

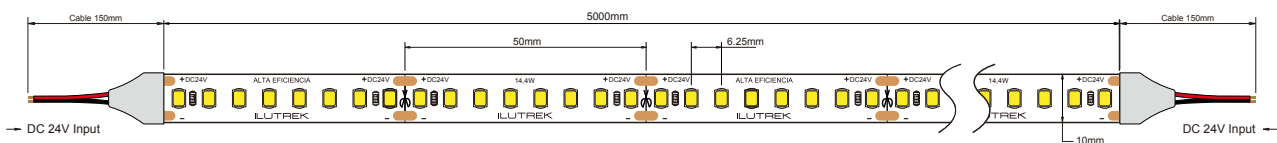


REFERENCIA	Modelo	G/Kelvin	Rendimiento	Lumen/1mt	Eficiencia
24-1091-R	Alcamo	2700K	124,80Lm/w	1845Lm	E
24-1063-R	Alcamo	3000K	131,16Lm/w	1888Lm	E
24-1064-R	Alcamo	4000K	141,50Lm/w	2037Lm	E
24-1065-R	Alcamo	5000K	140,46Lm/w	2022Lm	E

### CARACTERÍSTICAS TÉCNICAS

Potencia mt	14,4W	Led Pitch (mm)	6,25 mm
Potencia rollo	72W	Longitu rollo	5 m
CRI	>80	Vida útil	50Kh (L80B20)
Voltaje	24V	Temp. ambiente	-20°-50°C
IP	IP20	Temp. almacenamiento	-40°-80°C
Tipo de led	2835 SMD	Años de garantía	5
Leds/mt	160	Regulable	SI
Ángulo	120°	Necesaria instalación disipación	SI
Ancho PCB	10 mm	Lineal máximo inst.	10 m
Altura	2,8 mm	Pasos McAdam	3
Medida de corte	50 mm	Bin	1

### MEDIDAS TIRA LED





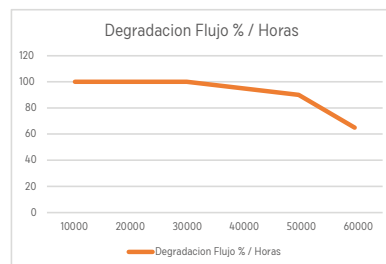
### DATOS ELECTRICOS

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 útiles 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

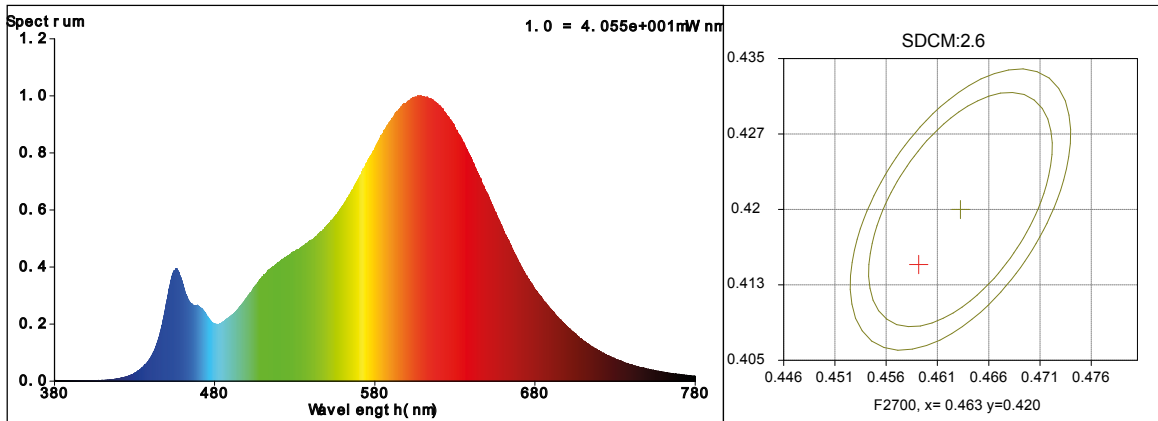


Sample	: 24-1091	Date	: 2023-10-24 20:09:39
Specification	:	Sam. Status	:
Sample No.	: 797	Instrument	: HAAS-2000(EVERFINE)
Manufacturer	:	Test by	:

