

Light efficiency:

37 Lumen/Watt

Color temperature:

3008 K

Light quality:

CRI:91.1, R_g:88.3, R_f:104.0

P: 2 / V: - / F: 3

Output: 544 lm

Peak: 9523 cd

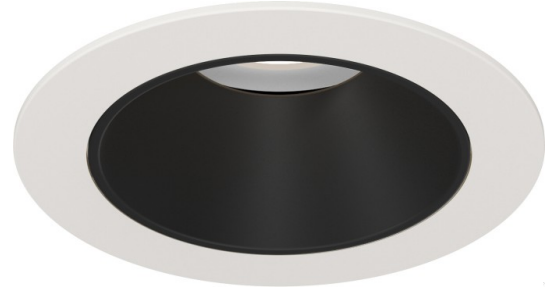
Power: 14.8 W

Voltage: 119 V

Current: 0.127 A

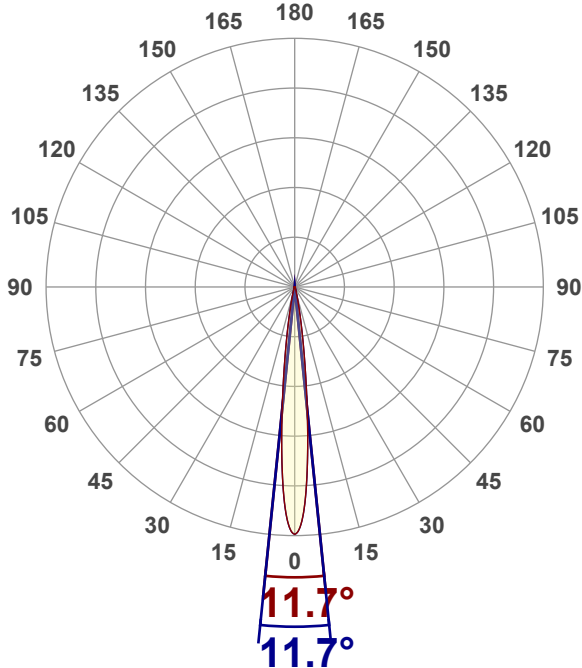
PF: 0.98

THD: 13.47 %



Angular Distribution

0° and 90° plane



Product name:

DRW-A27SG0BF-XX1-XXX

Test Date:

4/16/2025

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

11.7°

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

22.3°

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

31.9°

Beam Details

*measured at centre of beam

Mounting Height (feet)\(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	6407 lx	595 fc	0.8 ft / 0.2 m
8 ft / 2.4 m	1602 lx	149 fc	1.6 ft / 0.5 m
12 ft / 3.7 m	712 lx	66 fc	2.4 ft / 0.7 m
16 ft / 4.9 m	400 lx	37 fc	3.3 ft / 1 m
20 ft / 6.1 m	256 lx	24 fc	4.1 ft / 1.2 m

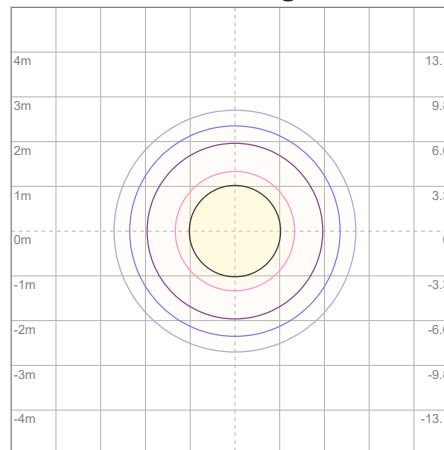
Beam center

Photometric Testing Report

Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	526	96.69%
0-40	533	97.98%
0-60	536	98.53%
60-90	2.72	0.50%
70-100	2.64	0.49%
90-120	2.45	0.45%
0-90	538	98.90%
90-180	5.62	1.03%
0-180	544	100.00%

ISO Lux Diagram



Lux at center:	1024 lx
3%	30.72 lx
5%	51.20 lx
10%	102.40 lx
30%	307.20 lx
50%	512.00 lx

Conditions:

