

Light efficiency:

67 Lumen/Watt

Color temperature:

2994 K

Light quality:

CRI:95.9, R_g:92.9, R_f:99.0

P: 2 / V: - / F: 2

Output: 771 lm

Peak: 1276 cd

Power: 11.6 W

Voltage: 119 V

Current: 0.099 A

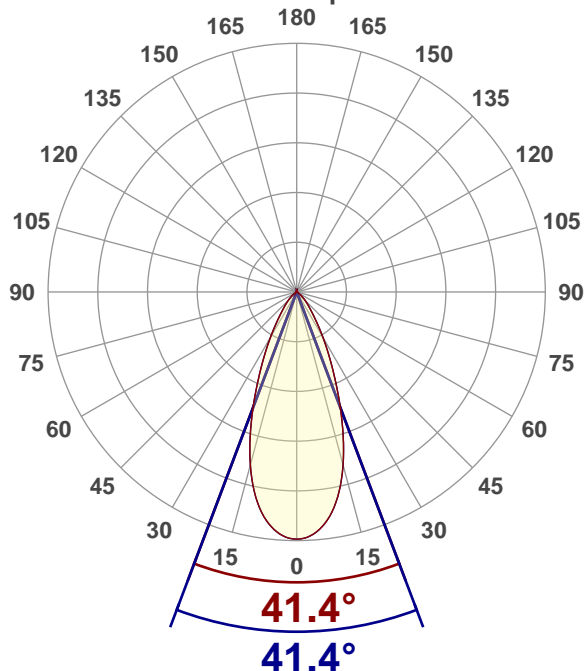
PF: 0.98

THD: 7.66 %



Angular Distribution

0° and 90° plane



Product name:

RA4-12RG-90BK - 3000K

Test Date:

2021-09-03

Beam Angle (50% of the brightness of the centre):
41.4°Field Angle (10% of the brightness of the centre):
74.2°Cut Off Angle (2.5% of the brightness of the centre):
100.7°

Beam Details

*measured at centre of beam

Mounting Height (feet)/(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	858 lx	80 fc	3 ft / 0.9 m
8 ft / 2.4 m	215 lx	20 fc	6 ft / 1.8 m
12 ft / 3.7 m	95 lx	9 fc	9.1 ft / 2.8 m
16 ft / 4.9 m	54 lx	5 fc	12.1 ft / 3.7 m
20 ft / 6.1 m	34 lx	3 fc	15.1 ft / 4.6 m

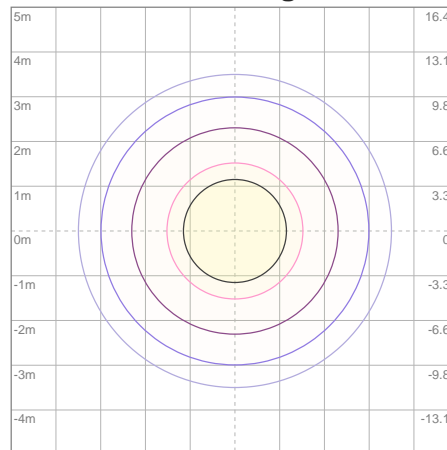
Beam center

Photometric Testing Report

Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	570	73.93%
0-40	672	87.16%
0-60	734	95.20%
60-90	13.0	1.69%
70-100	11.5	1.49%
90-120	11.0	1.43%
0-90	747	96.89%
90-180	23.7	3.07%
0-180	771	100.00%

ISO Lux Diagram



Lux at center:	137 lx
3%	4.11 lx
5%	6.85 lx
10%	13.70 lx
30%	41.10 lx
50%	68.50 lx
Conditions: Number of planes: 8 Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface.	

