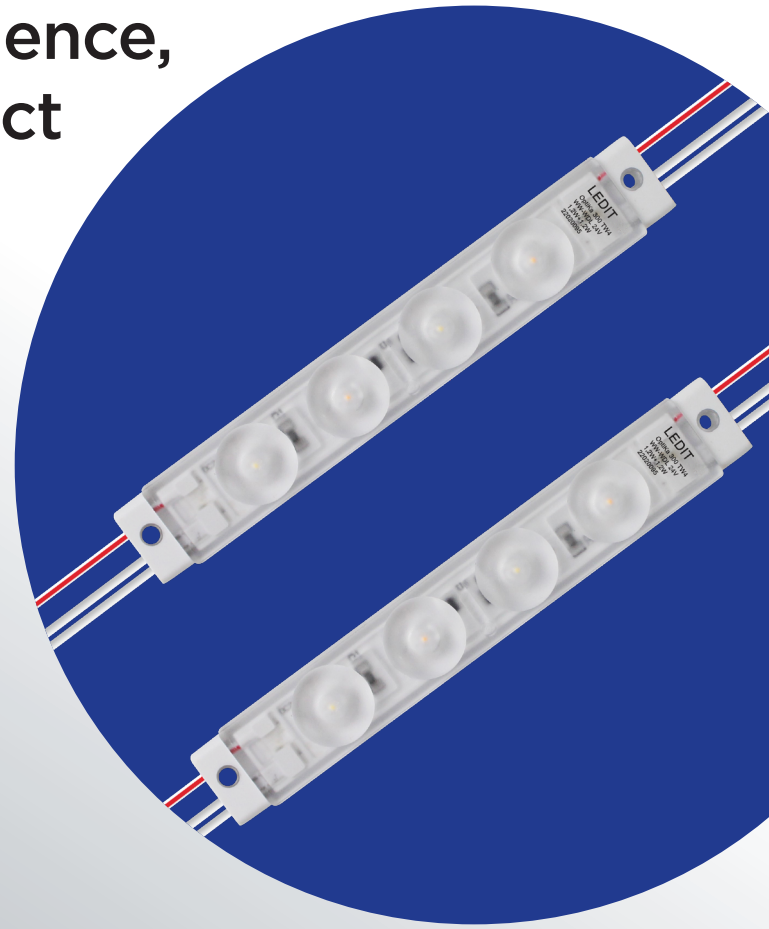
OptiKa® Tunable White

SIGNAGE – Backlighting 300

Create the perfect ambience, mood or aesthetics effect with tunable white



DECORATIVE LIGHTING Deco

ARCHITECTURAL LIGHTING

HIGH DEPTH >150 mm

7 YEARS
70.000hrs
L70

- Create any white from very warm to daylight (2700-6500K)
- Bright uniformity with few modules/m². Ease of installation
- Exceptional efficiency and CRI (over 90) achieves true colors: natural and accurate

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LEDIT YAKI

OptiKa® 300 TW4

7 YEARS
70.000hrs
L70

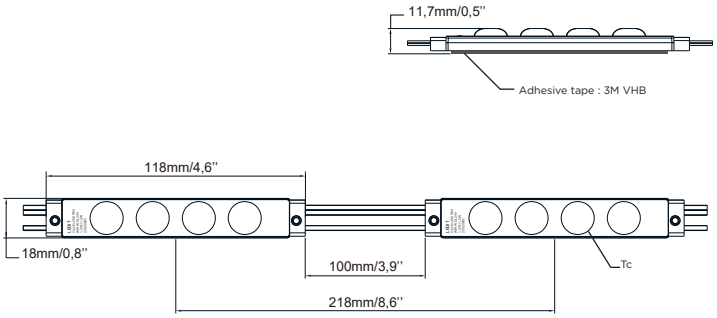
IP66 | 160° | 20 MOD. MAX IN SERIES | CUTTABLE EVERY 1 MOD. | NO NEED