**Test Condition**

Temperature	: 25.3	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 54030 (82%)
Test Mode	: Fast Test	T	: 106 ms
		Sensitivity	: High

**Spectrum**



**Colorimetric Parameters**

Chromaticity Coordinate:  $x = 0.4589$   $y = 0.4146$  /  $u' = 0.2601$   $v' = 0.5287$  ( $duv=1.57e-03$ )

CCT= 2744K Prcp WL: Ld=583.5nm Purity=62.2%

Peak WL: Lp=607nm FWHM: =120.4nm Ratio:R=25.0% G=72.5% B=2.5%

Render Index: Ra = 84.8 TM30:Rf=86 Rg=94

R1 =84 R2 =94 R3 =95 R4 =82 R5 =84 R6 =94 R7 =83

R8 =62 R9 =18 R10=87 R11=83 R12=77 R13=87 R14=98 R15=76

**Photometric & Radiometric Parameters**

Flux = 1878.0 lm Eff. : 128.06 lm/W Fe = 5.8858 W

**Electrical parameters**

V = 24.00 V I = 0.6111 A P = 14.67 W PF = 1.000

Freq=0.00 Hz





Sample : 24-1063-R  
 Specification :  
 Sample No. : 4  
 Manufacturer :

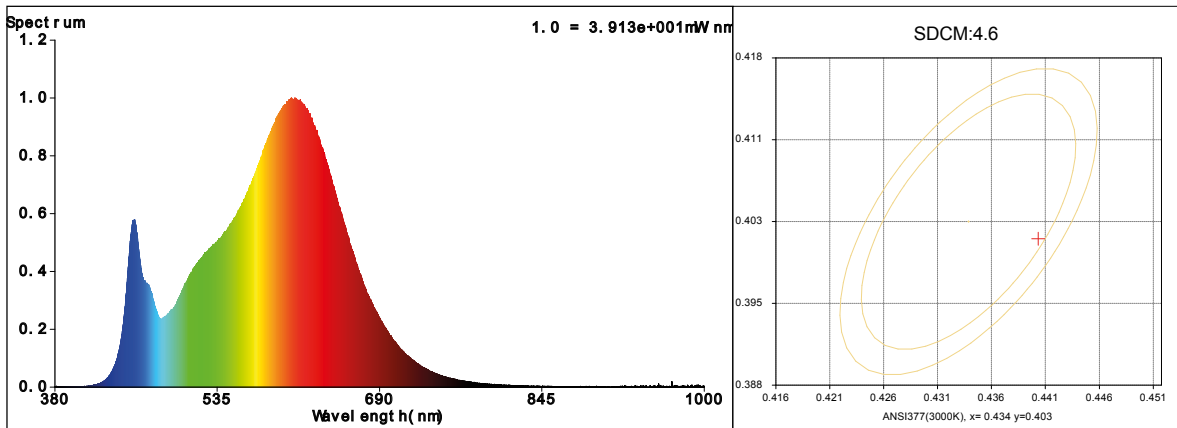
Date : 2022-07-22 08:03:02  
 Sam. Status :  
 Instrument : HAAS-2000(EVERFINE)  
 Test by :  
 Assessor : damin

**Test Condition**

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

RH : 65.0%  
 IP : 39857 (61%)  
 T : 561 ms  
 Sensitivity : High

**Spectrum**



**Colorimetric Parameters**

Chromaticity Coordinate:  $x = 0.4403$   $y = 0.4014$  /  $u' = 0.2539$   $v' = 0.5208$  ( $duv = -1.49e-03$ )  $Dx, Dy: -0.0023, -0.0045$   
 CCT= 2923K Prcp WL:  $L_d = 583.7nm$  Purity=52.6%  
 Peak WL:  $L_p = 606nm$  FWHM:  $\approx 127.7nm$  Ratio: R=24.2% G=72.9% B=2.9%

