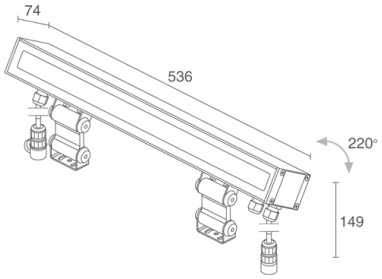
Made in Italy

Tago 3.1, code: TG31100D0150WN

Projectors for outdoor applications

kg 1,88 IP65 IP67 IP69 IK09 DALI-2





DALI or 0/1-10V version

DESCRIPTION

projector for outdoor applications; surface mounted (ceiling, wall, floor); Power consumption: 24W; Power supply: 230Vac; Lumen output at source: 2984 lm (3000K); Delivered lumen output: 1864 lm (3000K, 29°); 24 SMD LEDs, 2-step MacAdam, 60 000h L80 B10 (Ta 25°C); LED colour: 3000K; Optics: 20°x49°: optical system composed of a series of equidistant light sources, 20,83 mm apart. The deep-set elliptical PMMA TIR lens guarantees high-quality light emission and visual comfort; CRI Colour Rendering Index: 80; Body material: body made of Anticorodal® low-copper-content aluminium EN AW 6060 T5 for excellent heat dissipation, manufactured from an extruded profile and painted black (RAL 9005 matt) for excellent corrosion resistance.
Caps made of black-painted (RAL 9005 matt) low-copper-content die-cast aluminium EN AB 47100. Finish obtained through an initial treatment with a ceramic nanoparticle coating, to prepare for painting, followed by a coat of epoxy paint and one of polyester paint to provide greater resistance to corrosion and atmospheric agents. AISI 304 stainless steel bracket painted matt RAL 9005 black with epoxy paint. Bushings in AISI 316L stainless steel, made with a CNC lathe. GORE-TEX valve to relieve the internal pressure; Finishes: black finish (RAL 9005 matt) obtained through an initial treatment with a ceramic nanoparticle coating, to prepare for painting, followed by a coat of epoxy paint and one of polyester paint to provide corrosion resistance of more than 1000 hours of salt spray (RAL 9005); RAL finish on request; Screen material: 4-mm-thick transparent, tempered extra-clear glass, high-transmittance with grey-vitrified serigraphy (RAL 7015), to ensure chromatic uniformity and excellent resistance to knocks and scratches; Seals: black Santoprene™ O-rings guarantee lasting resistance to UV rays; Installation: On/off version: one IP68 4-way connector for power supply. Dimmable version: one IP68 4-way connector for power supply and two IP68 3-way connectors for DALI and 0/1–10V signal; built-in power supply unit; on/off: includes 1.5 m neoprene cable H07RN-F 3x1.0 Ø9.3 mm DALI, 0/1-10V: includes 1 x 1.5 m neoprene cable H07RN-F 3x1.0 Ø9.3 mm and 2 x 0.75 m neoprene cables H05RN-F 2x1.0 Ø6.7 mm including wiring connectors; Control system: DALI-2; Ingress protection: IP65, IP67, IP69; Impact resistance: IK09; optical accessories of honeycomb louvre and anti-glare shield built into the lighting fixture, brackets with two pivot points for accurate adjustment; Protection systems: IPS (Intelligent Protection System) protects lighting fixtures from water infiltrations, which can occur if there are faulty junctions between the cables in outdoor or underwater applications. This innovation, patented by L&L, also guarantees electrical protection against polarity reversal, hot plugging, ESD and power surges, which can occur if there are faults in the electrical circuit; The PID (Protective Impedance Device) protects lighting fixtures from electrical phenomena external to the system, such as static electricity accumulation or electromagnetic interference coming from the mains power. Generally, these are events with a low energy content; Operating temperature: -20°C — +45°C; Maximum device temperature: 55°C (Ta 25°C); Photobiological safety: in accordance with IEC TR 62778:2014; Appliance class: class I; Weight: 1884 g; Dimensions: 74x149x536 mm; Energy efficiency class: F (light source) in accordance with EU 2019/2015; Accessories: honeycomb louvre, WFA0005 5-m 4-pin interconnect cable, WFA0101 1.5-m 4-pin interconnect cable, WFA03 3-pin female connector, WFA04 3-pin male connector, WMA03N Pair of adjustable brackets; tested and approved via E.O.L. (End Of Line) test with functioning test and check of electrical power consumption

