

Light efficiency:

84 Lumen/Watt

Color temperature:

4115 K

Light quality:

CRI:94.6, R_g:91.7, R_f:99.3

P: 2 / V: - / F: 2

Output: 955 lm

Peak: 1506 cd

Power: 11.4 W

Voltage: 121 V

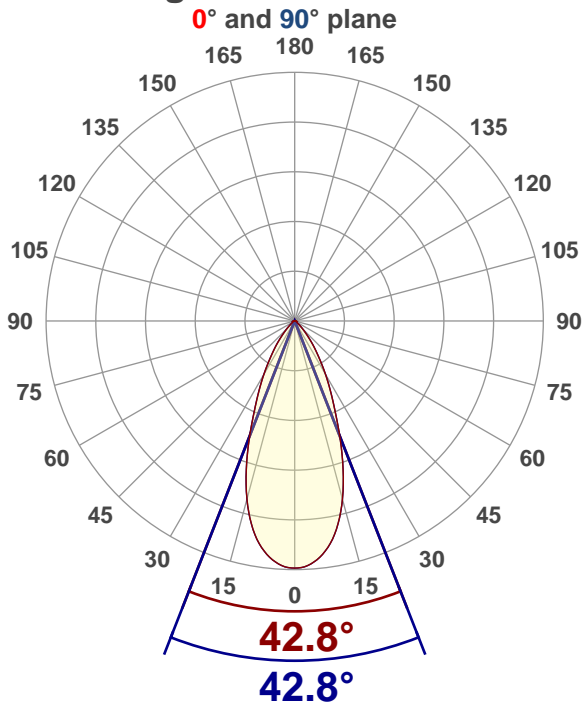
Current: 0.101 A

PF: 0.93

THD: 37.54 %



Angular Distribution



Product name:

RA35x-12RG-90WH - 4000K

Test Date:

2021-11-01

Beam Angle (50% of the brightness of the centre):
42.8°Field Angle (10% of the brightness of the centre):
78°Cut Off Angle (2.5% of the brightness of the centre):
99°

Beam Details

*measured at centre of beam

Mounting Height (feet)/(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	1013 lx	94 fc	3.1 ft / 1 m
8 ft / 2.4 m	253 lx	24 fc	6.3 ft / 1.9 m
12 ft / 3.7 m	113 lx	10 fc	9.4 ft / 2.9 m
16 ft / 4.9 m	63 lx	6 fc	12.5 ft / 3.8 m
20 ft / 6.1 m	41 lx	4 fc	15.7 ft / 4.8 m

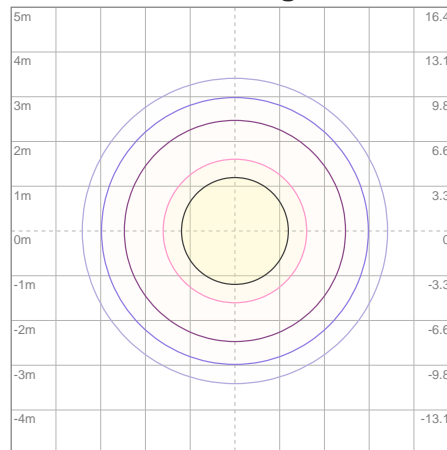
Beam center

Photometric Testing Report

Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	704	73.72%
0-40	852	89.21%
0-60	926	96.96%
60-90	19.7	2.06%
70-100	11.2	1.17%
90-120	4.61	0.48%
0-90	946	99.06%
90-180	9.12	0.95%
0-180	955	100.00%

ISO Lux Diagram



Lux at center:	162 lx
3%	4.86 lx
5%	8.10 lx
10%	16.20 lx
30%	48.60 lx
50%	81.00 lx