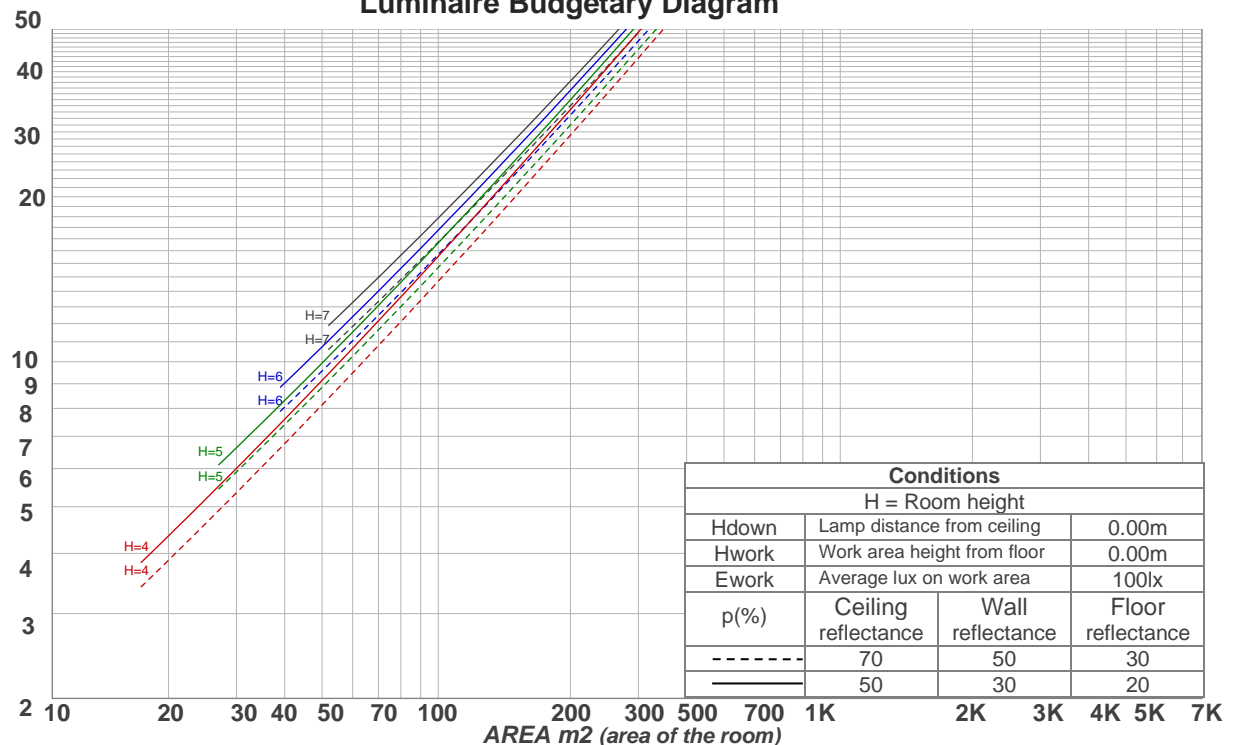
Mounting height: 3.05 meters (10 feet)

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	113	110	107	105	110	107	105	103	103	101	99	99	97	96	95	94	93	91
2	107	102	98	95	105	100	97	94	97	94	91	93	91	89	90	88	86	85
3	102	96	91	87	100	94	90	86	91	87	84	88	85	83	86	83	81	79
4	97	90	84	80	95	89	84	80	86	82	78	84	80	77	81	78	76	74
5	93	85	79	75	91	83	78	74	81	77	73	79	75	72	78	74	72	70
6	88	80	74	70	87	79	73	70	77	72	69	75	71	68	74	70	67	66
7	84	76	70	66	83	75	69	65	73	68	65	72	68	64	70	67	64	62
8	81	72	66	62	79	71	66	62	70	65	61	68	64	61	67	63	61	59
9	77	68	62	59	76	67	62	59	66	62	58	65	61	58	64	60	57	56
10	74	65	59	56	73	64	59	56	63	59	55	62	58	55	61	58	55	53

LAMPS (number of lamps)

