

Light efficiency:

76 Lumen/Watt

Color temperature:

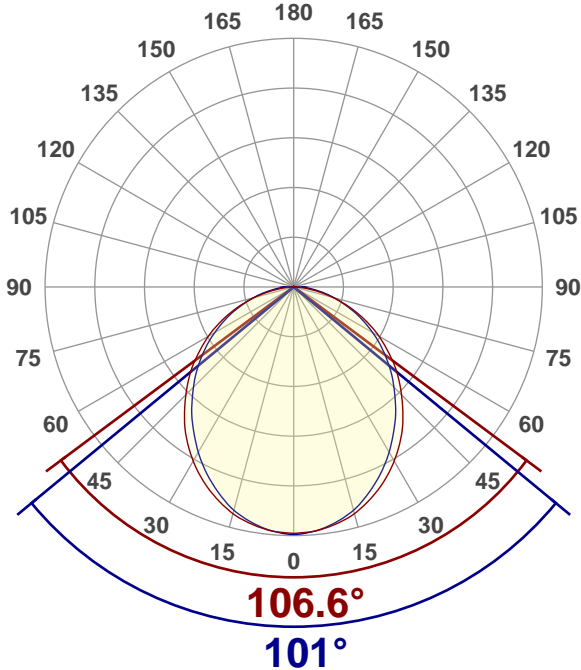
2948 K

Light quality:

CRI:82.1, R_g:83.4, R_f:97.2**P: 3 / V: - / F: -****Output: 894 lm****Peak: 337 cd****Power: 11.8 W****Voltage: 24.0 V****Current: 0.493 A****PF: 1.0****THD: n/a %**

Angular Distribution

0° and 90° plane



Product name:

LED-TP1VH-12-30 AL1715 - 915mm

Test Date:

2022-03-11

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

103.8°

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

160.7°

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

175.4°

Beam Details

*measured at centre of beam

Mounting Height (feet)/(meter)	Lux*	Footcandles*	Beam width (feet) / (meter)
4 ft / 1.2 m	226 lx	21 fc	10.2 ft / 3.1 m
8 ft / 2.4 m	57 lx	5 fc	20.4 ft / 6.2 m
12 ft / 3.7 m	25 lx	2 fc	30.6 ft / 9.3 m
16 ft / 4.9 m	14 lx	1 fc	40.8 ft / 12.4 m
20 ft / 6.1 m	9 lx	1 fc	51 ft / 15.5 m

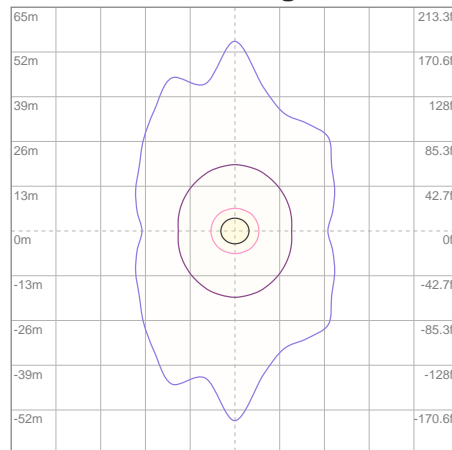
Beam center

Photometric Testing Report

Zonal Lumen Summary

Zone	Lumen	%Luminaire
0-30	253	28.30%
0-40	407	45.53%
0-60	699	78.19%
60-90	182	20.36%
70-100	82.4	9.22%
90-120	7.83	0.88%
0-90	881	98.55%
90-180	13.0	1.45%
0-180	894	100.00%

ISO Lux Diagram



Lux at center:	36 lx
3%	1.08 lx
5%	1.80 lx
10%	3.60 lx
30%	10.80 lx
50%	18.00 lx
Conditions: Number of planes: 8 Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface.	