24V | IC | 7 TO 4,6 MOD./ML | 48 TO 20 MOD./M² | -20/+50°C

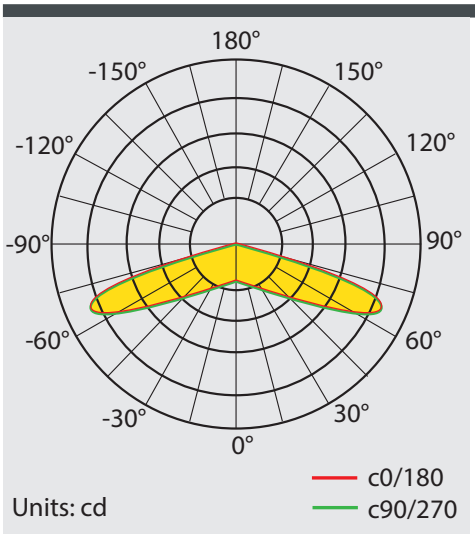
TECHNICAL DATA

Code	Designation	Color Temperature / Wavelength		Typical power / mod (W)	Lumen ouput (lm/mod.)	Efficiency (lm/W)	CRI	Mod/chain	Mod distance - axe to axe (mm / in)
22020095	OptiKa 300 TW4 WW-WDL 20mod 218mm 1,2W+1,2W 24V IP66	WW	2700K	WW : 1,2	WW : 169	WW : 140	90	20	218±5/8,6"
		WDL	6500K	OW : 1,2	WDL : 169	WDL : 140			
		WW+WDL	4500K	WW+WDL : 1,2	WW+WDL : 169	WW+WDL : 140			

