

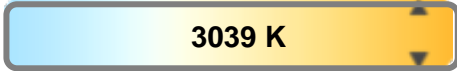
Light efficiency:



Light quality:



Color temperature:



Output: 601 lm

Peak: 919 cd

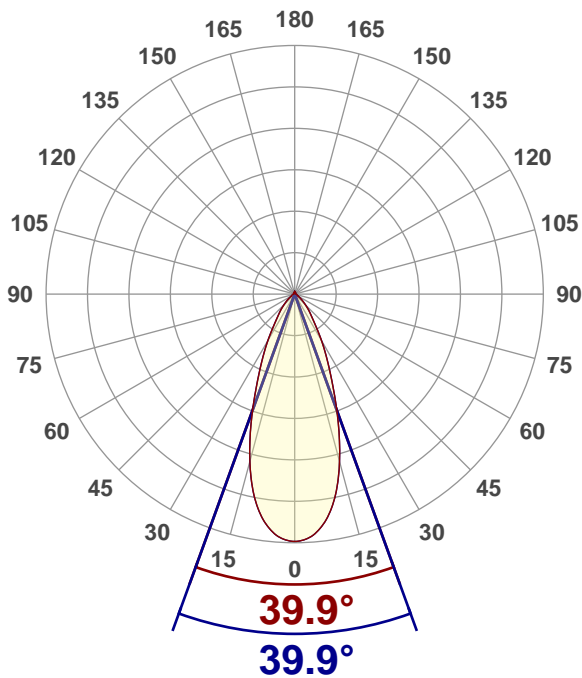
Power: 7.8 W

Voltage: 119 V

Current: 0.066 A

PF: 0.99

THD: 10.86 %



Product name:

SO1008-3038-WH (AO1008-3038-WH)

Driver Used:

Integrated

Test Date:

3/2/2018

Beam Angle:

39.9°

Field Angle:

77.8°

Cut Off Angle:

110.2°

Beam details

**measured at center of beam*

Mounting Height (feet)\(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	619 lx	57 fcd	2.9 ft / 0.9 m
8 ft / 2.4 m	155 lx	14 fcd	5.8 ft / 1.8 m
12 ft / 3.7 m	69 lx	6 fcd	8.7 ft / 2.7 m
16 ft / 4.9m	39 lx	4 fcd	11.6 ft / 3.5 m
20 ft / 6.1m	25 lx	2 fcd	14.5 ft / 4.4 m

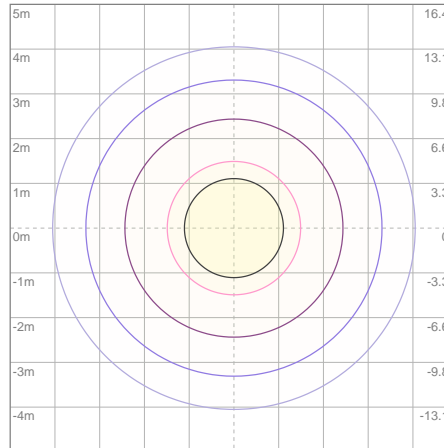
Beam center

Light planning Photometric Testing Report

Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	399	66.39%
0-40	479	79.70%
0-60	545	90.68%
60-90	24.8	4.13%
70-100	18.4	3.06%
90-120	12.9	2.15%
0-90	570	94.84%
90-180	31.4	5.22%
0-180	601	100.00%

ISO lux diagram



Lux at center:		99 lx
—	3%	2.97 lx
—	5%	4.95 lx
—	10%	9.90 lx
—	30%	29.70 lx
—	50%	49.50 lx