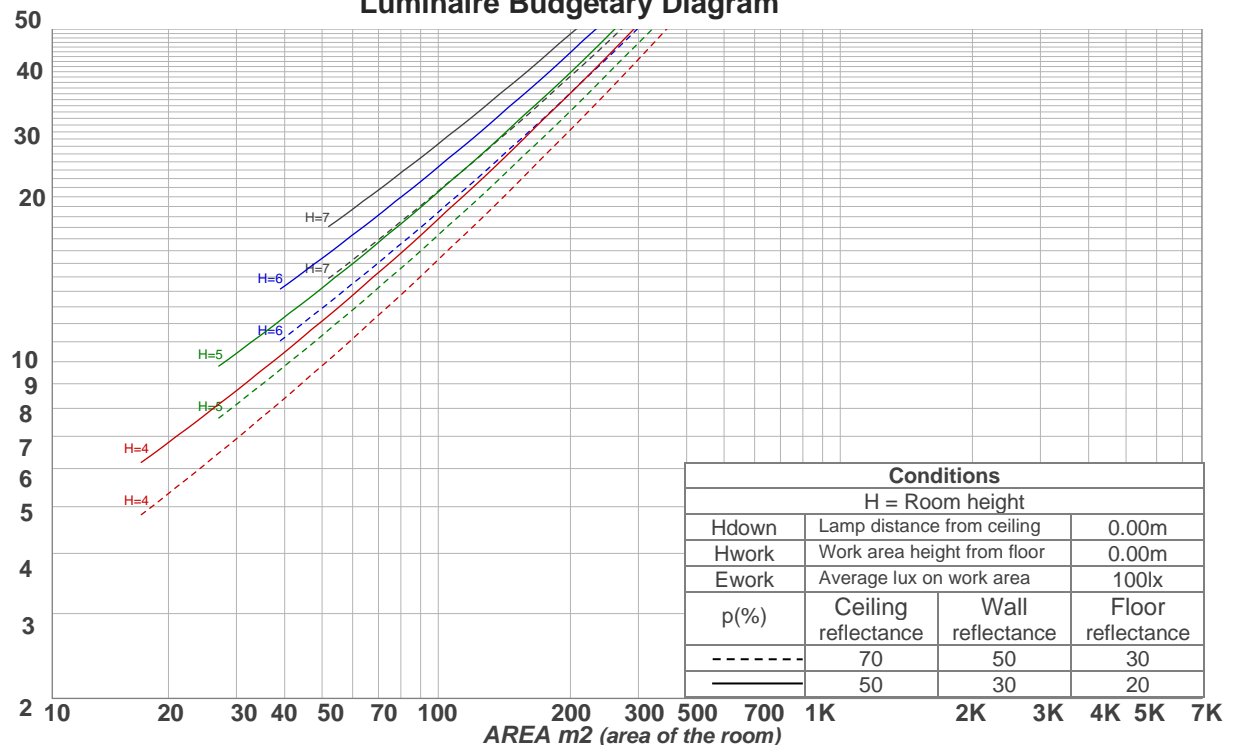
Mounting height: 3.05 meters (10 feet)

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	110	110	110	105	105	105	101	101	101	99
1	108	104	99	96	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	99	90	84	78	96	88	82	77	85	79	75	81	77	73	78	74	71	69
3	90	80	71	65	87	78	70	64	75	68	63	72	66	62	69	64	60	58
4	83	71	62	55	80	69	61	55	66	59	54	64	58	53	62	56	52	50
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	45	43
6	70	57	48	42	68	56	48	41	54	47	41	52	46	41	50	45	40	38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	42	36	32	30
9	57	43	35	30	55	43	35	30	42	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	40	32	27	38	32	27	37	31	27	36	31	26	25

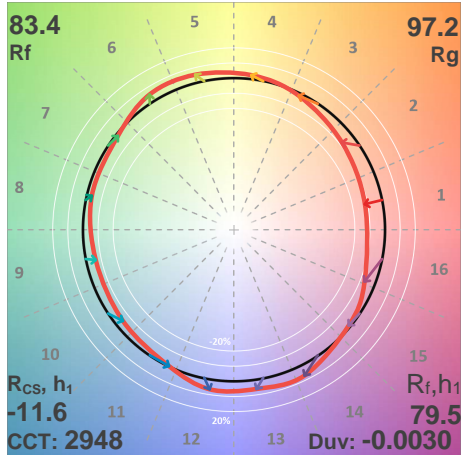
LAMPS (number of lamps)