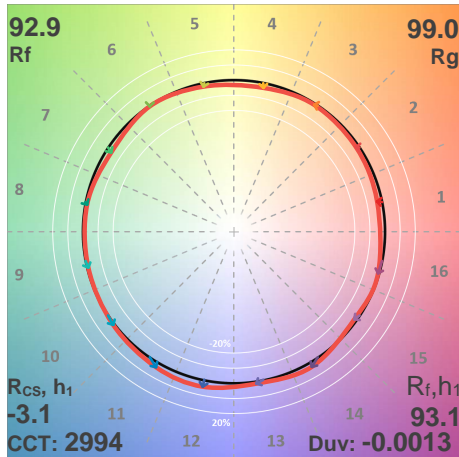
Luminaire Budgetary Diagram



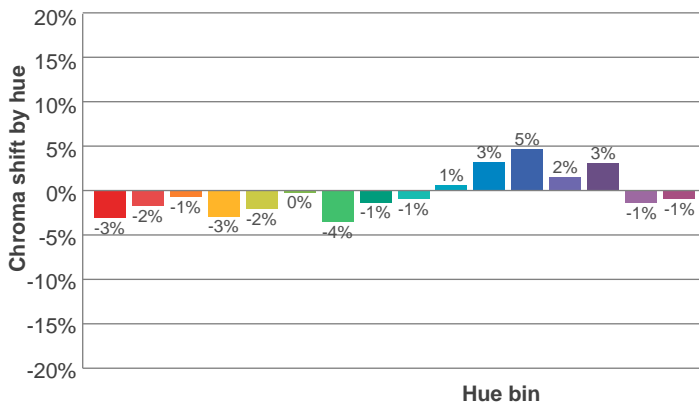
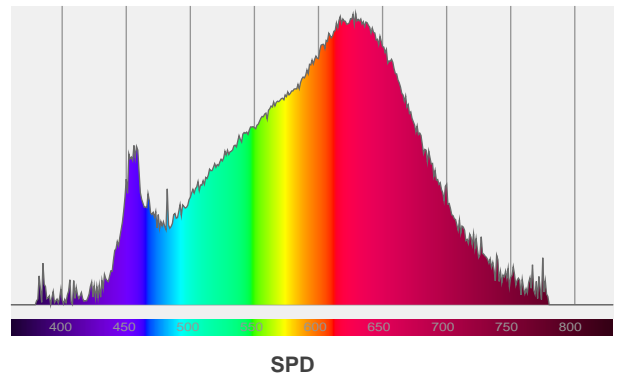
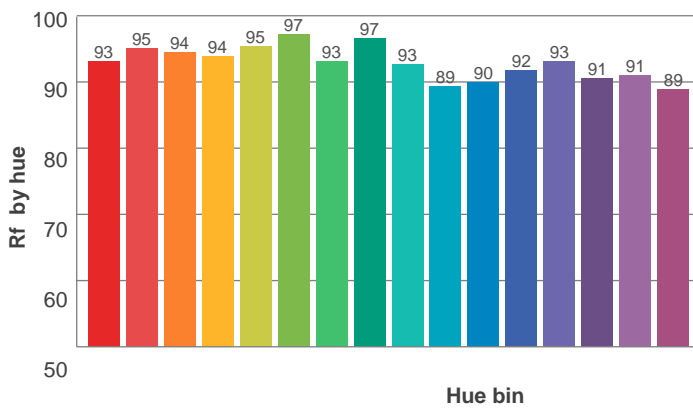
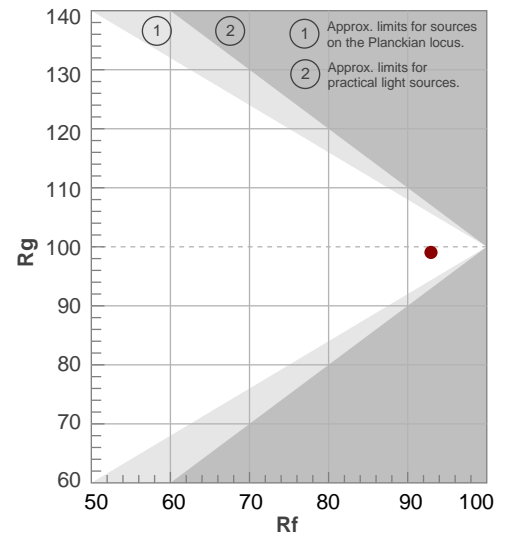
Photometric Testing Report

ANSI/IES TM-30-18

P: 2 / V: - / F: 2



Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	93	-3%	1%
2	95	-2%	1%
3	94	-1%	2%
4	94	-3%	-1%
5	95	-2%	1%
6	97	0%	0%
7	93	-4%	2%
8	97	-1%	1%
9	93	-1%	5%
10	89	1%	7%
11	90	3%	7%
12	92	5%	0%
13	93	2%	-5%
14	91	3%	-7%
15	91	-1%	-4%
16	89	-1%	-8%



