



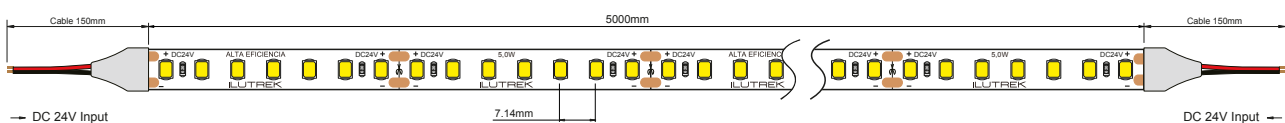
REFERENCIA	Modelo	G/Kelvin	Rendimiento	Lumen/1mt	Eficiencia
24-1019-R	Como	2700K	131,90Lm/w	660Lm	E
24-1020-R	Como	3000K	136,00Lm/w	680Lm	E
24-1021-R	Como	4000K	144,90Lm/w	725Lm	E
24-1022-R	Como	5000K	145,30Lm/w	726Lm	E

CARACTERÍSTICAS TÉCNICAS

Potencia mt	5W
Potencia rollo	25W
CRI	>80
Voltaje	24V
IP	IP20
Tipo de led	2835 SMD
Leds/mt	140
Ángulo	120°
Ancho PCB	8 mm
Altura	1,5 mm
Medida de corte	50 mm

Led Pitch (mm)	7,14 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





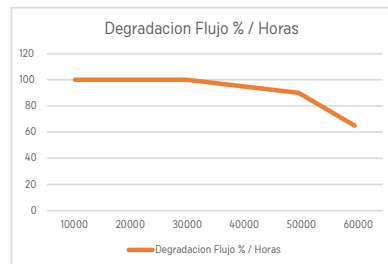
DATOS ELECTRICOS

Potencia Nominal	7,2 W
Tramada Maxima	9,5 Mts
Amperios 1mt	0,3 A
Tramada Maxima	2,85 A

RENDIMIENTO LUMENES SEGUN DIFUSOR PERFILERIA

Tonalidad	Difusor Transparente	Difusor Mate	Difusor Negro
2700k	865,28 Lm	733,61 Lm	235,13 Lm
3000k	970,48 Lm	822,8 Lm	263,72 Lm
4000k	1019,91 Lm	864,7 Lm	277,15 Lm
5000k	952 Lm	807,13 Lm	258,69 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	91,69%	92,05%	92,2%	92,2%	...
1,5 mm2		96,59%	92,05%		
2,5 mm2			92,82%		
4 mm2				94,41%	
6 mm2					96,88%

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	0,5 mm2	0,75 mm2	1 mm2
Mts. Max	0,5 mm2	0,5 mm2	1 mm2	1,5 mm2	2,5 mm2





Sample : 24-1019-R
 Specification :
 Sample No. : 68
 Manufacturer :

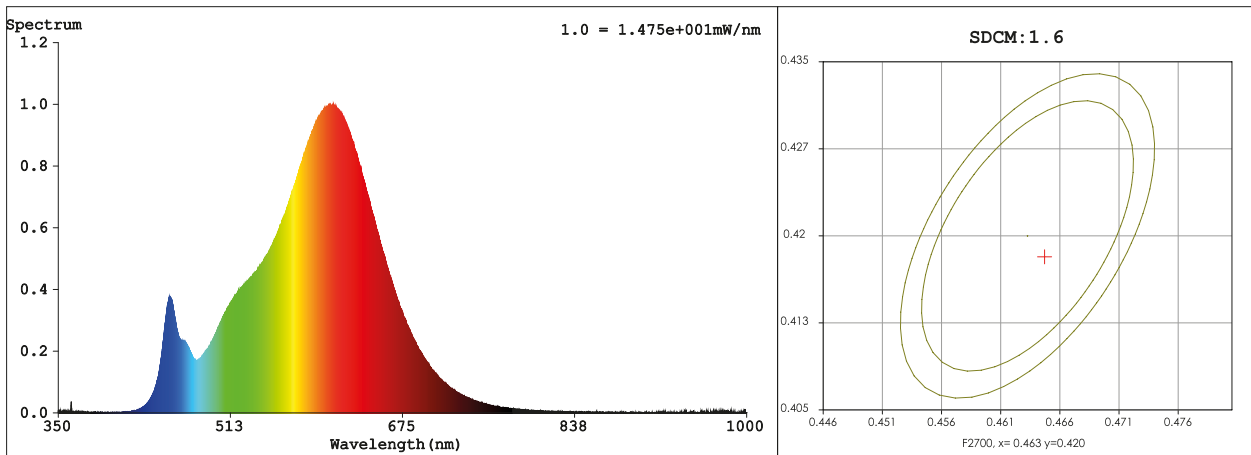
Date: 2022-01-08 16:22:49
 Sam. Status :
 Instrument : HAAS-2000(EVERFINE)
 Test by :
 Assessor : damin

