

Light efficiency:

80 Lumen/Watt

Light quality:

CRI: 91.9

Color temperature:

3069 K

Output: 688 lm

Peak: 1096 cd

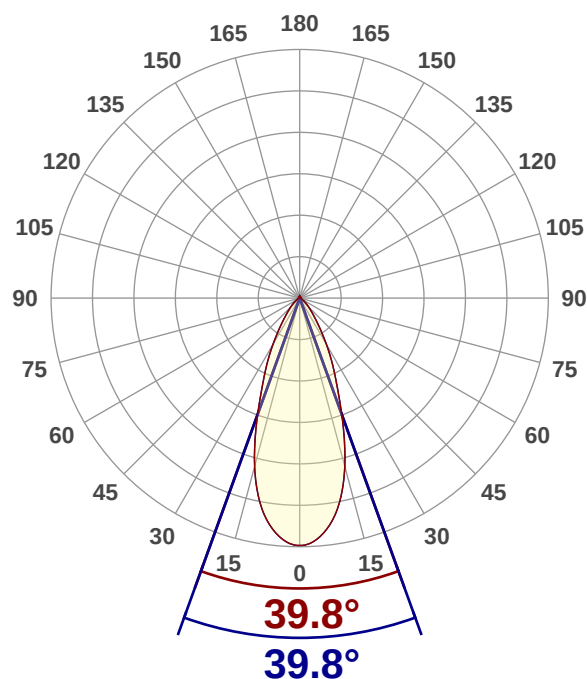
Power: 8.6 W

Voltage: 119 V

Current: 0.073 A

PF: 0.99

THD: 7.89 %



Product name:

DA2010-3038-WH

Driver Used:

Integrated

Test Date:

2/27/2018

Beam Angle:

39.8°

Field Angle:

75.2°

Cut Off Angle:

106.3°

Beam details

*measured at center of beam

Mounting Height (feet)\(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	737 lx	68 fcd	2.9 ft / 0.9 m
8 ft / 2.4 m	184 lx	17 fcd	5.8 ft / 1.8 m
12 ft / 3.7 m	82 lx	8 fcd	8.7 ft / 2.6 m
16 ft / 4.9 m	46 lx	4 fcd	11.6 ft / 3.5 m
20 ft / 6.1 m	29 lx	3 fcd	14.5 ft / 4.4 m

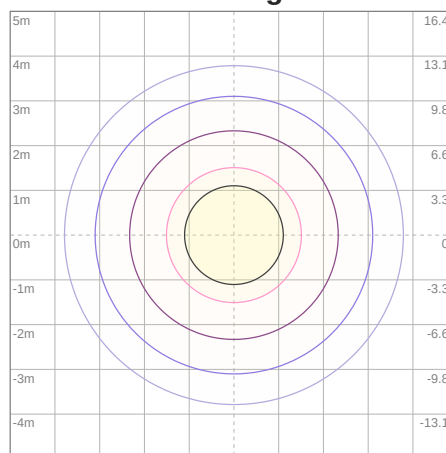
Beam center

Light planning Photometric Testing Report

Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	476	69.19%
0-40	567	82.41%
0-60	633	92.01%
60-90	23.2	3.37%
70-100	16.8	2.44%
90-120	12.5	1.82%
0-90	656	95.35%
90-180	31.8	4.62%
0-180	688	100.00%

ISO lux diagram



Mounting height: 3.05 meters (10 feet)

Lux at center:	118 lx
3%	3.54 lx
5%	5.90 lx
10%	11.80 lx
30%	35.40 lx
50%	59.00 lx