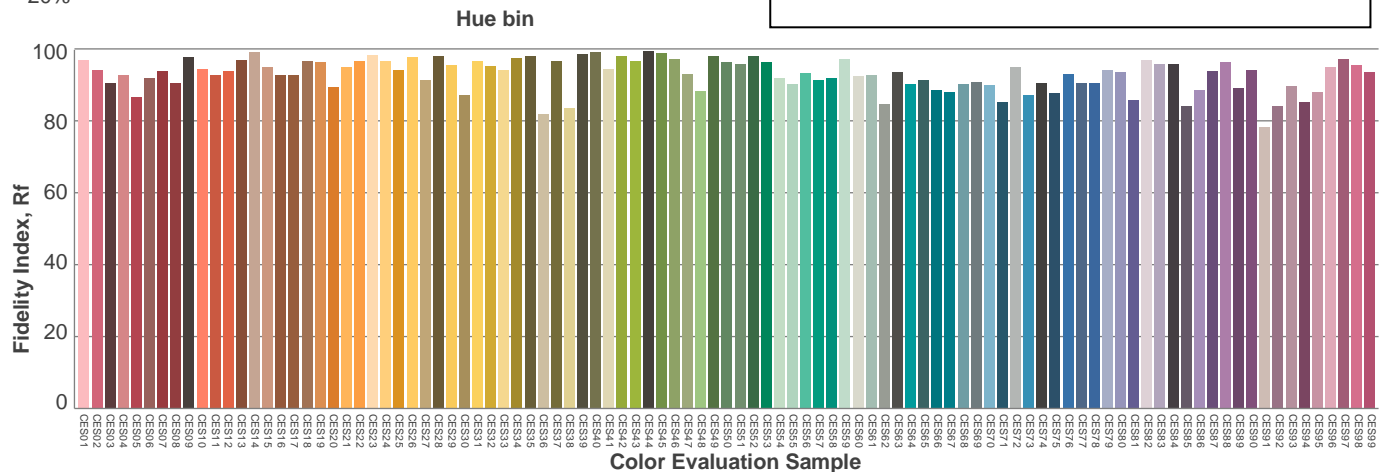
Red: 40.3%, Power=9.3mW

Blue: 9.4%, Power=5.0mW

Green: 23.1%, Power=9.0mW

UVA: 0.4%, Power=0.0mW

Dominant Wavelength: 584nm

1st Peak Wavelength: 629nm2nd Peak Wavelength: 618nm

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	17.8	18.4	18.0	18.7	18.9	17.8	18.4	18.0	18.7	18.9
	3H	17.6	18.3	18.0	18.6	18.8	17.6	18.3	18.0	18.6	18.8
	4H	17.6	18.3	18.1	18.6	18.9	17.6	18.3	18.1	18.6	18.9
	6H	17.8	18.4	18.1	18.7	19.1	17.8	18.4	18.1	18.7	19.1
	8H	17.9	18.5	18.3	18.8	19.3	17.9	18.5	18.3	18.8	19.3
	12H	18.1	18.6	18.5	19.0	19.5	18.1	18.6	18.5	19.0	19.5
4H	2H	17.5	18.2	17.9	18.5	18.8	17.5	18.2	17.9	18.5	18.8
	3H	17.5	18.1	17.9	18.5	19.0	17.5	18.1	17.9	18.5	19.0
	4H	17.6	18.1	18.0	18.5	19.1	17.6	18.1	18.0	18.5	19.1
	6H	17.8	18.3	18.3	18.7	19.1	17.8	18.3	18.3	18.7	19.1
	8H	18.0	18.5	18.5	18.9	19.3	18.0	18.5	18.5	18.9	19.3
	12H	18.3	18.7	18.9	19.2	19.7	18.3	18.7	18.9	19.2	19.7
8H	4H	17.5	18.0	18.1	18.4	18.8	17.5	18.0	18.1	18.4	18.8
	6H	17.9	18.2	18.5	18.7	19.3	17.9	18.2	18.5	18.7	19.3
	8H	18.3	18.6	18.9	19.1	19.8	18.3	18.6	18.9	19.1	19.8
	12H	18.9	19.1	19.5	19.6	20.3	18.9	19.1	19.5	19.6	20.3
12H	4H	17.5	17.9	18.0	18.3	18.8	17.5	17.9	18.0	18.3	18.8
	6H	18.0	18.2	18.5	18.8	19.5	18.0	18.2	18.5	18.8	19.5
	8H	18.4	18.6	19.0	19.2	19.8	18.4	18.6	19.0	19.2	19.8
Variation of the observer position for the luminaire distance S											
S = 1.0H		2.0 / -1.6					2.0 / -1.6				
S = 1.5H		4.0 / -2.0					4.0 / -2.0				
S = 2.0H		5.6 / -2.3					5.6 / -2.3				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 771 lm total luminous flux											