



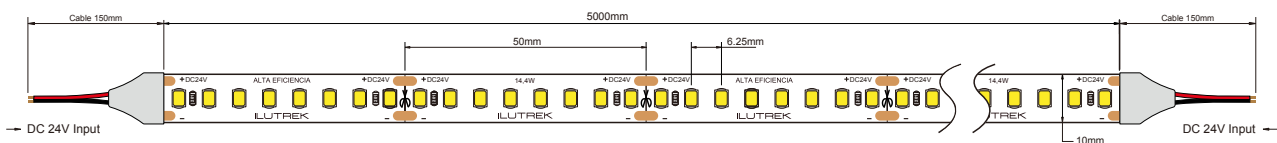
REFERENCIA	Modelo	G/Kelvin	Rendimiento	Lumen/1mt	Eficiencia
24-1090-R	Alcamo	2700K	141,02Lm/w	2031Lm	E
24-1060-R	Alcamo	3000K	144,79Lm/w	2084Lm	E
24-1061-R	Alcamo	4000K	156,54Lm/w	2255Lm	E
24-1062-R	Alcamo	5000K	151,84Lm/w	2186Lm	E

CARACTERÍSTICAS TÉCNICAS

Potencia mt	14,4W
Potencia rollo	72W
CRI	>80
Voltaje	24V
IP	IP20
Tipo de led	2835 SMD
Leds/mt	160
Ángulo	120°
Ancho PCB	10 mm
Altura	2,8 mm
Medida de corte	50 mm

Led Pitch (mm)	6,25 mm
Longitu rollo	5 m
Vida útil	50Kh (L80B20)
Temp. ambiente	-20°-50°C
Temp. almacenamiento	-40°-80°C
Años de garantía	5
Regulable	SI
Necesaria instalación disipación	SI
Lineal máximo inst.	10 m
Pasos McAdam	3
Bin	1

MEDIDAS TIRA LED





DATOS ELECTRICOS

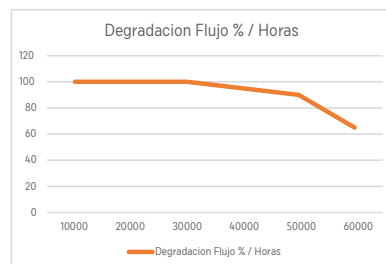
Potencia Nominal	14,5 W
Tramada Maxima	9,2 Mts

Amperios 1mt	0,54 A
Tramada Maxima	4,968 A

RENDIMIENTO LUMENES SEGUN DIFUSOR PERFILERIA

Tonalidad	Difusor Transparente	Difusor Mate	Difusor Negro
2700k	1885 Lm	1560,34 Lm	468,5 Lm
3000k	1917 Lm	1625,52 Lm	521 Lm
4000k	2074,6 Lm	1758,9 Lm	563,75 Lm
5000k	2011,12 Lm	1705,08 Lm	546,50 Lm

DEGRADACIÓN DE FLUJO POR VIDA UTIL



Nomenclatura	L80B20
Horas	50.000 h
% Perdida de flujo	80%
% de Leds	20%

La pérdida de flujo que se indica a continuación serán pasadas las horas de vida utiles totales.

Este valor es en condiciones optimas de la tira de led y siguiendo nuestras indicaciones de instalacion. En caso contrario la degradacion de la tira variara si se presentan las siguientes condiciones:

- Temperatura elevada en el area de trabajo.
- No instalacion de disipador.
- Disipador instalado no adecuado a la tira de led.
- Voltaje de alimentacion superior a las especificaciones de la tira de led.
- Humedad en la zona de trabajo. (Corresponde a la tira de IP20 e IP65 en zonas con agua o condensacion.)

PERCEPCIÓN LUMÍNICA SEGÚN DISTANCIA DE CABLE / SECCIÓN

SECCIÓN	5 mt	10 mt	15 mt	20 mt	25 mt
0,75 mm2	83,86%	83,26%	83,92%	82,99%	...
1,5 mm2		91,67%	83,66%		
2,5 mm2			84,75%		
4 mm2				87,67%	
6 mm2					91,93%

SECCIÓN MINIMA RECOMENDADA SEGÚN CARGA Y DISTANCIA DE CABLE

MTS TIRA	1 mt	5 mt	10 mt	15 mt	20 mt
1 mt	0,5 mm2	0,5 mm2	0,5 mm2	0,5 mm2	0,5 mm2
5 mt	0,5 mm2	0,5 mm2	1,00 mm2	1,5 mm2	2,5 mm2
Mts. Max	0,5 mm2	1,00 mm2	2,5 mm2	2,5 mm2	4 mm2