Render Index:  $R_a = 86.2$  CRI = 82.1 TM30:  $R_f = 84$   $R_g = 96$

R1 =86 R2 =96 R3 =94 R4 =84 R5 =87 R6 =95 R7 =83  
 R8 =65 R9 =24 R10=90 R11=84 R12=77 R13=89 R14=98 R15=79  
 WHITE:ANSI\_3000K

**Photometric & Radiometric Parameters**

Flux = 1865.8 lm Eff. : 131.16 lm/W  $F_e = 5.9154 W$   
 Photons1:  $3.104e+000$  umol/s(400~500nm) Photons2:  $1.314e+001$  umol/s(600~700nm)  
 Photosynthetic: PPF: 27.529umol/s PRF WATT: 5681.6mW(400-700nm)

**Electrical parameters**

V = 24.00 V I = 0.5927 A P = 14.23 W PF = 1.000 F=0.00 Hz





Sample : 24-1064-R  
 Specification :  
 Sample No. : 30  
 Manufacturer :

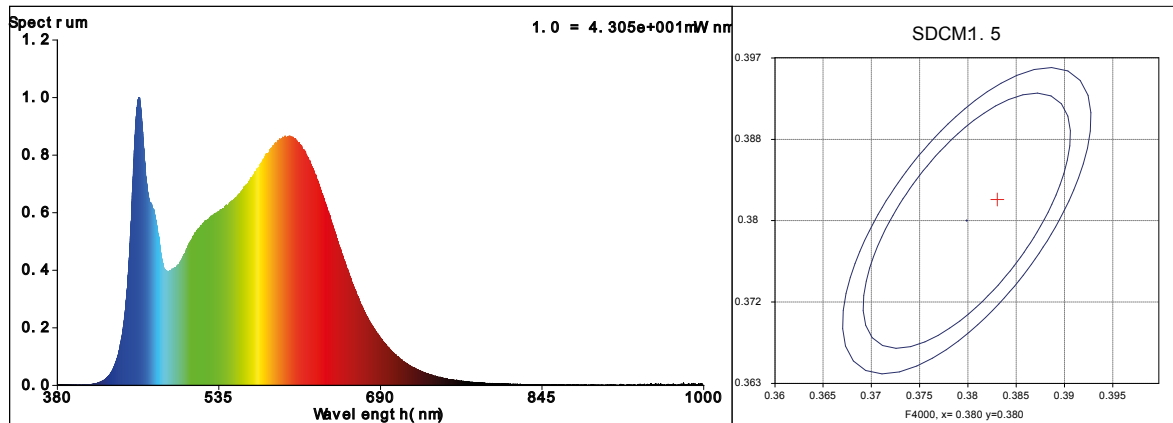
Date : 2022-07-21 17:49:33  
 Sam. Status :  
 Instrument : HAAS-2000(EVERFINE)  
 Test by :  
 Assessor : damin

**Test Condition**

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

RH : 65.0%  
 IP : 43422 (66%)  
 T : 644 ms  
 Sensitivity : High

**Spectrum**



**Colorimetric Parameters**

Chromaticity Coordinate:  $x = 0.3831$   $y = 0.3822$  /  $u' = 0.2259$   $v' = 0.5039$  ( $duv=7.88e-04$ )  $Dx,Dy:0.0006,0.0021$   
 CCT= 3976K Prcp WL:  $Ld=578.9nm$  Purity=29.6%  
 Peak WL:  $Lp=458nm$  FWHM:  $=28.0nm$  Ratio:R=19.5% G=75.8% B=4.7%

Render Index:  $Ra = 87.2$  CRI = 83.1 TM30:Rf=83 Rg=93

R1 =89 R2 =98 R3 =93 R4 =83 R5 =88 R6 =95 R7 =84  
 R8 =69 R9 =31 R10=94 R11=84 R12=68 R13=92 R14=97 R15=83  
 WHITE:ANSI\_4000K

