

Light efficiency:

38 Lumen/Watt

Color temperature:

3008 K

Light quality:

CRI:91.1, R_g:88.3, R_f:103.9

P: 2 / V: - / F: 3

Output: 567 lm

Peak: 9723 cd

Power: 14.8 W

Voltage: 119 V

Current: 0.127 A

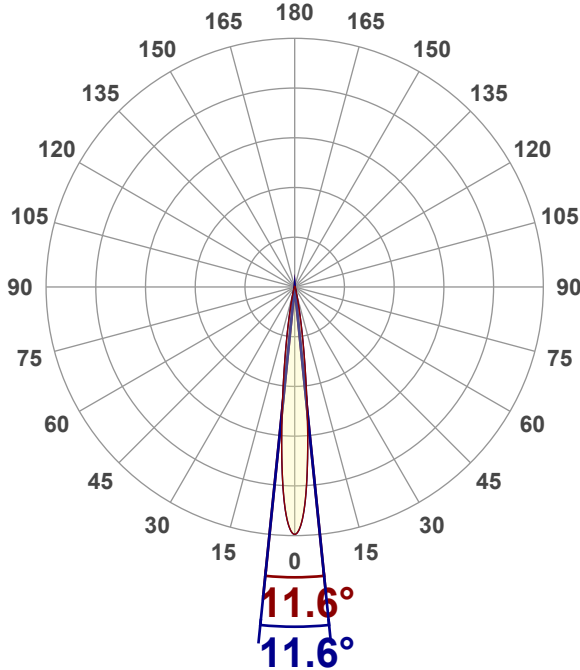
PF: 0.98

THD: 13.48 %



Angular Distribution

0° and 90° plane



Product name:

DRW-A27SG0WF-XX1-XXX

Test Date:

4/16/2025

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

11.6°

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

22.1°

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

31.7°

Beam Details

*measured at centre of beam

Mounting Height (feet)\(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	6541 lx	608 fc	0.8 ft / 0.2 m
8 ft / 2.4 m	1635 lx	152 fc	1.6 ft / 0.5 m
12 ft / 3.7 m	727 lx	68 fc	2.4 ft / 0.7 m
16 ft / 4.9 m	409 lx	38 fc	3.3 ft / 1 m
20 ft / 6.1 m	262 lx	24 fc	4.1 ft / 1.2 m

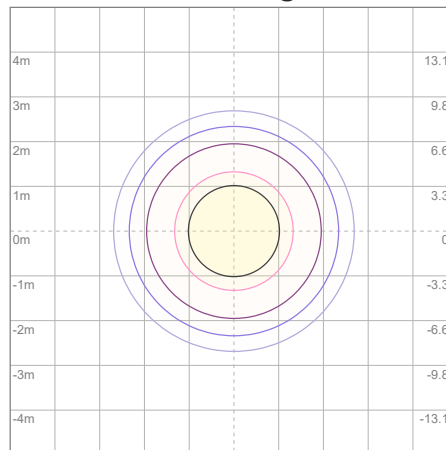
Beam center

Photometric Testing Report

Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	533	94.00%
0-40	542	95.59%
0-60	548	96.65%
60-90	5.74	1.01%
70-100	5.89	1.04%
90-120	7.81	1.38%
0-90	554	97.71%
90-180	13.1	2.31%
0-180	567	100.00%

ISO Lux Diagram



Lux at center:	1045 lx
3%	31.35 lx
5%	52.25 lx
10%	104.50 lx
30%	313.50 lx
50%	522.50 lx

Conditions:

Number of planes: 8

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

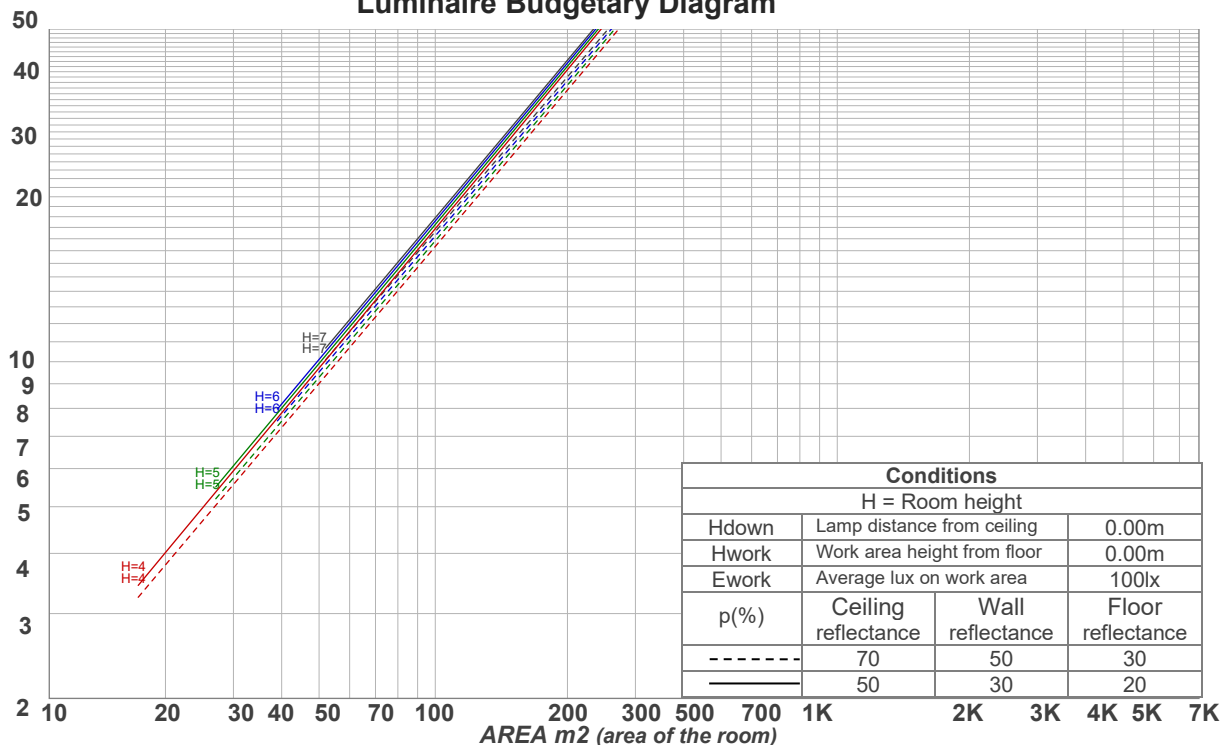
Mounting height: 3.05 meters (10 feet)

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	110	110	110	105	105	105	100	100	100	98
1	115	113	111	110	112	111	109	108	106	105	104	102	102	101	99	98	98	96
2	112	109	106	104	110	107	105	103	104	102	100	101	99	98	98	97	96	94
3	109	106	103	100	108	104	101	99	101	99	97	99	97	96	97	95	94	93
4	107	103	100	97	105	102	99	96	99	97	95	97	95	94	95	94	93	92
5	105	100	97	95	104	99	96	94	98	95	93	96	94	92	94	93	91	90
6	103	98	95	93	102	98	95	92	96	94	92	95	93	91	93	92	90	89
7	101	97	93	91	100	96	93	91	95	92	90	94	91	90	93	91	89	88
8	100	95	92	90	99	94	92	90	93	91	89	92	90	89	92	90	88	87
9	99	94	91	89	98	93	90	88	92	90	88	91	89	88	91	89	87	87
10	97	92	89	88	96	92	89	87	91	89	87	91	88	87	90	88	87	86

LAMPS (number of lamps)

