



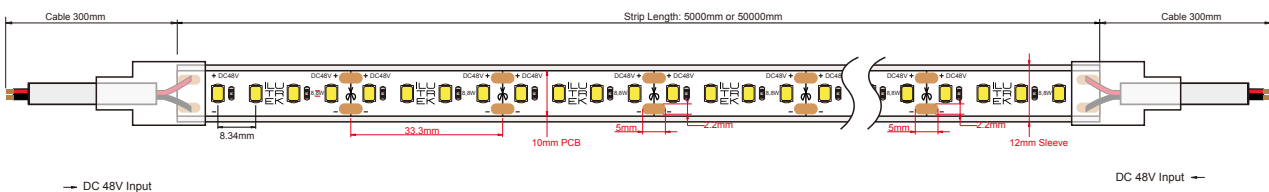
| REFERENCIA | Modelo | G/Kelvin | Rendimiento | Lumen/1mt | Eficiencia |
|------------|----------|----------|-------------|-----------|------------|
| 24-1112 | Caldiero | 3000K | 106,51Lm/w | 937,28Lm | E |
| 24-1113 | Caldiero | 4000K | 109,56Lm/w | 964,20Lm | E |

CARACTERÍSTICAS TÉCNICAS

| | |
|-----------------|----------|
| Potencia mt | 8,8W |
| Potencia rollo | 440W |
| CRI | >80 |
| Voltaje | 48V |
| IP | IP68 |
| Tipo de led | 2835 SMD |
| Leds/mt | 120 |
| Ángulo | 120° |
| Ancho PCB | 12 mm |
| Altura | 5 mm |
| Medida de corte | 33.3 mm |

| | |
|----------------------------------|---------------|
| Led Pitch (mm) | 8,34 mm |
| Longitu rollo | 50 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. | 30 m |
| Pasos McAdam | 3 |
| Bin | 1 |

MEDIDAS TIRA LED





DATOS ELECTRICOS

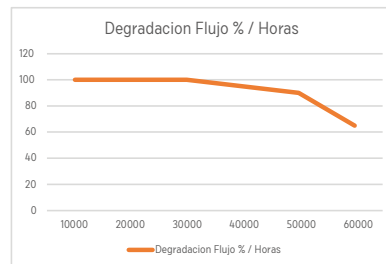
| | |
|------------------|--------|
| Potencia Nominal | 8,8 W |
| Tramada Maxima | 30 Mts |

| | |
|----------------|---------|
| Amperios 1mt | 0,183 A |
| Tramada Maxima | 5,5 A |

RENDIMIENTO LUMENES SEGUN DIFUSOR PERFILERIA

| Tonalidad | Difusor Transparente | Difusor Mate | Difusor Negro |
|-----------|----------------------|--------------|---------------|
| 2700k | 236 Lm | 200 Lm | 64 Lm |
| 3000k | 238,28 Lm | 202,02 Lm | 64,75 Lm |
| 4000k | 248,4 Lm | 210,06 Lm | 67,5 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 mm ² | 91,69% | 92,05% | 92,2% | 92,2% | ... |
| 1,5 mm ² | | 96,59% | 92,05% | | |
| 2,5 mm ² | | | 92,82% | | |
| 4 mm ² | | | | 94,41% | |
| 6 mm ² | | | | | 96,88% |

SECCIÓN MÍNIMA RECOMENDADA SEGÚN CARGA Y DISTANCIA DE CABLE

| MTS TIRA | 1 mt | 5 mt | 10 mt | 15 mt | 20 mt |
|----------|---------------------|---------------------|---------------------|----------------------|---------------------|
| 1 mt | 0,5 mm ² | 0,5 mm ² | 0,5 mm ² | 0,5 mm ² | 0,5 mm ² |
| 5 mt | 0,5 mm ² | 0,5 mm ² | 0,5 mm ² | 0,75 mm ² | 1 mm ² |
| Mts. Max | 0,5 mm ² | 0,5 mm ² | 1 mm ² | 1,5 mm ² | 2,5 mm ² |