**Photometric & Radiometric Parameters**

Flux = 2135.2 lm Eff. : 141.50 lm/W  $Fe = 6.6176 W$   
 Photons1:  $5.606e+000$  umol/s(400~500nm) Photons2:  $1.140e+001$  umol/s(600~700nm)  
 Photosynthetic:PPF:30.291umol/s PRF WATT:6446.3mW(400-700nm)

**Electrical parameters**

V = 24.00 V I = 0.6288 A P = 15.09 W PF = 1.000 F=0.00 Hz



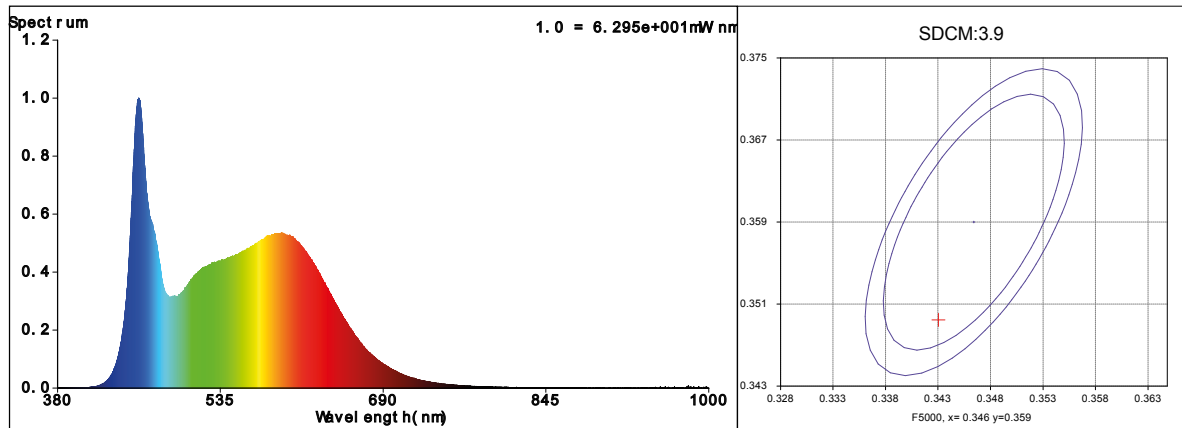


Sample	: 24-1065-R	Date	: 2022-07-21 17:43:20
Specification	:	Sam. Status	:
Sample No.	: 29	Instrument	: HAAS-2000(EVERFINE)
Manufacturer	:	Test by	:
		Assessor	: damin

**Test Condition**

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-1000nm	IP	: 58509 (89%)
Test Mode	: Fast Test	T	: 644 ms
		Sensitivity	: High

**Spectrum**



**Colorimetric Parameters**

Chromaticity Coordinate:  $x = 0.3426 y = 0.3497 / u' = 0.2105 v' = 0.4834$  ( $duv=3.49e-05$ )  $Dx, Dy: -0.0000, 0.0000$   
 CCT= 5089K Prcp WL:  $Ld=571.4\text{nm}$  Purity=7.7%  
 Peak WL:  $Lp=457\text{nm}$  FWHM:  $=25.3\text{nm}$  Ratio: R=16.6% G=77.4% B=6.0%

Render Index:  $Ra = 86.8$  CRI = 82.7 TM30:  $Rf=82 Rg=93$

R1 =89 R2 =98 R3 =93 R4 =82 R5 =87 R6 =92 R7 =83  
 R8 =70 R9 =28 R10=94 R11=83 R12=66 R13=93 R14=97 R15=84  
 WHITE:ANSI\_5000K

**Photometric & Radiometric Parameters**

Flux = 2091.1 lm Eff. : 140.46 lm/W  $Fe = 6.7108 \text{ W}$   
 Photons1:  $7.608e+000 \text{ umol/s}(400\sim 500\text{nm})$  Photons2:  $9.182e+000 \text{ umol/s}(600\sim 700\text{nm})$   
 Photosynthetic: PPF:  $30.173 \text{ umol/s}$  PRF WATT:  $6583.6 \text{ mW}(400\sim 700\text{nm})$

**Electrical parameters**

V = 24.00 V I = 0.6203 A P = 14.89 W PF = 1.000 F=0.00 Hz