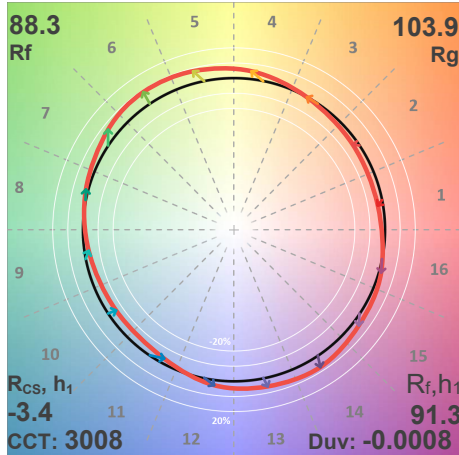
Luminaire Budgetary Diagram



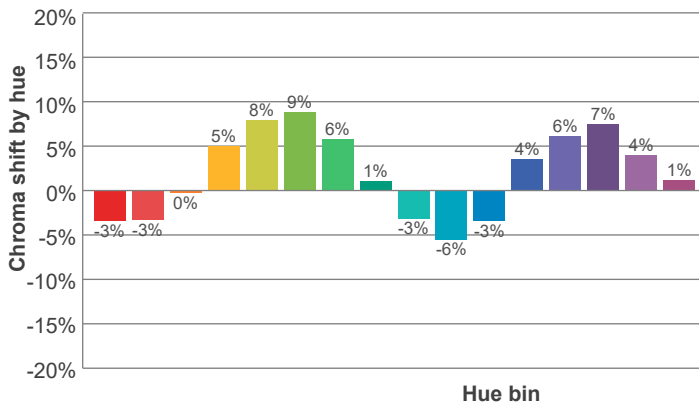
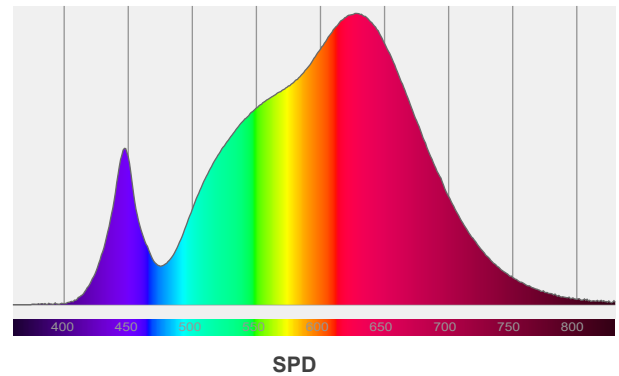
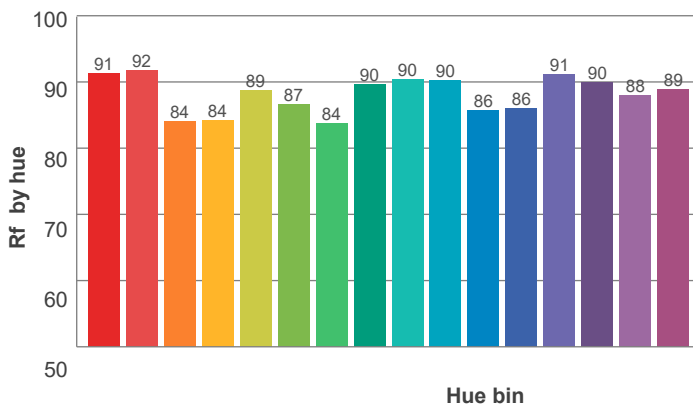
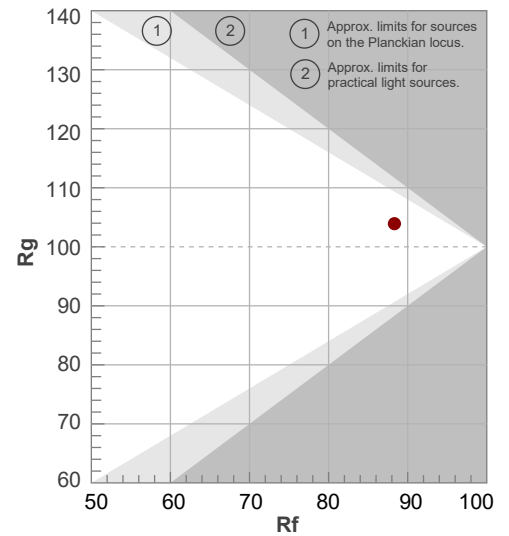
Photometric Testing Report

ANSI/IES TM-30-18

P: 2 / V: - / F: 3



Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	91	-3%	-3%
2	92	-3%	3%
3	84	0%	8%
4	84	5%	9%
5	89	8%	6%
6	87	9%	-1%
7	84	6%	-9%
8	90	1%	-7%
9	90	-3%	-5%
10	90	-6%	1%
11	86	-3%	9%
12	86	4%	7%
13	91	6%	2%
14	90	7%	-3%
15	88	4%	-7%
16	89	1%	-9%