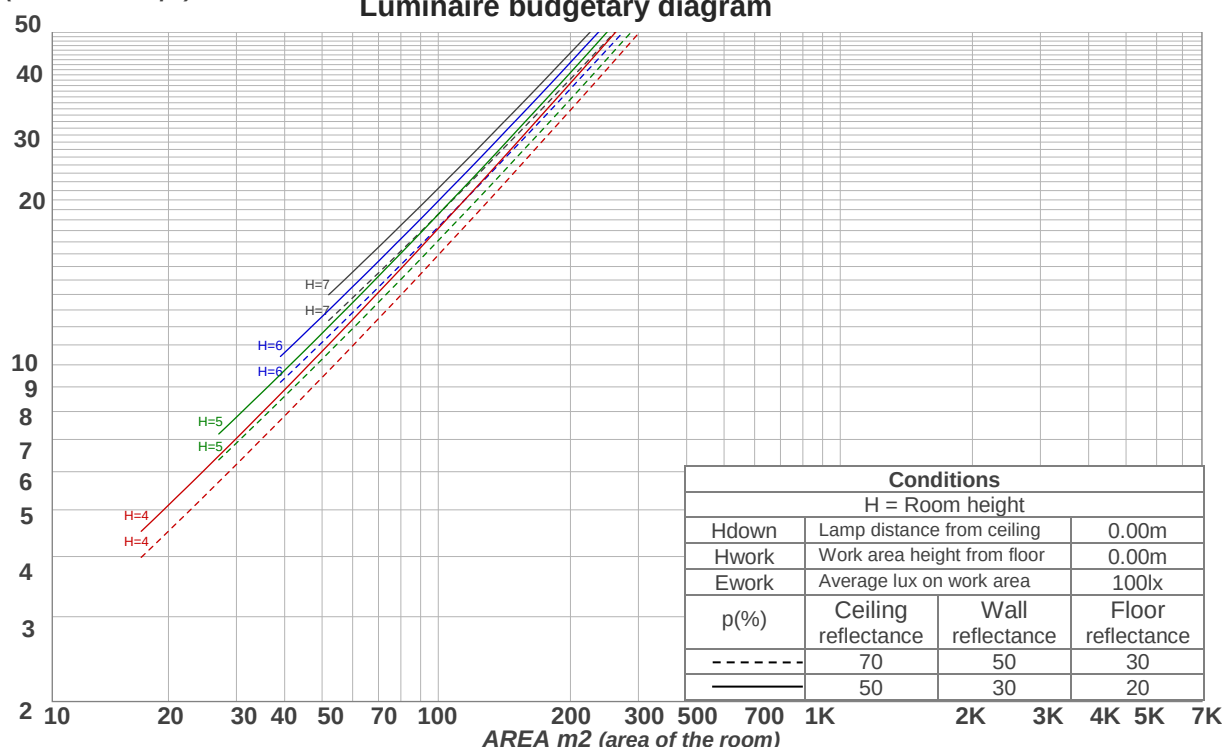
Conditions:
Number of planes: 16
Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface.

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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	95
1	112	109	106	104	109	106	104	102	101	99	98	97	95	94	93	92	90	88
2	106	101	97	93	103	99	95	92	95	92	89	91	89	86	88	86	84	82
3	101	94	89	85	98	92	87	84	89	85	82	86	83	80	83	80	78	76
4	95	88	82	78	93	86	81	77	84	79	76	81	77	74	79	76	73	71
5	91	82	76	72	89	81	76	71	79	74	70	77	73	69	75	71	68	67
6	86	77	71	67	85	76	71	67	74	70	66	73	68	65	71	67	64	63
7	82	73	67	63	81	72	67	63	71	66	62	69	65	61	67	64	61	59
8	79	69	63	59	77	68	63	59	67	62	58	66	61	58	64	60	57	56
9	75	66	60	56	74	65	60	56	64	59	55	63	58	55	61	57	55	53
10	72	63	57	53	71	62	57	53	61	56	53	60	55	52	59	55	52	51