Sample : 2W-140LED-IP20-2200K
 Specification :
 Sample No. : 158
 Manufacturer :

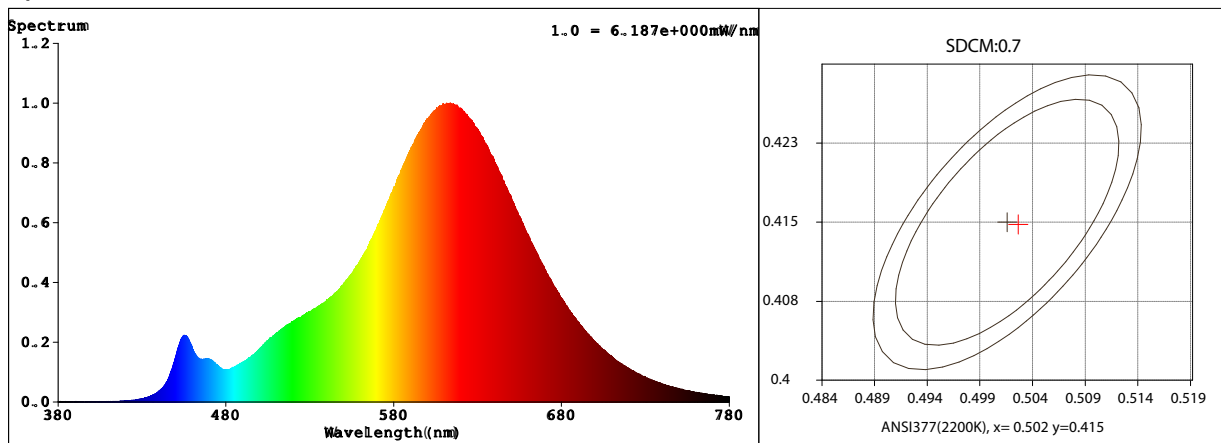
Date : 2024-05-16 13:55:57
 Sam. Status :
 Instrument : HAAS-2000(EVERFINE)
 Test by :
 Assessor : damin

Test Condition

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

RH : 65.0%
 IP : 58141 (89%)
 T : 894 ms
 Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.5028$ $y = 0.4151$ / $u' = 0.2883$ $v' = 0.5356$ ($duv = -5.36e-05$)

CCT= 2227K Prcp WL: Ld=587.1nm Purity=75.5%

Peak WL: Lp=614nm FWHM: =102.5nm Ratio:R=30.1% G=68.2% B=1.7%

Render Index: Ra = 81.1

R1 =80 R2 =93 R3 =91 R4 =78 R5 =81 R6 =95 R7 =78
 R8 =53 R9 =6 R10 =87 R11 =78 R12 =83 R13 =83 R14 =96 R15 =71

LEVEL:OUT

Photometric & Radiometric Parameters

Flux = 240.05 lm Eff. : 122.28 lm/W Fe = 788.68 mW

Electrical parameters

V = 24.00 V I = 0.08180 A P = 1.963 W PF = 1.000

Freq=0.00 Hz





Sample : 2W-140LED-IP20-2700K
 Specification :
 Sample No. : 155
 Manufacturer :