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

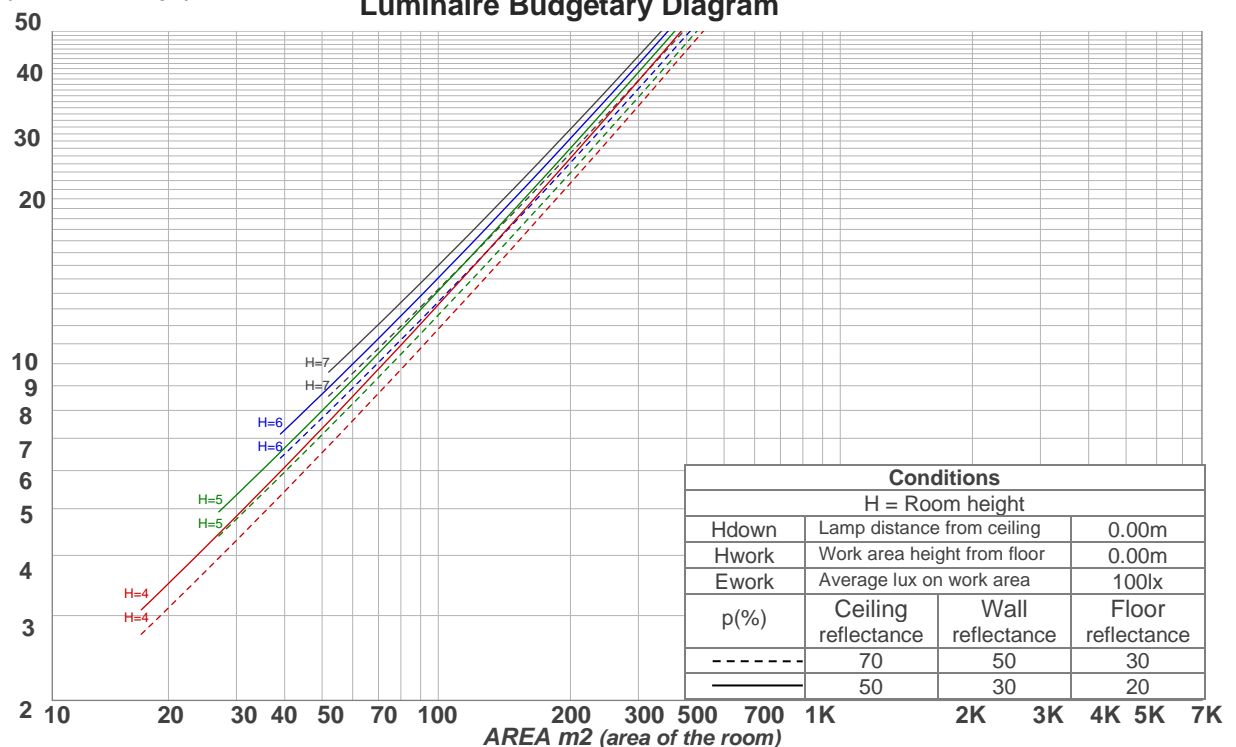
Mounting height: 3.05 meters (10 feet)

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	101	101	101	99
1	113	110	108	106	111	108	106	104	104	102	100	100	99	97	96	95	94	92
2	108	103	99	95	105	101	97	94	98	95	92	94	92	90	92	90	88	86
3	102	96	91	87	100	95	90	86	92	88	85	89	86	84	87	84	82	81
4	97	90	85	81	96	89	84	80	87	82	79	85	81	78	83	79	77	75
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	78	75	72	71
6	89	80	74	70	87	79	74	70	77	73	69	76	72	69	75	71	68	67
7	84	76	70	66	83	75	69	65	73	69	65	72	68	65	71	67	64	63
8	81	72	66	62	79	71	65	62	70	65	61	69	64	61	68	64	61	59
9	77	68	62	58	76	67	62	58	66	62	58	65	61	58	65	61	58	56
10	74	65	59	55	73	64	59	55	63	58	55	63	58	55	62	58	55	53

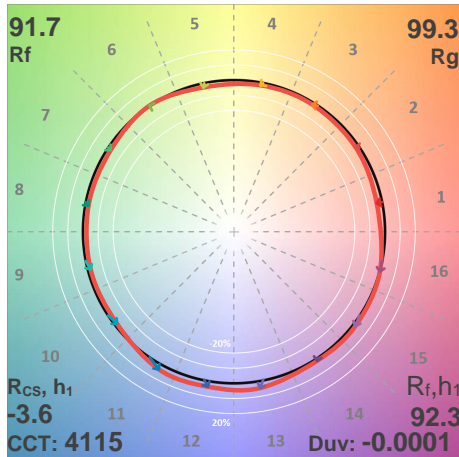
LAMPS (number of lamps)