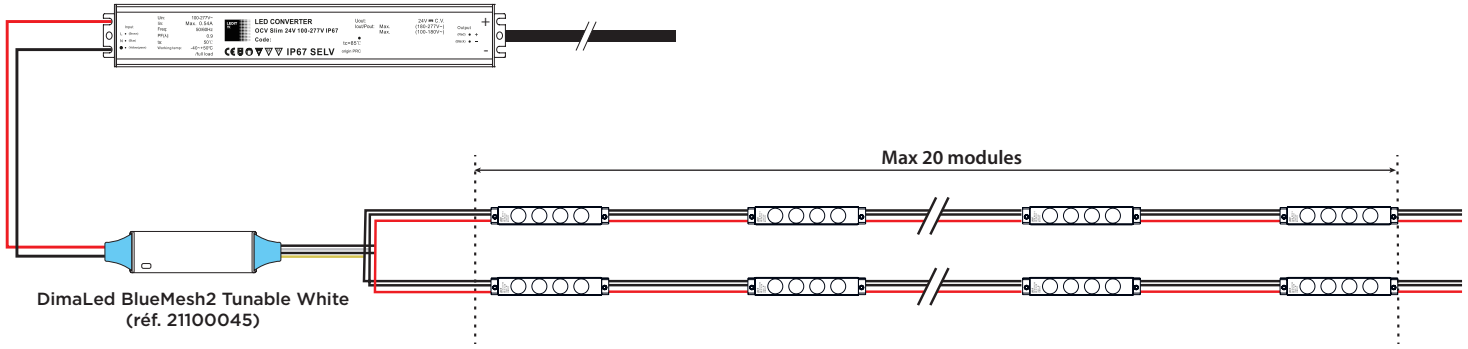
DIMENSIONS



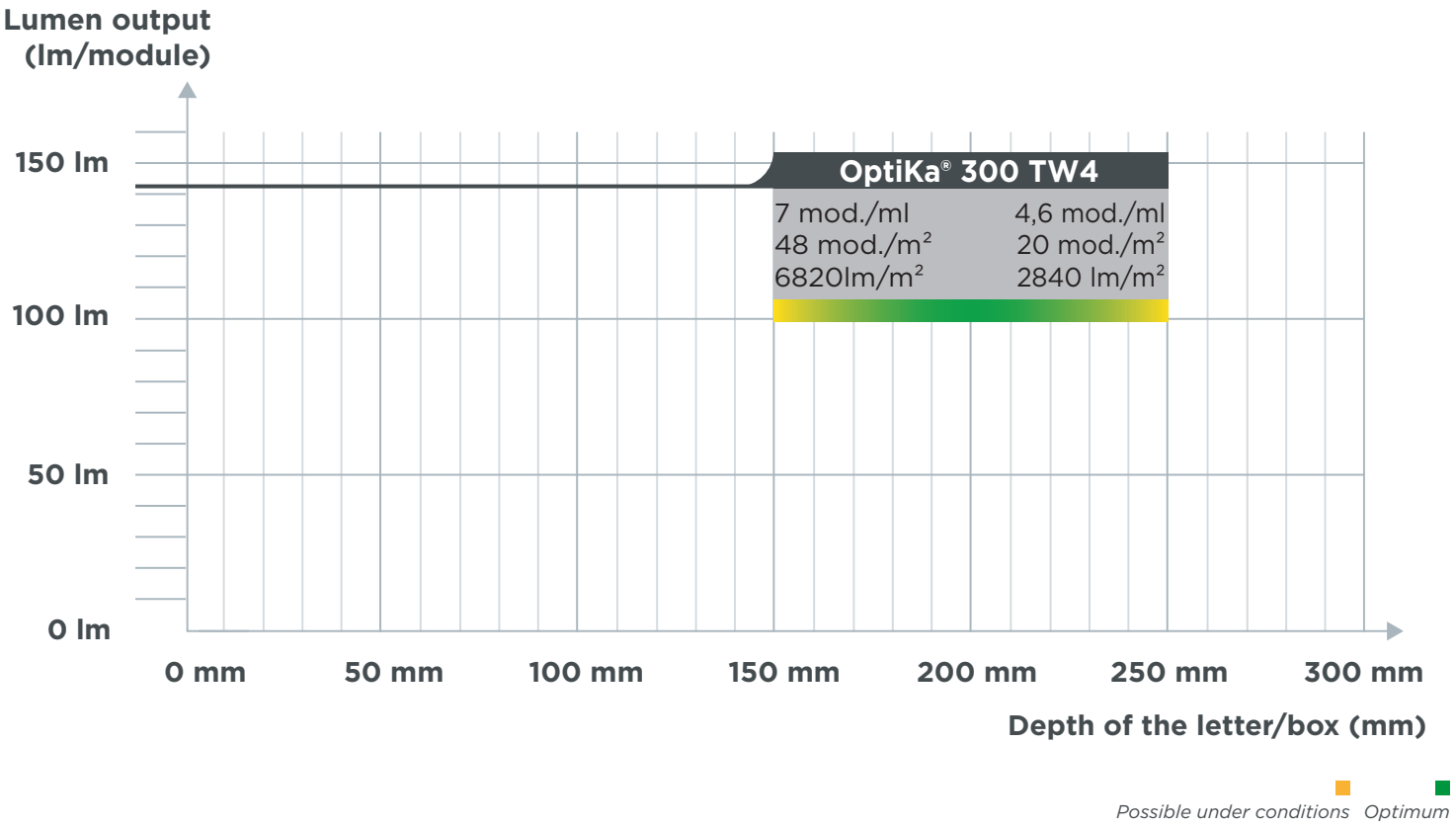
LIGHT DISTRIBUTION



WIRING DIAGRAM



APPLICATION



INSTALLATION

- Always connect the LED modules to the power supply while it is OFF. Only then you can connect the power supply to electricity and turn it ON.
- Respect the maximum number of modules in a row.
- Check compatibility between LED and driver voltage.
- Install LED on a clean work station connected to the earth. All LEDs are sensitive to static electricity (ESD).
- Limit the cable length between LED and power supply (voltage drop).
- Do not make direct pressure on LED chip, this could damage the internal connection.
- Secure LED module lines with mechanical fixation (screws, glue ...) in addition to the adhesive tape.

INGRESS PROTECTION IP66

The product is designed to be used Indoors or Outdoors.

The specified environmental protection of the LED module enclosure means that:

It is totally protected against the ingression of dust, and protected against powerful water jets (100 liters per minute) projected by a nozzle against enclosure from any direction.

Make sure that the application (sign, box, etc.) where the LED modules are installed into, has proper drain holes for water to exit so that LED modules and any other electronic components are not submerged exceeding the IP66 certification limits.

NORMS & CERTIFICATES

- EN 61547:2009
- EN 61000-3-3:2013/A1:2019
- EN 62031:2008+A1:2013+A2:2015
- EN 62471:2008
- EN IEC 61000-3-2:2019/A1:2021
- EN IEC 55015:2019/A11:2020

CE RoHS 2002/95/EC

THERMAL BEHAVIOUR

The temperature limits indicated below are expressed in ºC, at full load, after 3h of operation conditions, with natural convection:

- Operation temperature Ta -20°C to +50°C
- Storage temperature Ts -40°C to +85°C
- Max. temperature Tc point +70°C

The life of the module will decrease when the maximum temperature limits are exceeded.

Operating for a continuous extended time at temperatures exceeding the maximum limits, the modules can fail and our warranty will be void.

WHITE TOLERANCE

In order to ensure there is no color difference visible to the human eyes:

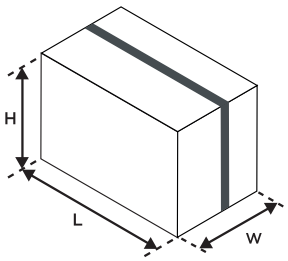
- Tolerance of LEDs are Macadam ellipse 3 for white LEDs.

FAILURE RATE

Our LED system has a max failure rate of 0.2% per 1000 operating hours.

PACKAGING

Type	Size L x W x H (cm)	Size L x W x H (ft)	Weight (kg)	Weight (lb)	Units (chain)
OptiKa® 300 TW4	40 x 30 x 35	1,3 x 1 x 1,1	13,5	29,8	22



(When the min and max values are not indicated, the tolerance range for optical and electrical data is ±15 %.)