Test Condition

Temprature : 25.3Deg
 WL Range : 350nm-1000nm
 Test Mode : Fast Test

RH : 65.0%
 IP : 51680 (79%)
 T : 1872 ms
 Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4644$ $y = 0.4182$ / $u' = 0.2620$ $v' = 0.5309$ ($duv=2.41e-03$) $Dx,Dy:0.0042,0.0075$
 CCT= 2696K Prcp WL: $Ld=583.5nm$ Purity=65.0%
 Peak WL: $Lp=610nm$ FWHM: $=114.0nm$ Ratio:R=25.1% G=72.6% B=2.3%

Render Index: $Ra = 82.4$ TM30:Rf=82 Rg=93

R1 =81 R2 =92 R3 =95 R4 =80 R5 =81 R6 =92 R7 =81
 R8 =57 R9 =6 R10=83 R11=79 R12=73 R13=84 R14=98 R15=72

Photometric & Radiometric Parameters

Flux = 667.33 lm Eff. : 131.90 lm/W $Fe = 2.0344 W$
 Photons1: $8.043e-001$ umol/s(400~500nm) Photons2: $4.754e+000$ umol/s(600~700nm)
 Photosynthetic:PPF: 9.5841 umol/s PRF WATT: $1960mW(400-700nm)$

Electrical parameters

V = 24.00 V I = 0.2108 A P = 5.059 W PF = 1.000 F=0.00 Hz





Sample : 24-1020-R
 Specification :
 Sample No. : 74
 Manufacturer :

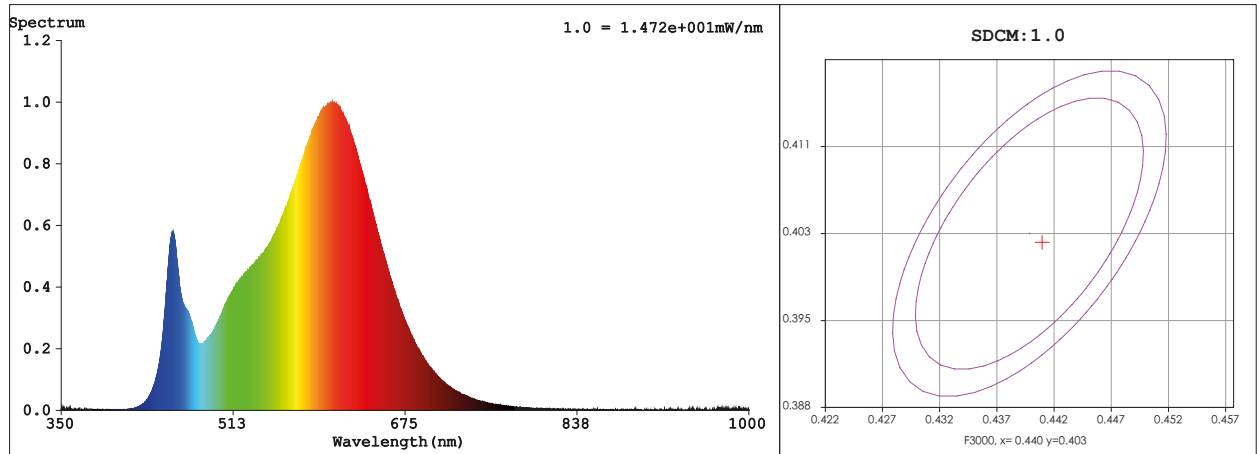
Date : 2022-01-08 16:40:25
 Sam. Status :
 Instrument : HAAS-2000(EVERFINE)
 Test by :
 Assessor : damin