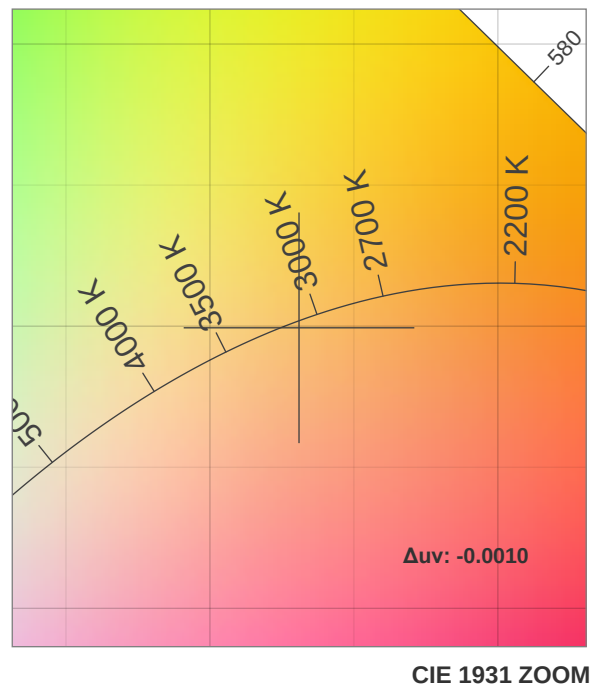
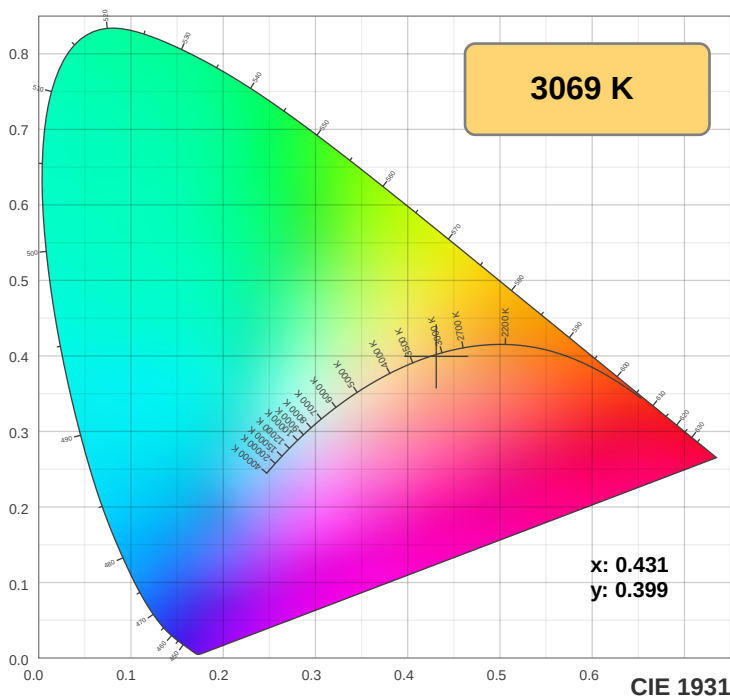
LAMPS (number of lamps)

Luminaire budgetary diagram

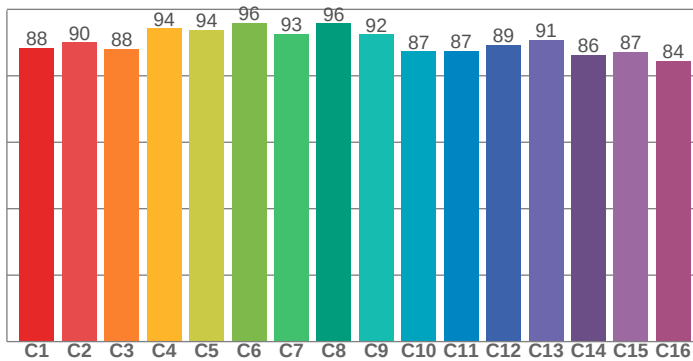


Color details

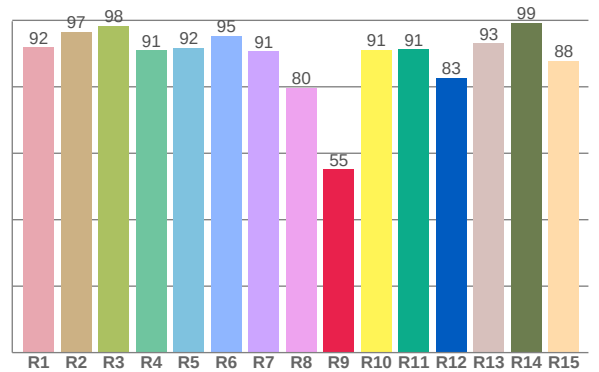
Photometric Testing Report



TM30: 90.4



CRI: 91.9 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
91.8	96.6	98.4	91.1	91.7	95.4	90.7	79.8	55.1	91.1	91.3	82.8	93.1	99.3	87.9

