

Product description

- Compact built-in LED solution for the UNI-TROLL M2 shelves
- Magnetic input connection
- LED module efficiency of 1,70 $\mu\text{mol}/\text{J}$
- Lifetime >50.000 hrs. (L90)

Applications

- Only for use as horticulture lighting.

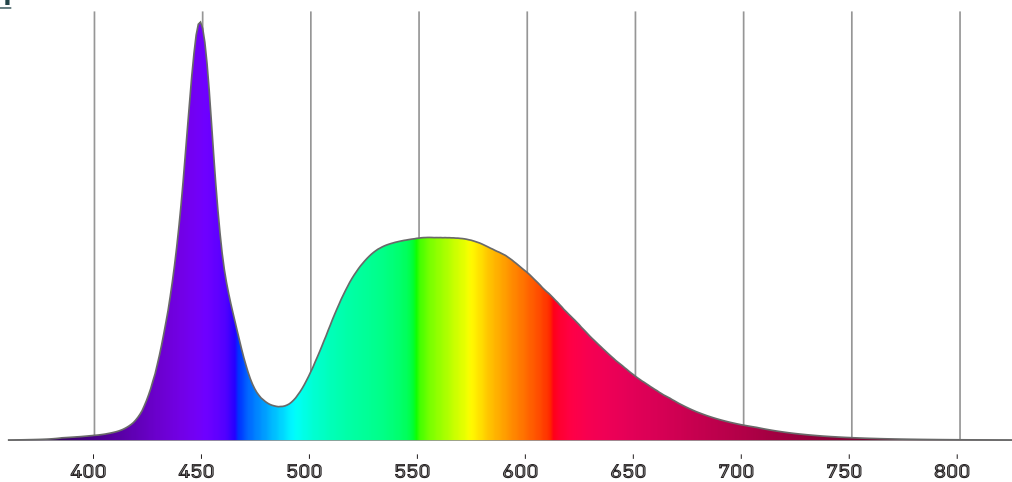


Performance Characteristics

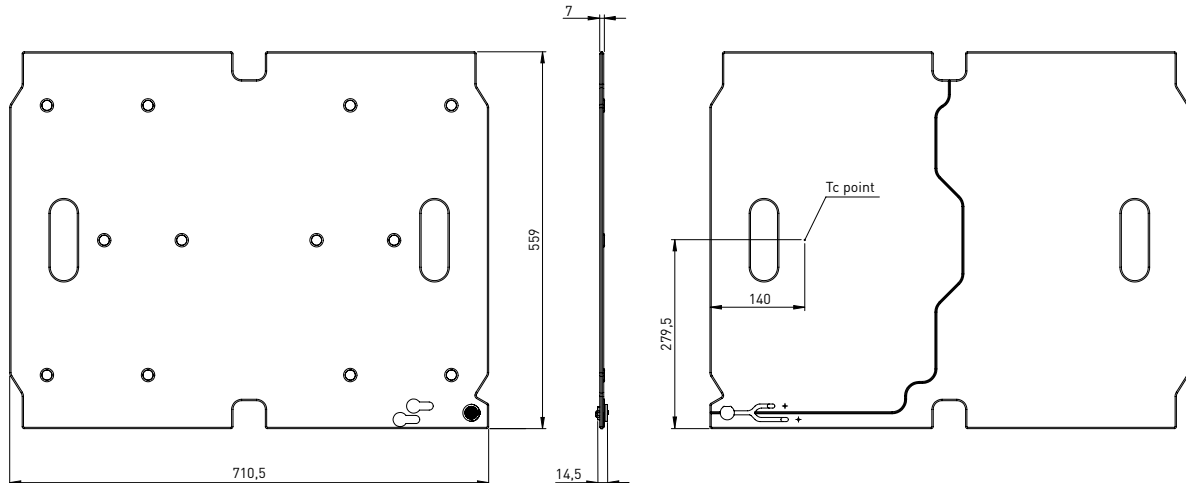
Parameter	Value	Unit	Remark
Typ. Vf	48	VDC	
Nominal current	1,05	A	
Power consumption	51	W	
PPF	84	$\mu\text{mol}/\text{s}$	
PPF Efficiency	1,70	$\mu\text{mol}/\text{J}$	
Corelated colour temperature	6500	K	
CIE	(0,3123;0,3282)	(CCx;CCy)	
Chromaticity tolerance	5	SDCM	
Colour rendering index	70+		
Radiation angle	65	deg	
Risk group (IEC 62471:2006)	RG2		Ethr: 837 lux dmin: 591 mm

NOTE! Current exceed RG-1 threshold at 0,894 A

Spectrum



Dimensions



Lumen Maintenance

Drive current	Tc	L70	L80	L90
1,05 A	45 °C	50.000 hrs	50.000 hrs	50.000 hrs

NOTE! The above values are derived from LM80 data and represent statistical values. Individual modules may exhibit variations

Temperature at Tc Point

Category	Temperature at Tc point	Drive current	Remark
Nominal	45 °C	1,05 A	Nominal value at which performance is specified
Max	50 °C	-	Max value

Absolute Max Ratings

Parameter	Min	Max	Unit	Remark
Drive current		1,05	A	
Tc		50	°C	@ Tc point
ESD		Class 2		(JEDEC JS-001-2012)
Operating temperature		35	°C	
Storage temperature	-20		°C	

Precautions for Use

Chemical Substances

Certain chemical substances listed below may harm LED modules by causing corrosions which result in reduced luminous flux, color shift, and no light output in the worst case. Please use caution when storing LED modules and operating the luminaire so that the LED modules are not exposed to such chemical substances.

- Examples of harmful chemical substances: Sulfur, chlorine, phthalate, halogen, VOCs (volatile organic compound).
- Example sources of harmful chemical substances: Organic rubber, lead solder paste, epoxy.

Cleaning

Wipe off dust with a dry, soft cloth. Remove greasy spots etc. with a soft cloth dampened in lukewarm water (<50° C) with a mild detergent. Never use detergents containing abrasives or solvents.