	10.9	11.1	11.4	12.0
	12H	10.5	10.8	11.1	11.3	11.9	10.5	10.8	11.1	11.3	11.9
12H	4H	10.6	11.0	11.1	11.4	11.9	10.6	11.0	11.1	11.4	11.9
	6H	10.6	10.9	11.1	11.4	12.0	10.6	10.9	11.1	11.4	12.0
	8H	10.5	10.8	11.1	11.3	11.9	10.5	10.8	11.1	11.3	11.9
Variation of the observer position for the luminaire distance S											
S = 1.0H		6.8 / -10.5					6.8 / -10.5				
S = 1.5H		9.6 / -12.1					9.6 / -12.1				
S = 2.0H		11.6 / -14.9					11.6 / -14.9				
Corrected glare indices referring to 1004 lm total luminous flux											