Luminaire Budgetary Diagram

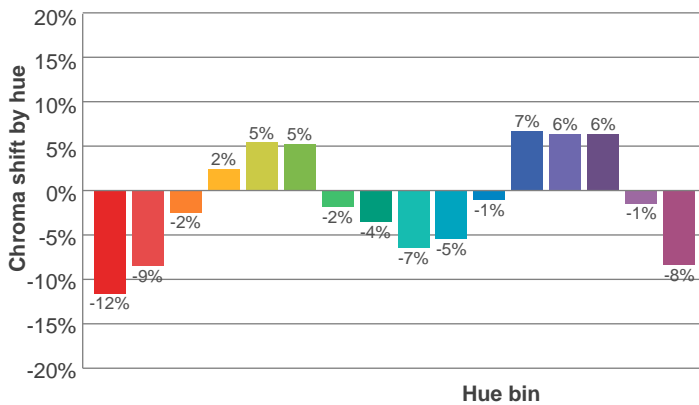
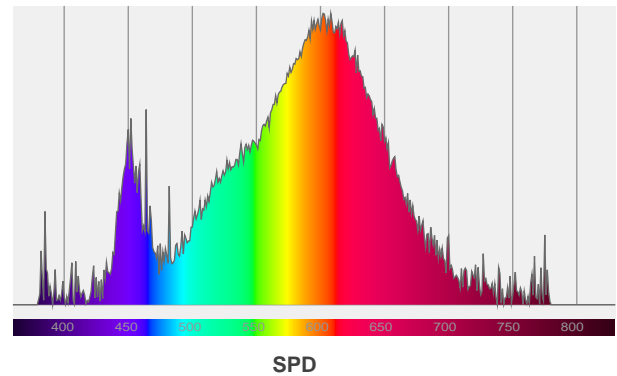
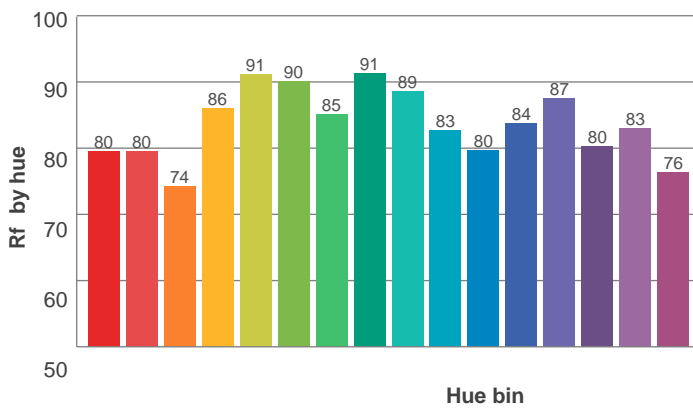
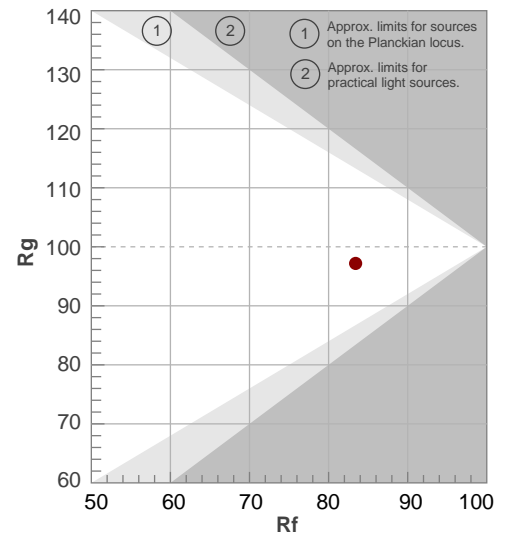


ANSI/IES TM-30-18

P: 3 / V: - / F: -



Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	80	-12%	0%
2	80	-9%	8%
3	74	-2%	13%
4	86	2%	9%
5	91	5%	5%
6	90	5%	-3%
7	85	-2%	-9%
8	91	-4%	-4%
9	89	-7%	2%
10	83	-5%	10%
11	80	-1%	14%
12	84	7%	5%
13	87	6%	-6%
14	80	6%	-15%
15	83	-1%	-10%
16	76	-8%	-17%