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

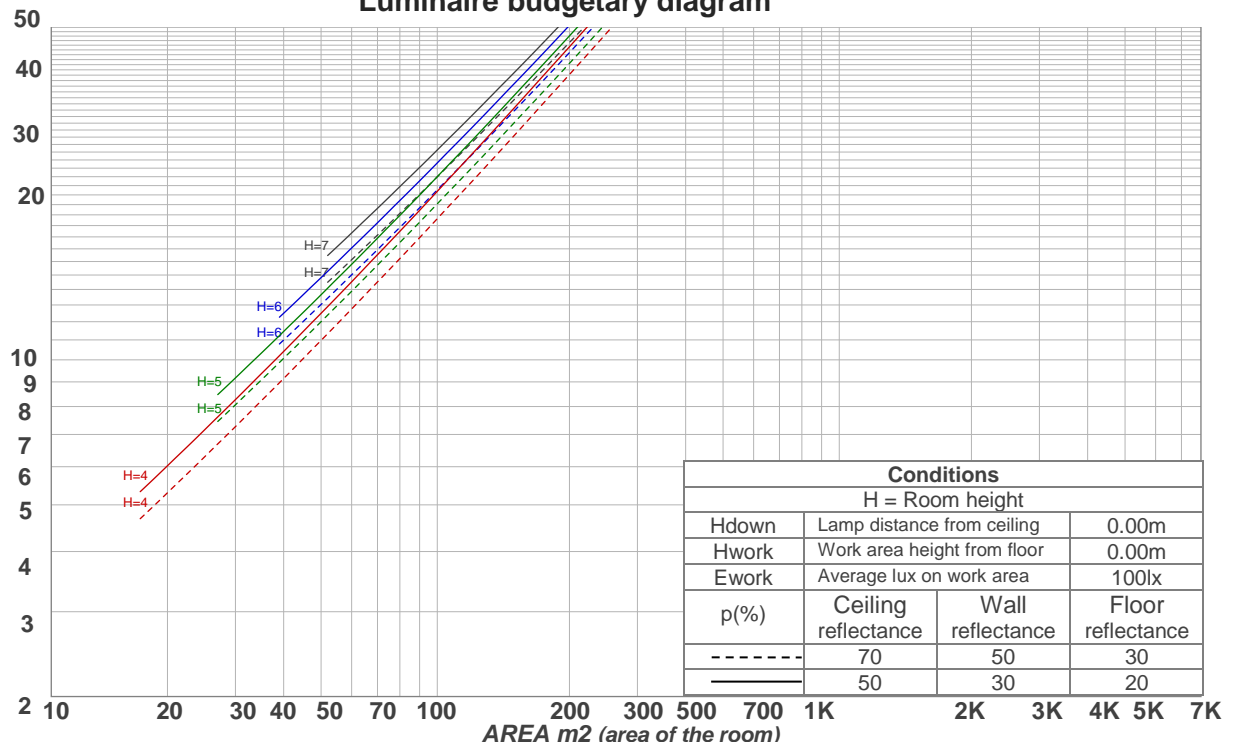
Mounting height: 3.05 meters (10 feet)