Sample : 24-1090-R
 Specification : 117
 Sample No. : 1185
 Manufacturer :

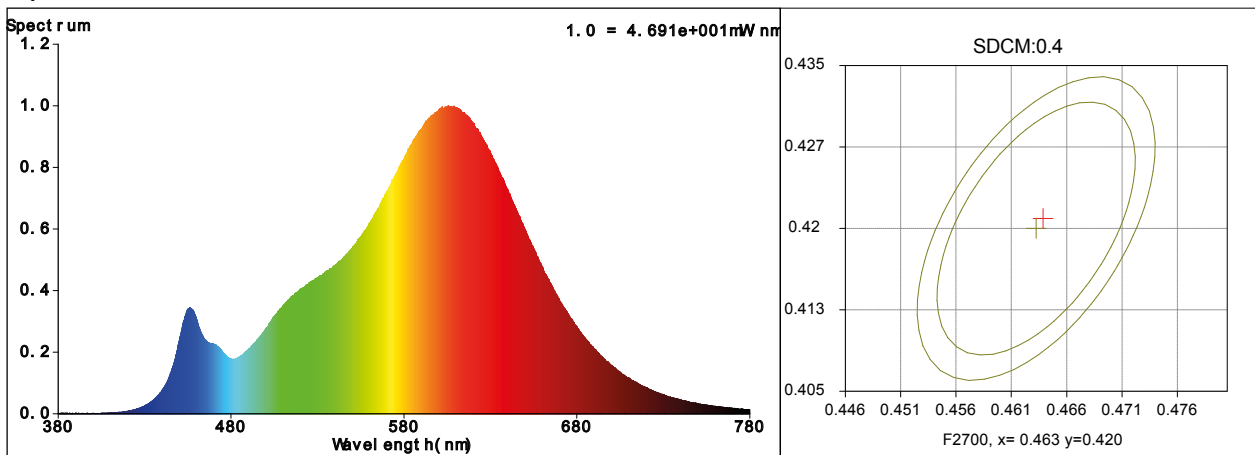
Date : 2023-10-12 09:26:50
 Sam. Status :
 Instrument : HAAS-2000(EVERFINE)
 Test by :

Test Condition

Temperature : 25.3
 WL Range : 380nm-780nm
 Test Mode : Fast Test

RH : 65.0%
 IP : 55373 (84%)
 T : 94 ms
 Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4636$ $y = 0.4209$ / $u' = 0.2603$ $v' = 0.5318$ ($duv=3.44e-03$)

CCT= 2727K Prcp WL: $L_d=583.0nm$ Purity=65.5%

Peak WL: $L_p=606nm$ FWHM: =114.4nm Ratio:R=24.7% G=73.0% B=2.3%

Render Index: $R_a = 81.8$ TM30:Rf=84 Rg=92

R1 =80 R2 =92 R3 =95 R4 =79 R5 =80 R6 =91 R7 =82
 R8 =56 R9 =4 R10=81 R11=79 R12=72 R13=83 R14=98 R15=71

Photometric & Radiometric Parameters

Flux = 2149.0 lm Eff. : 141.02 lm/W $F_e = 6.4816 W$

Electrical parameters

V = 24.00 V I = 0.6350 A P = 15.24 W PF = 1.000
 Freq=0.00 Hz





Sample : 24-1060-R
 Specification :
 Sample No. : 27
 Manufacturer :

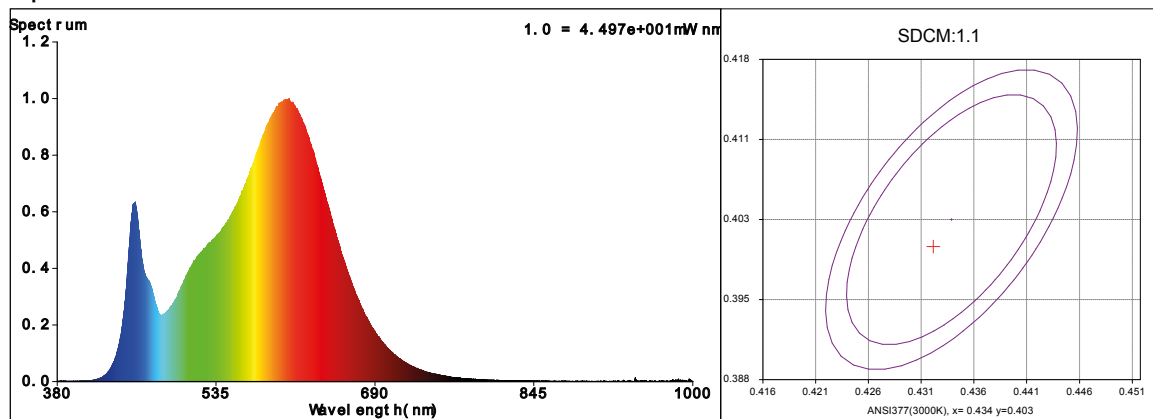
Date : 2022-07-21 17:37:32
 Sam. Status :
 Instrument : HAAS-2000(EVERFINE)
 Test by :
 Assessor : damin