Luminaire Budgetary Diagram

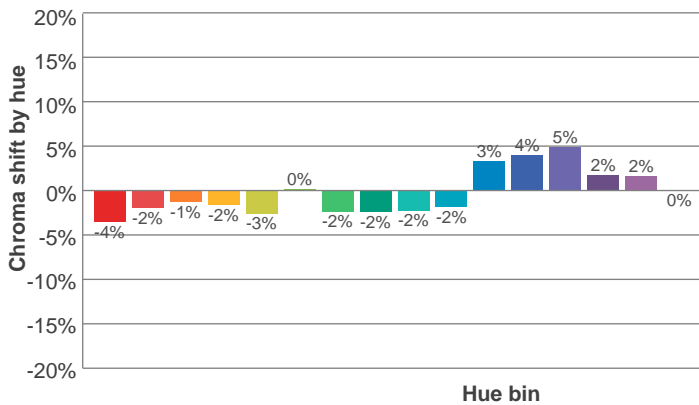
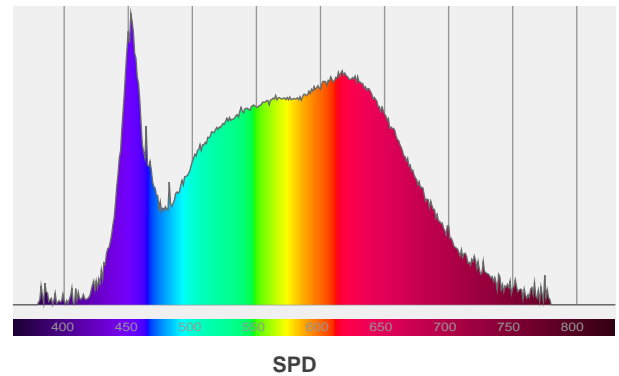
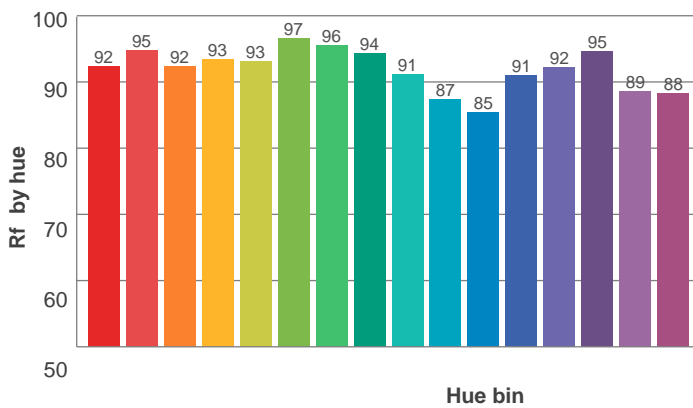
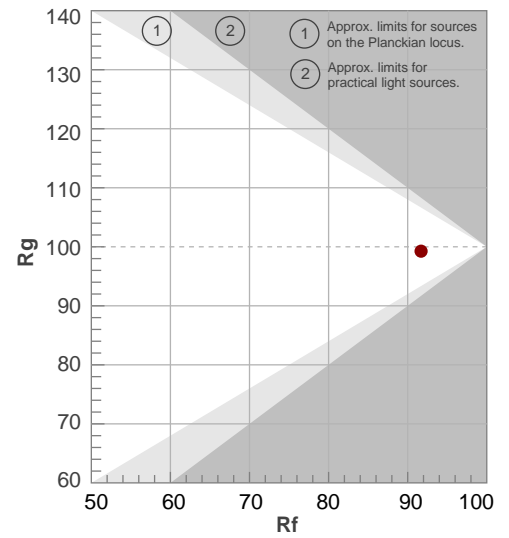


ANSI/IES TM-30-18

P: 2 / V: - / F: 2



Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	92	-4%	0%
2	95	-2%	1%
3	92	-1%	3%
4	93	-2%	1%
5	93	-3%	1%
6	97	0%	0%
7	96	-2%	0%
8	94	-2%	2%
9	91	-2%	6%
10	87	-2%	8%
11	85	3%	9%
12	91	4%	3%
13	92	5%	-3%
14	95	2%	-2%
15	89	2%	-7%
16	88	0%	-7%