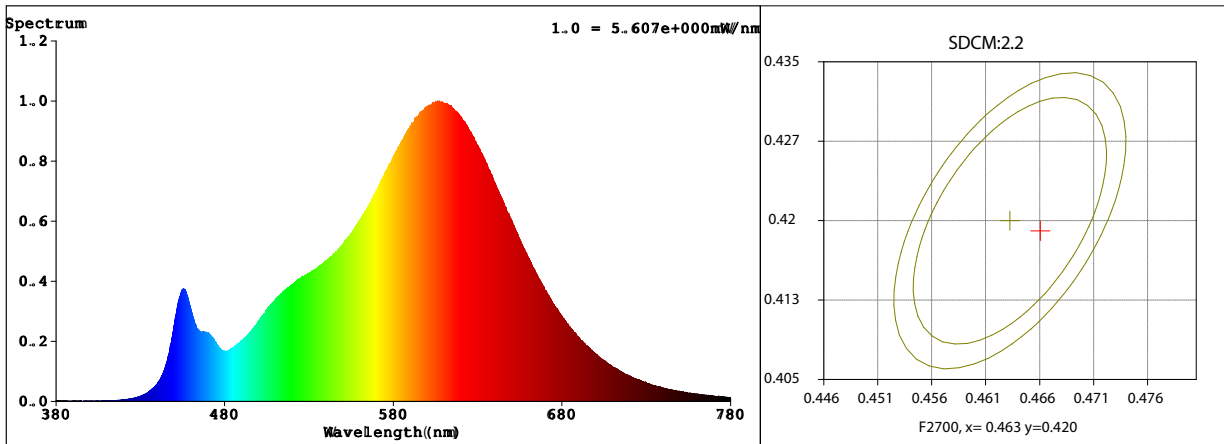
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 Sam. Status :
 Instrument : HAAS-2000(EVERFINE)
 Test by :
 Assessor : damin

Test Condition

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

RH : 65.0%
 IP : 53299 (81%)
 T : 894 ms
 Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4658$ $y = 0.4191$ / $u' = 0.2625$ $v' = 0.5314$ ($duv=2.60e-03$)

CCT= 2683K Prcp WL: Ld=583.5nm Purity=65.6%

Peak WL: Lp=606nm FWHM: =112.3nm Ratio:R=25.2% G=72.6% B=2.3%

Render Index: Ra = 82.1

R1 =81 R2 =92 R3 =94 R4 =79 R5 =81 R6 =92 R7 =81
 R8 =56 R9 =5 R10=83 R11=79 R12=73 R13=83 R14=98 R15=72

LEVEL:OUT

Photometric & Radiometric Parameters

Flux = 252.32 lm Eff. : 127.75 lm/W Fe = 766.40 mW

Electrical parameters

V = 24.00 V I = 0.08230 A P = 1.975 W PF = 1.000

Freq=0.00 Hz





Sample : 2W-140LED-IP20-3000K
 Specification :
 Sample No. : 156
 Manufacturer :

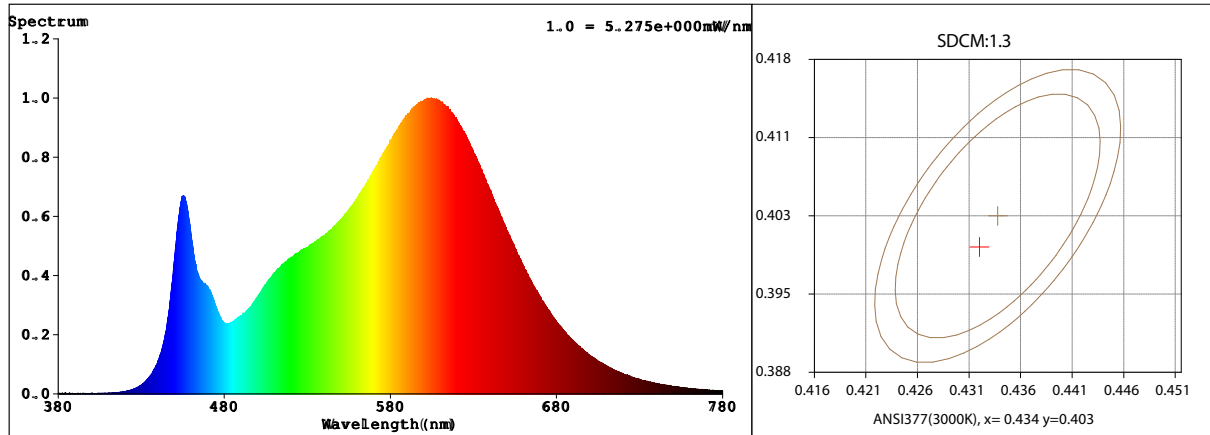
Date : 2024-05-16 13:46:57
 Sam. Status :
 Instrument : HAAS-2000(EVERFINE)
 Test by :
 Assessor : damin