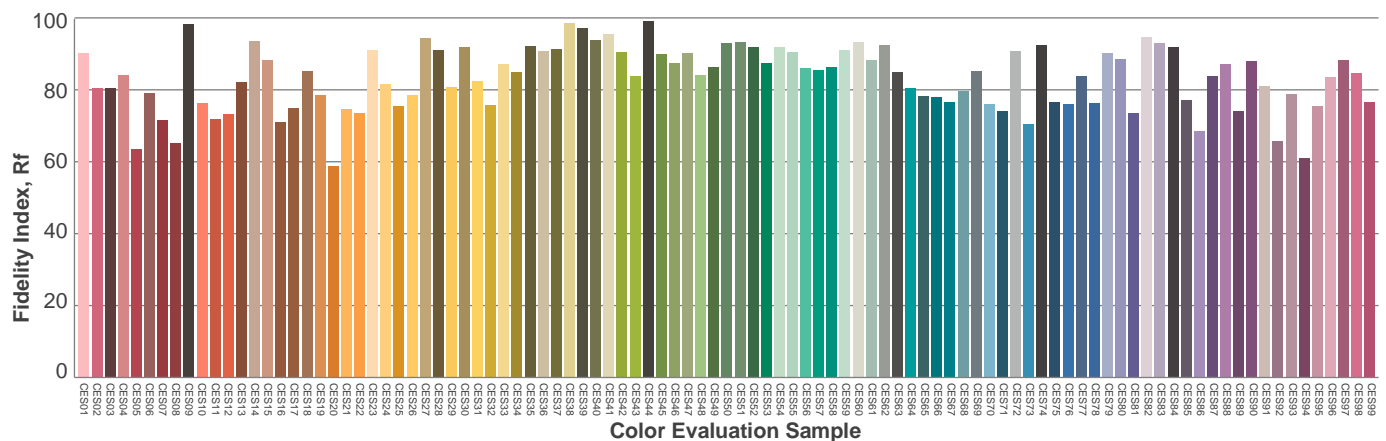
Red: 29.1%, Power=5.5mW

Blue: 8.8%, Power=3.5mW

Green: 25.1%, Power=9.4mW

UVA: 1%, Power=0.0mW

Dominant Wavelength: 585nm

1st Peak Wavelength: 602nm2nd Peak Wavelength: 617nm

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	23.2	24.4	23.4	24.7	24.9	22.9	24.0	23.1	24.3	24.6
	3H	24.6	25.9	25.1	26.1	26.3	24.3	25.5	24.7	25.8	26.0
	4H	25.3	26.4	25.7	26.7	26.9	25.0	26.1	25.4	26.4	26.7
	6H	25.7	26.7	26.0	27.0	27.4	25.6	26.6	25.9	26.9	27.3
	8H	25.8	26.8	26.2	27.1	27.5	25.8	26.8	26.1	27.1	27.5
	12H	25.9	26.8	26.2	27.2	27.6	26.0	26.9	26.4	27.3	27.7
4H	2H	23.8	24.9	24.2	25.2	25.5	23.5	24.7	23.9	24.9	25.2
	3H	25.5	26.5	25.9	26.8	27.3	25.3	26.2	25.6	26.6	27.0
	4H	26.2	27.1	26.6	27.5	28.0	26.0	26.9	26.4	27.3	27.8
	6H	26.7	27.6	27.2	27.9	28.3	26.7	27.5	27.2	27.9	28.2
	8H	26.9	27.7	27.4	28.0	28.4	26.9	27.7	27.4	28.1	28.5
	12H	27.0	27.6	27.5	28.0	28.5	27.2	27.8	27.7	28.3	28.7
8H	4H	26.5	27.3	27.0	27.6	28.0	26.3	27.1	26.8	27.4	27.8
	6H	27.2	27.8	27.7	28.2	28.8	27.1	27.7	27.6	28.2	28.8
	8H	27.4	27.9	27.9	28.5	29.1	27.6	28.1	28.1	28.6	29.2
	12H	27.6	28.0	28.2	28.5	29.2	27.9	28.4	28.5	28.9	29.5
12H	4H	26.5	27.1	27.0	27.6	28.0	26.3	27.0	26.8	27.4	27.9
	6H	27.3	27.8	27.8	28.3	28.9	27.2	27.8	27.8	28.3	28.9
	8H	27.5	28.0	28.1	28.5	29.1	27.7	28.1	28.2	28.6	29.2
Variation of the observer position for the luminaire distance S											
S = 1.0H		0.1 / -0.1					0.1 / -0.1				
S = 1.5H		0.1 / -0.2					0.1 / -0.2				
S = 2.0H		0.4 / -0.5					0.3 / -0.4				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 894 lm total luminous flux											