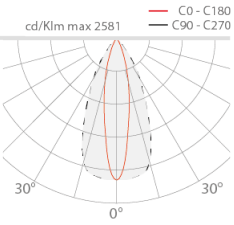
Status: Available

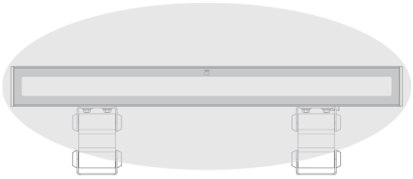
ELECTRICAL CHARACTERISTICS	
Power consumption	24W
Power supply	230Vac
Power supply unit	built-in power supply unit
Control system	DALI-2
LIGHTING CHARACTERISTICS	
Number and type of LED	24 SMD LEDs
Average LED life	60 000h L80 B10 (Ta 25°C)
LED colour	3000K
CRI Colour Rendering Index	80
Binning	2-step MacAdam
Optics	20°x49°
Lumen output at source	2984 lm (3000K)
Delivered lumen output	1864 lm (3000K, 29°)
MECHANICAL CHARACTERISTICS	
Dimensions	74x149x536 mm
Weight	1884 g
Finishes	black RAL 9005
Mounting	with screws and plugs
Body material	body in anticorodal aluminium, bracket in stainless steel, caps made of die-cast aluminium
Screen material	screen in serigraphed-grey and transparent, tempered extra-clear glass
GENERAL CHARACTERISTICS	
Ingress protection	IP65, IP67, IP69
Operating temperature	-20°C — +45°C
Impact resistance	IK09
Features	optical accessories of honeycomb louvre and anti-glare shield built into the lighting fixture, brackets with two pivot points for accurate adjustment
Energy efficiency class	F (light source) in accordance with EU 2019/2015
Maximum device temperature	55°C (Ta 25°C)
Appliance class	class I
Walkover	no
Drive-over	no
Power cables	on/off: includes 1.5 m neoprene cable H07RN-F 3x1.0 Ø9.3 mm DALI, 0/1-10V: includes 1 x 1.5 m neoprene cable H07RN-F 3x1.0 Ø9.3 mm and 2 x 0.75 m neoprene cables H05RN-F 2x1.0 Ø6.7 mm including wiring connectors
Protection systems	IPS (Intelligent Protection System); PID (Protective Impedance Device)
Photobiological safety	in accordance with IEC TR 62778:2014

PHOTOMETRIC DATA

W – 20°x49°

H (m)	∅ (m)	∅ (m)	Lux max (3000K)	cd/Klm max 2581
2.00	0.72	1.82	1098	
4.00	1.44	3.63	274	
6.00	2.16	5.45	122	
8.00	2.89	7.27	69	
10.00	3.61	9.08	44	

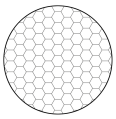




20°x49°

ACCESSORIES

Anti-glare



honeycomb louvre

built into the lighting fixture
The honeycomb louvre can be fitted on the 29°, 69° and 20°x49° optics
Add the optical accessory in the code generator

Other



WFA0005
5-m 4-pin interconnect cable
for DALI or 0/1–10V version



WFA0101
1.5-m 4-pin interconnect cable
for 0/1-10V, DALI version



WFA03
3-pin female connector
for in/out connection
IP66-IP68
Ø23x46 mm



WFA04
3-pin male connector
for in/out connection
IP66-IP68
Ø23x50 mm



WMA03N
Pair of adjustable brackets
optional

L&L Luce&Light SRL reserves the right to change the information contained in this document at any time without prior notice being given.