Test Condition

Temperature : 25.3Deg
 WL Range : 380nm-1000nm
 Test Mode : Fast Test

RH : 65.0%
 IP : 52462 (80%)
 T : 644 ms
 Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4321$ $y = 0.4004$ / $u' = 0.2490$ $v' = 0.5192$ ($duv = -7.73e-04$) $Dx, Dy: -0.0011, -0.0023$
 CCT= 3054K Prcp WL: $L_d = 582.9nm$ Purity=49.9%
 Peak WL: $L_p = 606nm$ FWHM: $=122.0nm$ Ratio: R=22.8% G=74.2% B=3.0%

Render Index: $R_a = 82.8$ CRI = 77.4 TM30: $R_f = 82$ $R_g = 94$

R1 =82 R2 =94 R3 =94 R4 =80 R5 =83 R6 =92 R7 =81
 R8 =58 R9 =7 R10=85 R11=79 R12=72 R13=85 R14=97 R15=74
 WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 2167.3 lm Eff. : 144.79 lm/W $F_e = 6.5389 W$
 Photons1: $3.763e+000$ umol/s(400~500nm) Photons2: $1.345e+001$ umol/s(600~700nm)
 Photosynthetic: PPF: 30.555 umol/s PRF WATT: $6359.2mW(400-700nm)$

Electrical parameters

V = 24.00 V I = 0.6237 A P = 14.97 W PF = 1.000 F=0.00 Hz





Sample : 24-1061-R
 Specification :
 Sample No. : 26
 Manufacturer :

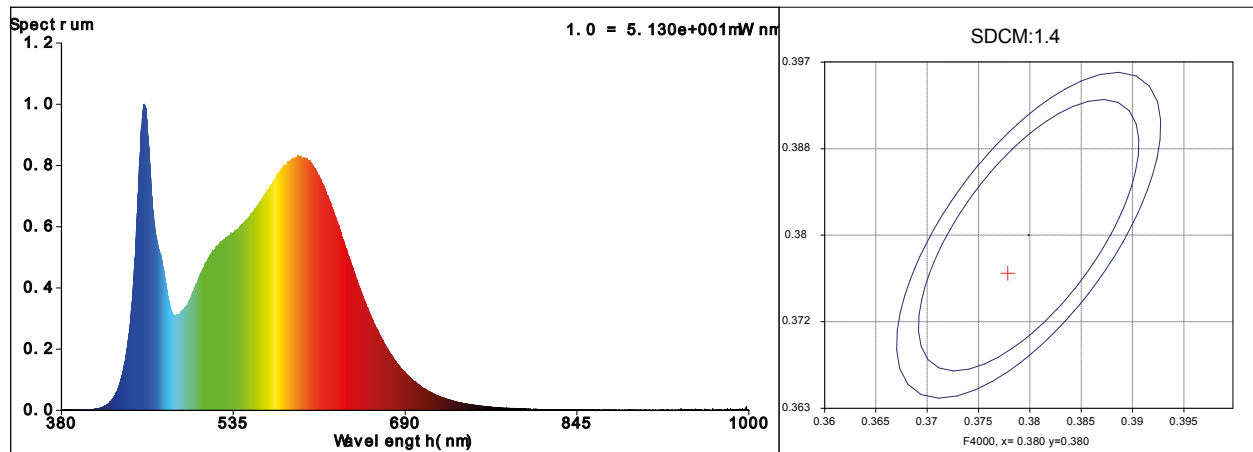
Date : 2022-07-21 17:35:05
 Sam. Status :
 Instrument : HAAS-2000(EVERFINE)
 Test by :
 Assessor : damin