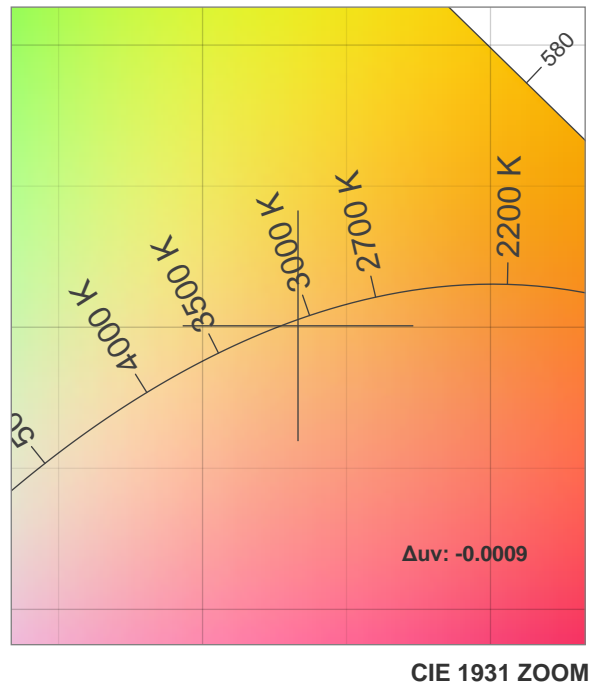
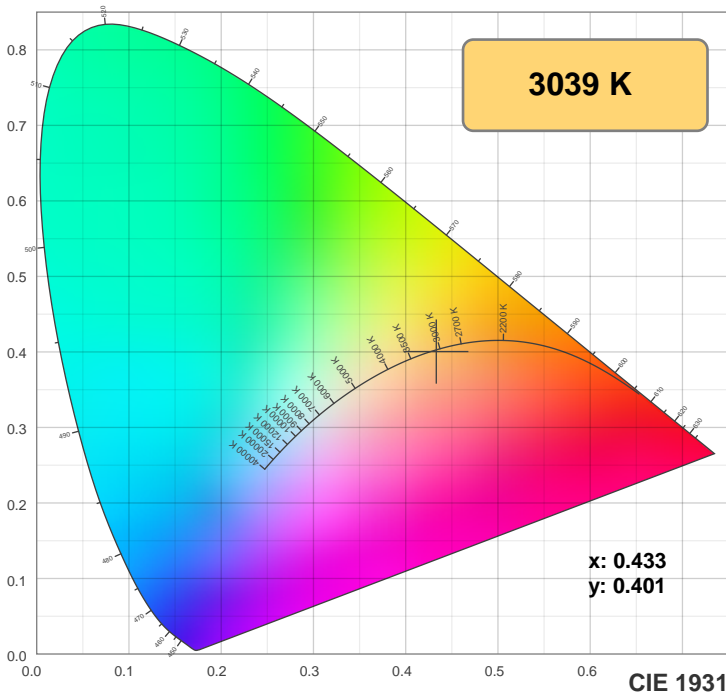
Coefficients of Utilization

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	50	30	10	0
Floor reflectance	20	20	20	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	114	114	114	114	108	108	108	102	102	102	97	97	97	95			
1	111	108	106	103	108	106	103	101	101	99	97	96	94	93	92	91	89	87			
2	105	100	96	92	103	98	94	91	94	91	88	90	87	85	86	84	83	81			
3	100	93	88	83	97	91	86	82	88	84	80	85	81	78	82	79	77	75			
4	95	87	81	76	92	85	80	76	82	78	74	80	76	73	77	74	71	70			
5	90	81	75	71	88	80	74	70	77	73	69	75	71	68	73	70	67	65			
6	85	76	70	66	84	75	69	65	73	68	64	71	67	64	69	66	63	61			
7	81	72	66	61	80	71	65	61	69	64	60	67	63	60	66	62	59	58			
8	78	68	62	58	76	67	61	57	66	60	57	64	60	56	63	59	56	54			
9	74	64	58	54	73	64	58	54	62	57	54	61	57	53	60	56	53	51			
10	71	61	55	52	70	61	55	51	59	54	51	58	54	51	57	53	50	49			

LAMPS (number of lamps)

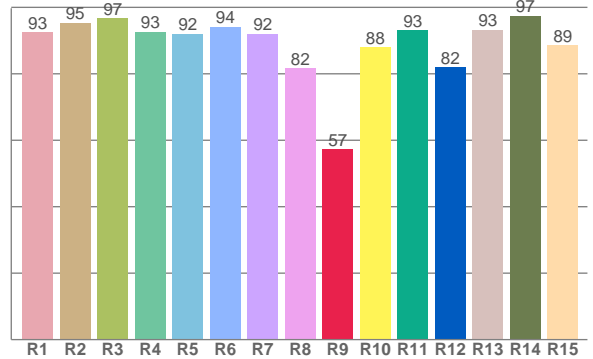
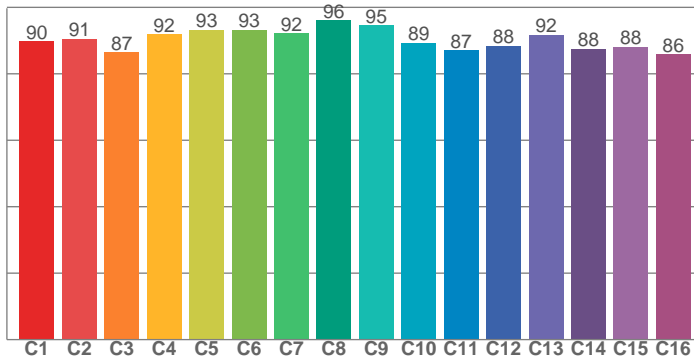
Luminaire budgetary diagram