Test Condition

Temperature : 25.3Deg
 WL Range : 350nm-1000nm
 Test Mode : Fast Test

RH : 65.0%
 IP : 49859 (76%)
 T : 1809 ms
 Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4411$ $y = 0.4022$ / $u' = 0.2541$ $v' = 0.5213$ ($duv = -1.27e-03$) $Dx, Dy: -0.0019, -0.0038$
 CCT= 2916K Prcp WL: $L_d = 583.6nm$ Purity=53.1%
 Peak WL: $L_p = 607nm$ FWHM: =117.1nm Ratio:R=23.8% G=73.4% B=2.8%

Render Index: $R_a = 83.1$ TM30:Rf=82 Rg=95

R1 =83 R2 =94 R3 =93 R4 =80 R5 =83 R6 =93 R7 =81
 R8 =58 R9 =9 R10=86 R11=80 R12=74 R13=86 R14=97 R15=75

Photometric & Radiometric Parameters

Flux = 690.02 lm Eff. : 136.00 lm/W $F_e = 2.1031 W$
 Photons1: $1.118e+000$ umol/s(400~500nm) Photons2: $4.533e+000$ umol/s(600~700nm)
 Photosynthetic:PPF: 9.8539 umol/s PRF WATT: $2040.3mW(400-700nm)$

Electrical parameters

V = 24.00 V I = 0.2114 A P = 5.074 W PF = 1.000 F=0.00 Hz





Sample : 24-1021-R
 Specification :
 Sample No. : 77
 Manufacturer :

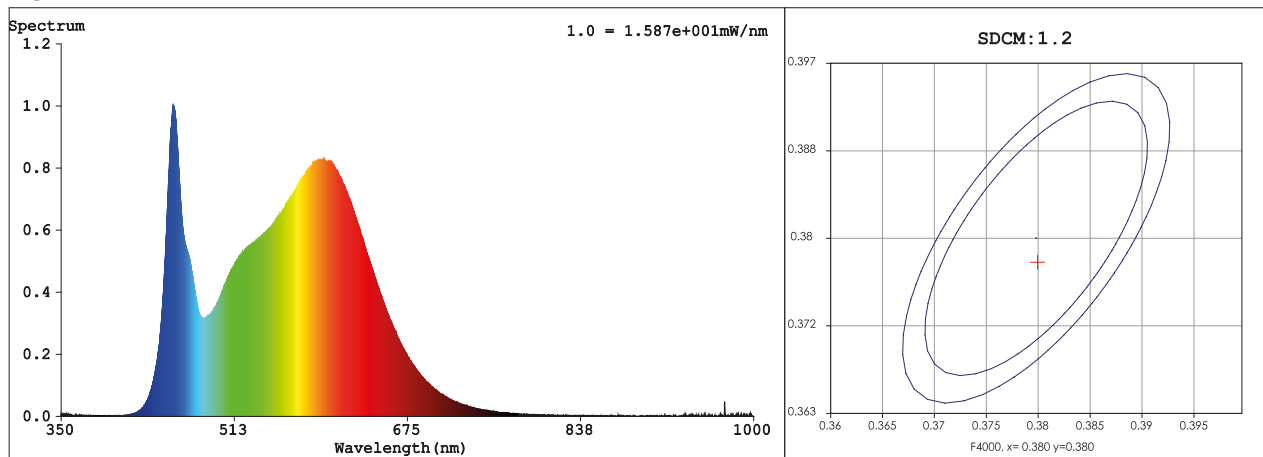
Date : 2022-01-08 16:46:26
 Sam. Status :
 Instrument : HAAS-2000(EVERFINE)
 Test by :
 Assessor : damin

Test Condition

Temperature : 25.3Deg
 WL Range : 350nm-1000nm
 Test Mode : Fast Test

RH : 65.0%
 IP : 52021 (79%)
 T : 2104 ms
 Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3801$ $y = 0.3777$ / $u' = 0.2245$ $v' = 0.5020$ ($duv=5.32e-04$) $Dx,Dy:0.0003,0.0013$