Test Condition

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

RH : 65.0%
 IP : 49977 (76%)
 T : 894 ms
 Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4320$ $y = 0.4000$ / $u' = 0.2492$ $v' = 0.5190$ ($duv = -9.51e-04$)

CCT= 3051K Prcp WL: Ld=583.0nm Purity=49.7%

Peak WL: Lp=605nm FWHM: =123.4nm Ratio:R=22.9% G=74.0% B=3.0%

Render Index: Ra = 83.4

R1 =83 R2 =94 R3 =93 R4 =80 R5 =84 R6 =93 R7 =81
 R8 =59 R9 =10 R10=87 R11=80 R12=72 R13=86 R14=97 R15=75

LEVEL:OUT

Photometric & Radiometric Parameters

Flux = 255.05 lm Eff.: 129.45 lm/W Fe = 771.74 mW

Electrical parameters

V = 24.00 V I = 0.08210 A P = 1.970 W PF = 1.000

Freq=0.00 Hz





Sample : 2W-140LED-IP20-4000K
 Specification :
 Sample No. : 157
 Manufacturer :

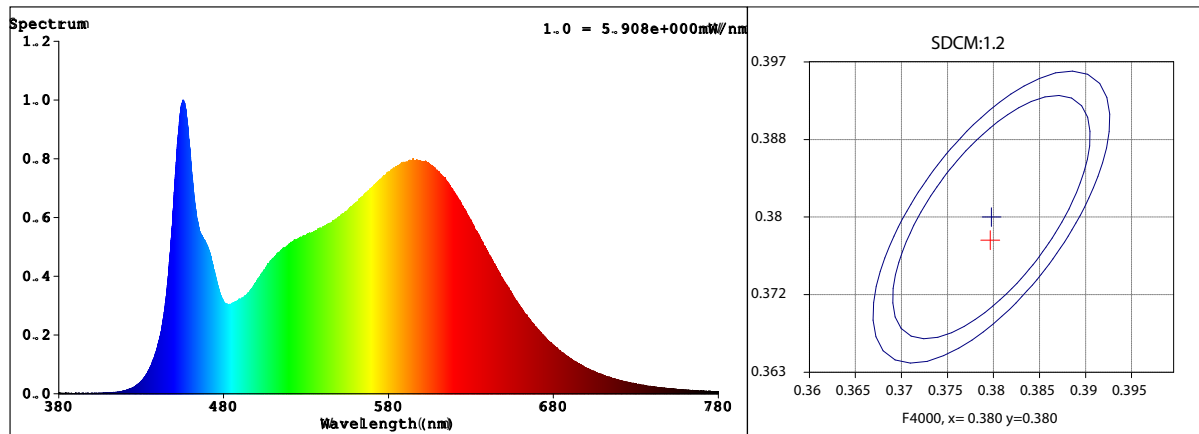
Date : 2024-05-16 13:47:39
 Sam. Status :
 Instrument : HAAS-2000(EVERFINE)
 Test by :
 Assessor : damin

Test Condition

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

RH : 65.0%
 IP : 51168 (78%)
 T : 894 ms
 Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3799$ $y = 0.3775$ / $u' = 0.2244$ $v' = 0.5018$ ($duv=5.13e-04$)

CCT= 4021K Prcp WL: Ld=578.7nm Purity=27.3%

Peak WL: Lp=455nm FWHM: =22.8nm Ratio:R=18.5% G=77.2% B=4.3%

Render Index: Ra = 84.1

R1 =84 R2 =94 R3 =95 R4 =80 R5 =83 R6 =90 R7 =83

R8 =63 R9 =11 R10=85 R11=80 R12=62 R13=87 R14=98 R15=77

LEVEL:OUT

Photometric & Radiometric Parameters

Flux = 265.28 lm Eff.: 134.64 lm/W Fe = 802.83 mW

Electrical parameters

V = 24.00 V I = 0.08210 A P = 1.970 W PF = 1.000

Freq=0.00 Hz