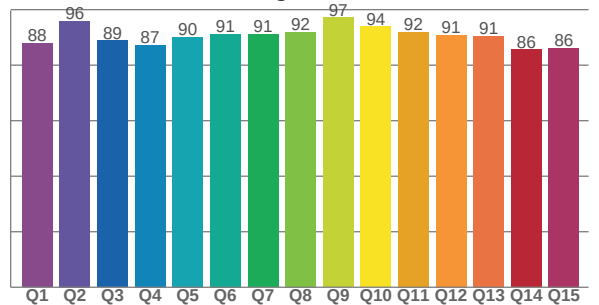
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88.5	90.1	88.1	94.3	93.8	96.0	92.6	95.8	92.4	87.3	87.5	89.4	90.8	86.2	87.1	84.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.9	95.9	88.8	87.3	90.1	91.3	91.1	92.0	97.1	93.9	91.9	90.8	90.6	85.6	86.2

CQS: 90.1



Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3069 K	91.9	55.1	90.4	98.5	90.1	0.431	0.399	0.249	0.346	-0.0010

UGR Photometric Testing Report

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	15.7	16.5	16.0	16.8	17.0	15.7	16.5	16.0	16.8	17.0
	3H	16.1	16.8	16.4	17.1	17.4	16.1	16.8	16.4	17.1	17.4
	4H	16.4	17.0	16.8	17.4	17.7	16.4	17.0	16.8	17.4	17.7
	6H	16.7	17.3	17.1	17.7	18.1	16.7	17.3	17.1	17.7	18.1
	8H	16.9	17.5	17.3	17.9	18.3	16.9	17.5	17.3	17.9	18.3
	12H	17.1	17.7	17.6	18.1	18.5	17.1	17.7	17.6	18.1	18.5
4H	2H	15.7	16.4	16.1	16.7	17.1	15.7	16.4	16.1	16.7	17.1
	3H	16.3	16.8	16.7	17.2	17.6	16.3	16.8	16.7	17.2	17.6
	4H	16.8	17.3	17.2	17.7	18.1	16.8	17.3	17.2	17.7	18.1
	6H	17.3	17.7	17.8	18.2	18.6	17.3	17.7	17.8	18.2	18.6
	8H	17.6	18.0	18.1	18.4	18.9	17.6	18.0	18.1	18.4	18.9
	12H	17.9	18.3	18.4	18.7	19.2	17.9	18.3	18.4	18.7	19.2
8H	4H	17.0	17.3	17.5	17.8	18.3	17.0	17.3	17.5	17.8	18.3
	6H	17.7	18.0	18.2	18.5	19.0	17.7	18.0	18.2	18.5	19.0
	8H	18.1	18.3	18.6	18.8	19.4	18.1	18.3	18.6	18.8	19.4
	12H	18.6	18.8	19.1	19.3	19.9	18.6	18.8	19.1	19.3	19.9
12H	4H	17.0	17.3	17.5	17.8	18.3	17.0	17.3	17.5	17.8	18.3
	6H	17.7	18.0	18.3	18.5	19.1	17.7	18.0	18.3	18.5	19.1
	8H	18.2	18.4	18.8	19.0	19.5	18.2	18.4	18.8	19.0	19.5
Variation of the observer position for the luminaire distance S											
S = 1.0H		+1.2 / -0.9					+1.2 / -0.9				
S = 1.5H		+2.7 / -1.4					+2.7 / -1.4				
S = 2.0H		+4.2 / -1.7					+4.2 / -1.7				
Standard table		BK04					BK04				
Correction summand		0.4					0.4				
Corrected glare indices referring to 688 lm total luminous flux											

Due to our continued efforts to improve our products, product specifications are subject to change without notice. Please refer to our website for the latest test results.