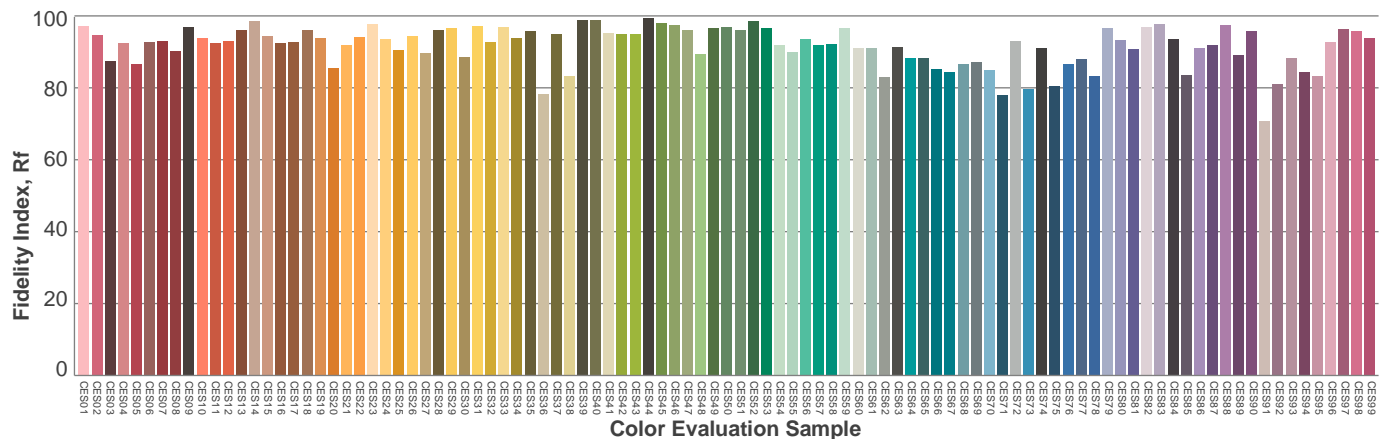
Red: 30.2%, Power=7.8mW

Blue: 14%, Power=7.9mW

Green: 28.2%, Power=12.9mW

UVA: 0.3%, Power=0.0mW

Dominant Wavelength: 581nm

1st Peak Wavelength: 452nm2nd Peak Wavelength: 617nm

Glare Evaluation According to UGR

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 X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	29.6	30.2	29.7	30.4	30.6	29.6	30.2	29.7	30.4	30.6
	3H	29.4	30.1	29.7	30.3	30.5	29.4	30.1	29.7	30.3	30.5
	4H	29.3	30.0	29.7	30.3	30.5	29.3	30.0	29.7	30.3	30.5
	6H	29.3	29.9	29.6	30.2	30.6	29.3	29.9	29.6	30.2	30.6
	8H	29.3	29.9	29.6	30.2	30.6	29.3	29.9	29.6	30.2	30.6
	12H	29.3	29.8	29.6	30.2	30.6	29.3	29.8	29.6	30.2	30.6
4H	2H	29.3	30.0	29.6	30.2	30.4	29.3	30.0	29.6	30.2	30.4
	3H	29.3	29.8	29.6	30.2	30.6	29.3	29.8	29.6	30.2	30.6
	4H	29.2	29.7	29.6	30.1	30.6	29.2	29.7	29.6	30.1	30.6
	6H	29.1	29.7	29.6	30.0	30.4	29.1	29.7	29.6	30.0	30.4
	8H	29.1	29.6	29.6	29.9	30.3	29.1	29.6	29.6	29.9	30.3
	12H	29.1	29.5	29.6	29.9	30.3	29.1	29.5	29.6	29.9	30.3
8H	4H	29.0	29.6	29.6	29.9	30.3	29.0	29.6	29.6	29.9	30.3
	6H	29.1	29.4	29.6	29.9	30.4	29.1	29.4	29.6	29.9	30.4
	8H	29.1	29.4	29.6	29.9	30.5	29.1	29.4	29.6	29.9	30.5
	12H	29.1	29.3	29.6	29.8	30.4	29.1	29.3	29.6	29.8	30.4
12H	4H	29.0	29.4	29.5	29.8	30.3	29.0	29.4	29.5	29.8	30.3
	6H	29.1	29.3	29.6	29.8	30.5	29.1	29.3	29.6	29.8	30.5
	8H	29.0	29.3	29.6	29.8	30.4	29.0	29.3	29.6	29.8	30.4
Variation of the observer position for the luminaire distance S											
S = 1.0H		4.4 / -5.8					4.4 / -5.8				
S = 1.5H		6.9 / -6.8					6.9 / -6.8				
S = 2.0H		8.8 / -7.3					8.8 / -7.3				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 955 lm total luminous flux											