Number of planes: 8

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

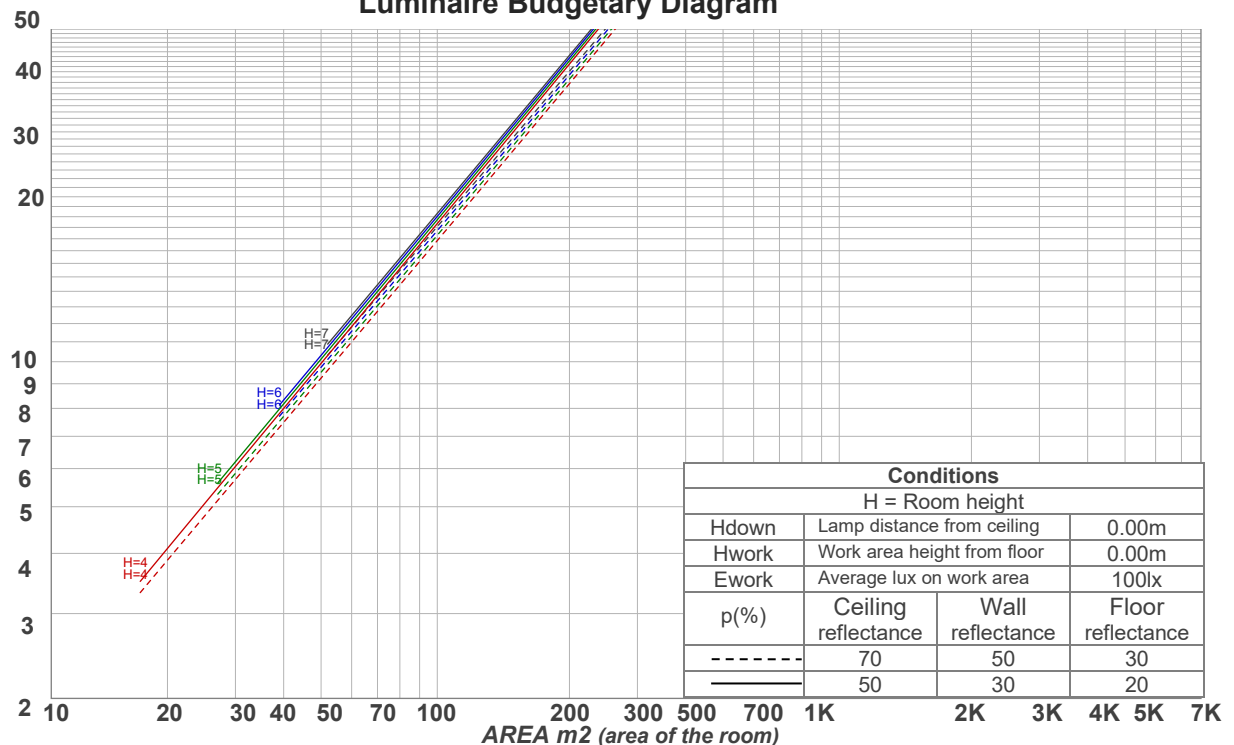
Mounting height: 3.05 meters (10 feet)

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	116	114	112	111	113	112	110	109	107	106	105	104	103	102	100	100	99	97
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	99	98	97	96
3	110	107	104	102	109	105	103	101	103	101	99	101	99	98	98	97	96	95
4	108	104	101	99	107	103	100	98	101	99	97	99	97	96	97	96	95	94
5	106	102	99	96	105	101	98	96	99	97	95	98	96	94	96	95	93	93
6	104	100	97	95	103	99	96	94	98	95	94	97	95	93	96	94	92	92
7	103	98	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	91
8	101	97	94	92	101	96	93	92	95	93	91	95	92	91	94	92	90	90
9	100	95	93	91	99	95	92	90	94	92	90	94	91	90	93	91	90	89
10	99	94	91	90	98	94	91	89	93	91	89	93	90	89	92	90	89	88

LAMPS (number of lamps)