CCT= 4014K Prcp WL: $Ld=578.7nm$ Purity=27.4%

Peak WL: $Lp=455nm$ FWHM: =23.6nm Ratio:R=18.5% G=77.2% B=4.3%

Render Index: $Ra = 83.6$ TM30:Rf=81 Rg=93

R1 =83 R2 =94 R3 =95 R4 =80 R5 =83 R6 =90 R7 =83

R8 =62 R9 =8 R10=84 R11=79 R12=62 R13=87 R14=98 R15=76

Photometric & Radiometric Parameters

Flux = 737.59 lm Eff. : 144.90 lm/W $Fe = 2.2319 W$

Photons1:1.926e+000 umol/s(400~500nm) Photons2:3.576e+000 umol/s(600~700nm)

Photosynthetic:PPF:10.208umol/s PRF WATT:2184.9mW(400-700nm)

Electrical parameters

V = 24.00 V I = 0.2121 A P = 5.090 W PF = 1.000 F=0.00 Hz





Sample : 24-1022-R
 Specification :
 Sample No. : 100
 Manufacturer :

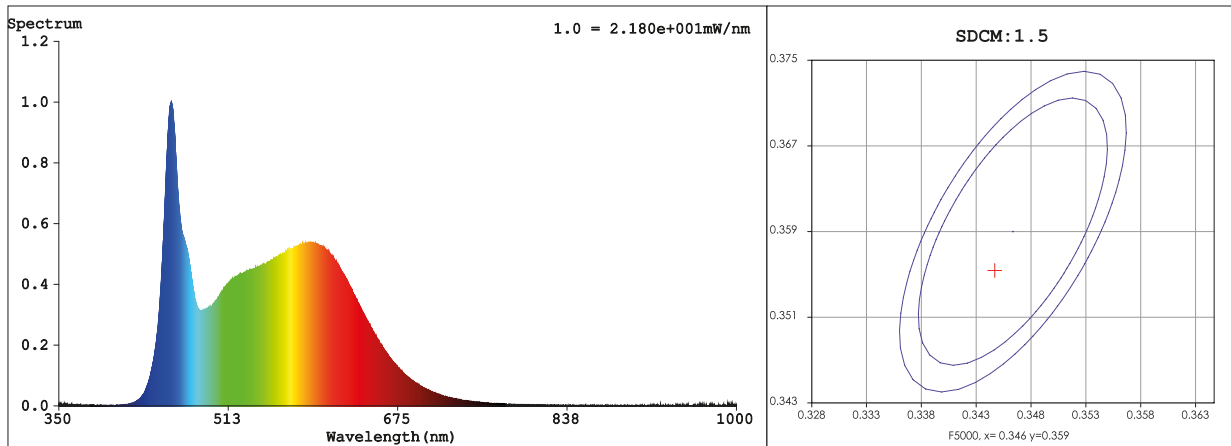
Date : 2022-01-09 10:50:29
 Sam. Status :
 Instrument : HAAS-2000(EVERFINE)
 Test by :
 Assessor : damin

Test Condition

Temperature : 25.3Deg
 WL Range : 350nm-1000nm
 Test Mode : Fast Test

RH : 65.0%
 IP : 52468 (80%)
 T : 1591 ms
 Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3443$ $y = 0.3555$ / $u' = 0.2094$ $v' = 0.4864$ ($duv=2.23e-03$) $Dx,Dy:0.0003,0.0047$
 CCT= 5040K Prcp WL: $Ld=569.9nm$ Purity=10.0%
 Peak WL: $Lp=458nm$ FWHM: $=24.1nm$ Ratio:R=16.3% G=77.8% B=5.9%

Render Index: $Ra = 85.8$ TM30:Rf=81 Rg=92

R1 =87 R2 =97 R3 =93 R4 =81 R5 =86 R6 =92 R7 =83
 R8 =68 R9 =22 R10=92 R11=81 R12=65 R13=91 R14=97 R15=81

Photometric & Radiometric Parameters

Flux = 734.06 lm Eff. : 145.30 lm/W $Fe = 2.3227 W$
 Photons1: $2.577e+000$ umol/s(400~500nm) Photons2: $3.162e+000$ umol/s(600~700nm)
 Photosynthetic:PPF: 10.456 umol/s PRF WATT: $2279.2mW(400-700nm)$

Electrical parameters

V = 24.00 V I = 0.2105 A P = 5.052 W PF = 1.000 F=0.00 Hz