TM30: 90.4

CRI: 92.1 (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
92.5	95.4	96.7	92.7	92.0	94.2	92.1	81.6	57.4	88.1	93.1	82.0	93.3	97.4	88.5

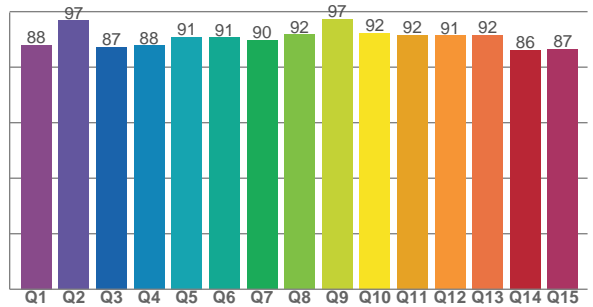
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.7	90.5	86.5	91.8	93.3	93.3	92.2	96.1	94.6	89.3	87.0	88.5	91.7	87.5	88.1	85.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88.1	96.8	87.3	87.8	90.8	90.7	89.7	91.8	97.4	92.4	91.6	91.4	91.6	86.1	86.6

CQS: 90.0



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
3039 K	92.1	57.4	90.4	100.2	90.0	0.433	0.401	0.250	0.346	-0.0009

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	15.8	16.6	16.2	16.9	17.2	15.8	16.6	16.2	16.9	17.2
	3H	16.3	17.0	16.6	17.3	17.6	16.3	17.0	16.6	17.3	17.6
	4H	16.7	17.3	17.1	17.7	18.1	16.7	17.3	17.1	17.7	18.1
	6H	17.2	17.8	17.6	18.1	18.5	17.2	17.8	17.6	18.1	18.5
	8H	17.4	18.0	17.9	18.4	18.8	17.4	18.0	17.9	18.4	18.8
	12H	17.7	18.3	18.2	18.7	19.1	17.7	18.3	18.2	18.7	19.1
4H	2H	15.9	16.6	16.3	16.9	17.3	15.9	16.6	16.3	16.9	17.3
	3H	16.5	17.1	17.0	17.5	17.9	16.5	17.1	17.0	17.5	17.9
	4H	17.2	17.6	17.6	18.1	18.5	17.2	17.6	17.6	18.1	18.5
	6H	17.9	18.3	18.4	18.7	19.2	17.9	18.3	18.4	18.7	19.2
	8H	18.3	18.6	18.8	19.1	19.6	18.3	18.6	18.8	19.1	19.6
	12H	18.7	19.1	19.2	19.5	20.1	18.7	19.1	19.2	19.5	20.1
8H	4H	17.4	17.8	17.9	18.3	18.8	17.4	17.8	17.9	18.3	18.8
	6H	18.3	18.6	18.9	19.1	19.7	18.3	18.6	18.9	19.1	19.7
	8H	18.9	19.1	19.4	19.6	20.2	18.9	19.1	19.4	19.6	20.2
	12H	19.5	19.7	20.1	20.3	20.9	19.5	19.7	20.1	20.3	20.9
12H	4H	17.4	17.8	18.0	18.3	18.8	17.4	17.8	18.0	18.3	18.8
	6H	18.4	18.7	19.0	19.2	19.8	18.4	18.7	19.0	19.2	19.8
	8H	19.0	19.3	19.6	19.8	20.4	19.0	19.3	19.6	19.8	20.4
Variation of the observer position for the luminaire distance S											
S = 1.0H		+0.7 / -0.6					+0.7 / -0.6				
S = 1.5H		+1.8 / -1.1					+1.8 / -1.1				
S = 2.0H		+3.0 / -1.4					+3.0 / -1.4				
Standard table		BK05					BK05				
Correction summand		1.4					1.4				
Corrected glare indices referring to 601 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.