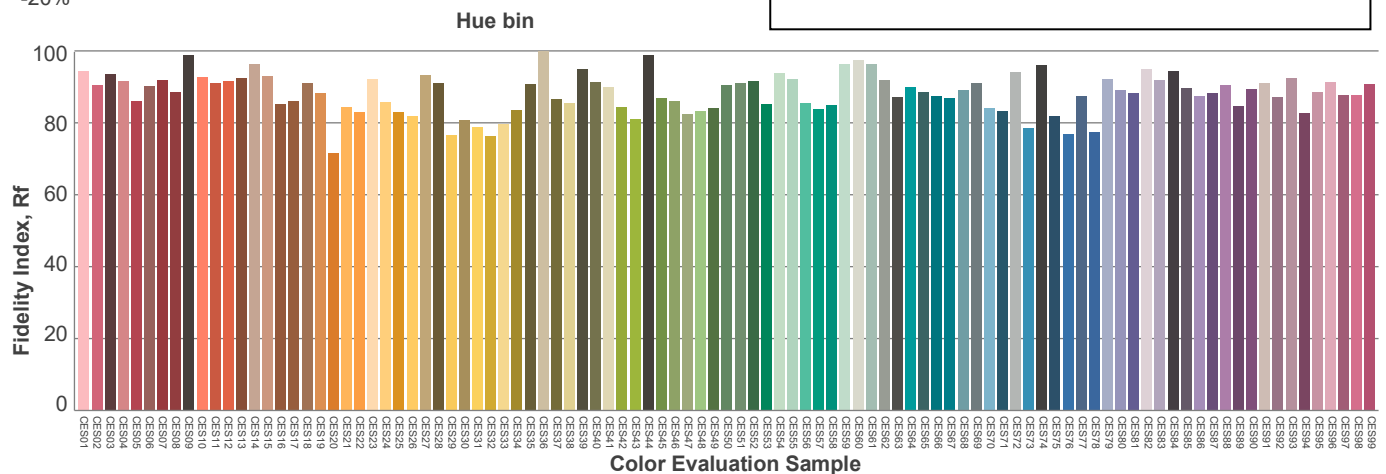
Red: 40.2%, Power=6.5mW

Blue: 5.8%, Power=1.7mW

Green: 24%, Power=7.2mW

UVA: 0%, Power=0.0mW

Dominant Wavelength: 584nm

1st Peak Wavelength: 627nm2nd Peak Wavelength: 447nm

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	3.5	3.8	3.6	4.0	4.2	3.5	3.8	3.6	4.0	4.2
	3H	4.7	5.2	5.1	5.4	5.6	4.7	5.2	5.1	5.4	5.6
	4H	5.7	6.2	6.2	6.5	6.7	5.7	6.2	6.2	6.5	6.7
	6H	7.2	7.6	7.5	7.9	8.3	7.2	7.6	7.5	7.9	8.3
	8H	8.0	8.4	8.4	8.8	9.2	8.0	8.4	8.4	8.8	9.2
	12H	9.0	9.4	9.4	9.8	10.2	9.0	9.4	9.4	9.8	10.2
4H	2H	3.7	4.2	4.1	4.4	4.7	3.7	4.2	4.1	4.4	4.7
	3H	5.5	5.9	5.9	6.3	6.7	5.5	5.9	5.9	6.3	6.7
	4H	6.8	7.2	7.2	7.6	8.1	6.8	7.2	7.2	7.6	8.1
	6H	8.5	8.9	9.0	9.2	9.6	8.5	8.9	9.0	9.2	9.6
	8H	9.4	9.8	10.0	10.2	10.6	9.4	9.8	10.0	10.2	10.6
	12H	10.6	10.8	11.1	11.3	11.8	10.6	10.8	11.1	11.3	11.8
8H	4H	7.4	7.8	7.9	8.1	8.5	7.4	7.8	7.9	8.1	8.5
	6H	9.4	9.6	9.9	10.1	10.6	9.4	9.6	9.9	10.1	10.6
	8H	10.6	10.7	11.1	11.3	12.0	10.6	10.7	11.1	11.3	12.0
	12H	11.9	12.1	12.6	12.6	13.3	11.9	12.1	12.6	12.6	13.3
12H	4H	7.5	7.8	8.1	8.2	8.7	7.5	7.8	8.1	8.2	8.7
	6H	9.7	9.9	10.2	10.4	11.1	9.7	9.9	10.2	10.4	11.1
	8H	10.9	11.1	11.6	11.6	12.3	10.9	11.1	11.6	11.6	12.3
Variation of the observer position for the luminaire distance S											
S = 1.0H		0.2 / -0.1					0.2 / -0.1				
S = 1.5H		0.4 / -0.1					0.4 / -0.1				
S = 2.0H		0.6 / -0.3					0.6 / -0.3				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 567 lm total luminous flux											