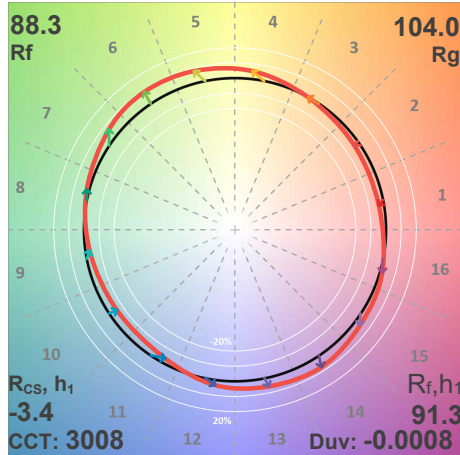
Luminaire Budgetary Diagram



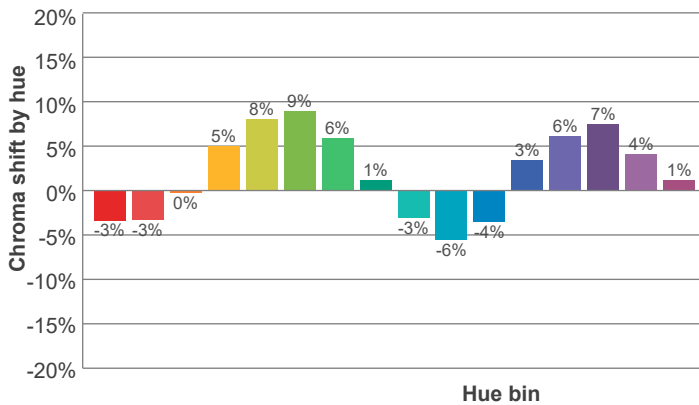
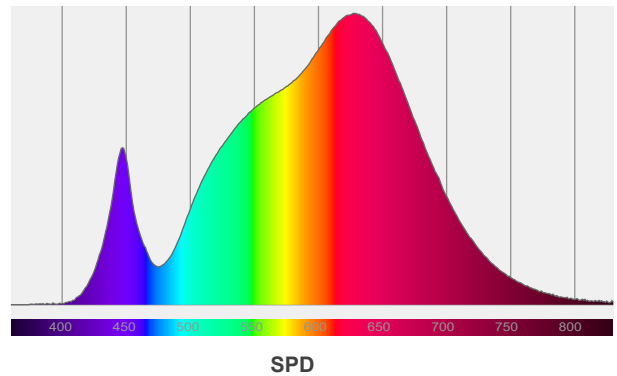
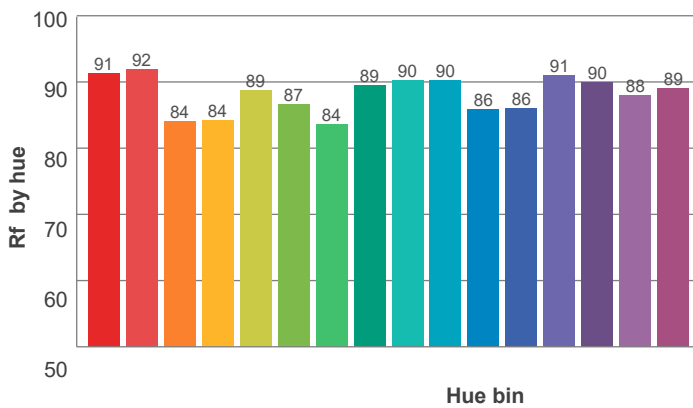
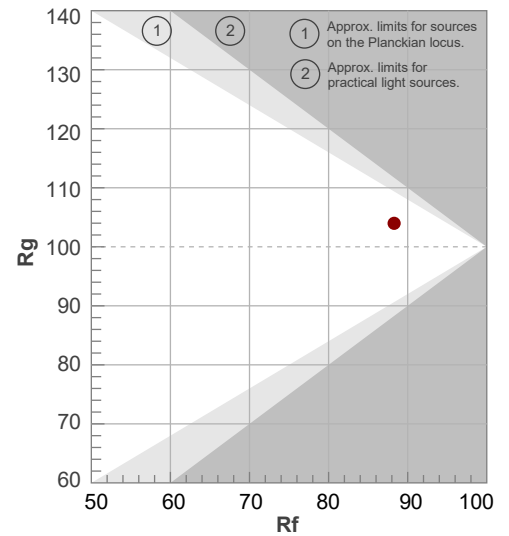
Photometric Testing Report

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	89	1%	-7%
9	90	-3%	-5%
10	90	-6%	1%
11	86	-4%	9%
12	86	3%	7%
13	91	6%	2%
14	90	7%	-3%
15	88	4%	-7%
16	89	1%	-9%