Test Condition

Temperature : 25.3Deg
 WL Range : 380nm-1000nm
 Test Mode : Fast Test

RH : 65.0%
 IP : 50182 (77%)
 T : 644 ms
 Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3780$ $y = 0.3763$ / $u' = 0.2237$ $v' = 0.5010$ ($duv=5.12e-04$) $Dx,Dy:0.0003,0.0013$
 CCT= 4065K Prcp WL: $L_d=578.5nm$ Purity=26.4%
 Peak WL: $L_p=455nm$ FWHM: =23.7nm Ratio:R=18.2% G=77.5% B=4.2%

Render Index: $R_a = 83.5$ CRI = 77.2 TM30:Rf=81 Rg=93

R1 =83 R2 =93 R3 =95 R4 =80 R5 =82 R6 =89 R7 =84
 R8 =62 R9 =7 R10=82 R11=79 R12=62 R13=86 R14=98 R15=76
 WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 2341.8 lm Eff. : 156.64 lm/W $F_e = 7.1671 W$
 Photons1:6.335e+000 umol/s(400~500nm) Photons2:1.150e+001 umol/s(600~700nm)
 Photosynthetic:PPF:33.22umol/s PRF WATT:7120.2mW(400-700nm)

Electrical parameters

V = 24.00 V I = 0.6230 A P = 14.95 W PF = 1.000 F=0.00 Hz





Sample : 24-1062-R
 Specification :
 Sample No. : 28
 Manufacturer :

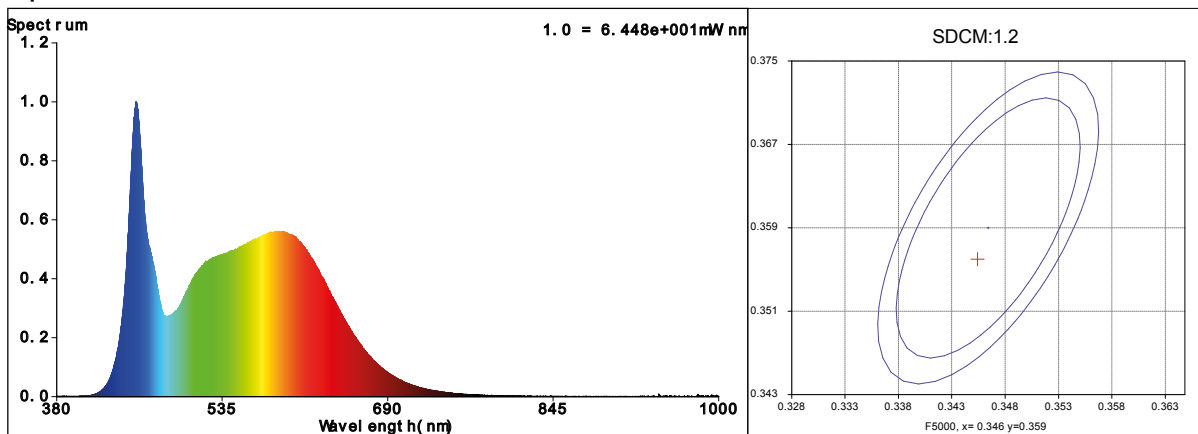
Date : 2022-07-21 17:40:21
 Sam. Status :
 Instrument : HAAS-2000(EVERFINE)
 Test by :
 Assessor : damin

Test Condition

Temperature : 25.3Deg
 WL Range : 380nm-1000nm
 Test Mode : Fast Test

RH : 65.0%
 IP : 58754 (90%)
 T : 644 ms
 Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3450$ $y = 0.3561$ / $u' = 0.2096$ $v' = 0.4868$ ($duv=2.26e-03$) $Dx,Dy:0.0004,0.0049$
 CCT= 5019K Prcp WL: Ld=570.3nm Purity=10.4%
 Peak WL: Lp=454nm FWHM: =21.3nm Ratio:R=16.0% G=78.8% B=5.1%

Render Index: Ra = 85.1 CRI = 79.0 TM30:Rf=82 Rg=94

R1 =84 R2 =93 R3 =95 R4 =83 R5 =84 R6 =88 R7 =86
 R8 =67 R9 =14 R10=82 R11=83 R12=63 R13=87 R14=98 R15=79
 WHITE:ANSI_5000K

Photometric & Radiometric Parameters

Flux = 2274.4 lm Eff. : 151.84 lm/W Fe = 7.0892 W
 Photons1:7.576e+000 umol/s(400~500nm) Photons2:9.577e+000 umol/s(600~700nm)
 Photosynthetic:PPF:31.935umol/s PRF WATT:6965.7mW(400-700nm)

Electrical parameters

V = 24.00 V I = 0.6241 A P = 14.98 W PF = 1.000 F=0.00 Hz