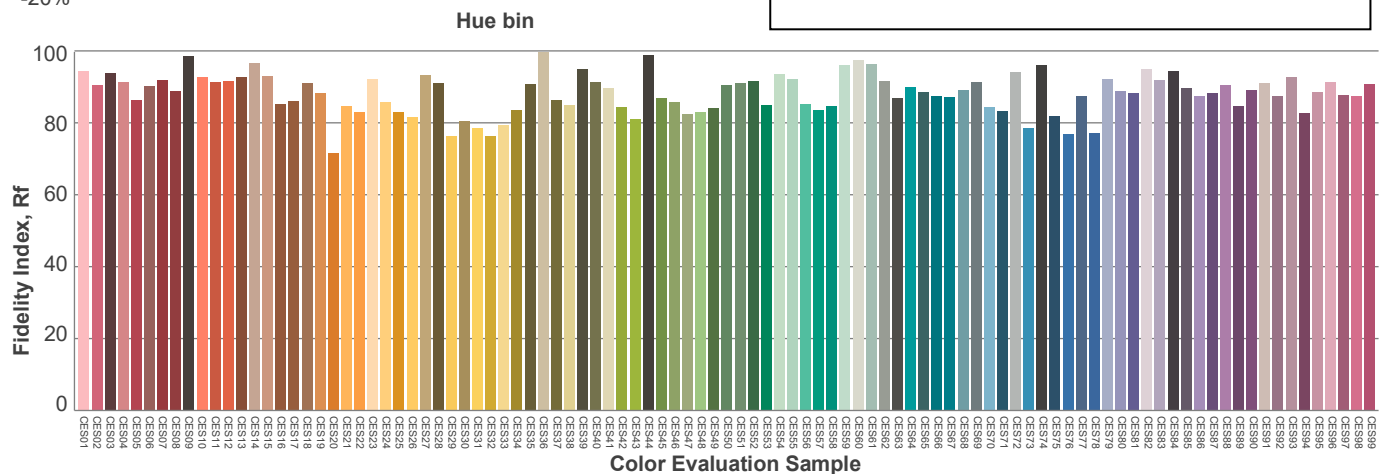
Red: 40.3%, Power=6.3mW

Blue: 5.7%, Power=1.6mW

Green: 24%, Power=6.9mW

UVA: 0%, Power=0.0mW

Dominant Wavelength: 584nm

1st Peak Wavelength: 628nm2nd 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	-0.7	-0.5	-0.7	-0.3	-0.1	-0.7	-0.5	-0.7	-0.3	-0.1
	3H	0.0	0.5	0.4	0.7	0.9	0.0	0.5	0.4	0.7	0.9
	4H	1.1	1.5	1.5	1.8	2.0	1.1	1.5	1.5	1.8	2.0
	6H	2.9	3.2	3.2	3.6	3.9	2.9	3.2	3.2	3.6	3.9
	8H	3.7	4.1	4.1	4.4	4.8	3.7	4.1	4.1	4.4	4.8
	12H	4.7	5.0	5.0	5.4	5.8	4.7	5.0	5.0	5.4	5.8
4H	2H	-0.8	-0.3	-0.3	-0.1	0.2	-0.8	-0.3	-0.3	-0.1	0.2
	3H	0.7	1.0	1.0	1.4	1.8	0.7	1.0	1.0	1.4	1.8
	4H	2.0	2.4	2.5	2.8	3.3	2.0	2.4	2.5	2.8	3.3
	6H	4.1	4.5	4.6	4.9	5.2	4.1	4.5	4.6	4.9	5.2
	8H	5.1	5.5	5.7	5.8	6.2	5.1	5.5	5.7	5.8	6.2
	12H	6.2	6.4	6.7	6.9	7.3	6.2	6.4	6.7	6.9	7.3
8H	4H	2.7	3.1	3.3	3.5	3.8	2.7	3.1	3.3	3.5	3.8
	6H	5.1	5.4	5.7	5.8	6.4	5.1	5.4	5.7	5.8	6.4
	8H	6.4	6.5	6.9	7.0	7.7	6.4	6.5	6.9	7.0	7.7
	12H	7.6	7.7	8.2	8.2	8.9	7.6	7.7	8.2	8.2	8.9
12H	4H	2.9	3.2	3.4	3.6	4.1	2.9	3.2	3.4	3.6	4.1
	6H	5.5	5.6	6.0	6.2	6.8	5.5	5.6	6.0	6.2	6.8
	8H	6.7	6.9	7.3	7.4	8.0	6.7	6.9	7.3	7.4	8.0
Variation of the observer position for the luminaire distance S											
S = 1.0H		0.4 / -0.2					0.4 / -0.2				
S = 1.5H		1.1 / -0.2					1.1 / -0.2				
S = 2.0H		1.7 / -0.3					1.7 / -0.3				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 544 lm total luminous flux											