

# LAMINA 2.0

LAMINA 15.0 1499mm 20W OPAL 2700K  
 24V 0,4M

Cod: **LMA03CBK000A00**



**IdroSkud® protection system**  
 polarity reversal protection +  
 voltage spikes protection + water  
 infiltration protection



**Protection class III**  
 Designed to be supplied from a  
 separated extra-low voltage  
 (SELV) power supply



**IP 67**  
 Protected against temporary  
 immersion (30 minutes) up to 1  
 meter



**IP 66**  
 Protected against powerful power  
 jets, 100 liters per minute



**IK 10**  
 Protected against impact of 20 J



**High temperatures**  
 Design to withstand temperatures  
 up to +50° C



**Drive-over**  
 Fixture design to withstand a static  
 load up to 200kg



**CX - Extreme**  
 corrosion resistance level ISO 9223



**Mizar warranty**  
 5 years warranty



## Technical description

LAMINA is a linear ingrounds range, drive-over, suitable for outdoor environments (IP66/IP67), with operating temperature range: -20°C / +50°C. The body is made of PMMA, transparent and opal on the upper side. The light source is LED SMD3014, powered at 24V in constant voltage. The luminous flux makes it ideal for marking pedestrian and driveway paths, or creating light cuts on floors, walls and ceilings. Color rendering index CRI > 80. Lineo is equipped with IdroSkud® system to protect electronic components from voltage spikes, polarity reversal and water infiltration. Installation accessories are provided (floor and plasterboard outercase; cable extensions up to 15 m). The product must be combined with a power supply to ensure its operation. The power supply must be ordered separately. The amount of luminaires that can be connected to a single power supply varies depending on the type of installation. It is up to the installer to verify the possible voltage drop by evaluating the distance between the product and the power supply.

## Lighting data

Source type	SMD chip 3014	Photobiological risk	RG0
CCT	2700K	ULR	100,00%
CRI	> 80	BUG Rating	B0 U3 G0
MacAdam (SDCM)	3	CIE Flux Code	0 0 0 0 100
Source lumen output (lm)	1915	LED lifetime	L80 B10 50.000h
Luminaire lumen output (lm)	459	Efficiency class	This product contains a light source of energy efficiency class (EU2019/2015): F
Light emission	Diffused		
Beam angle	120°		

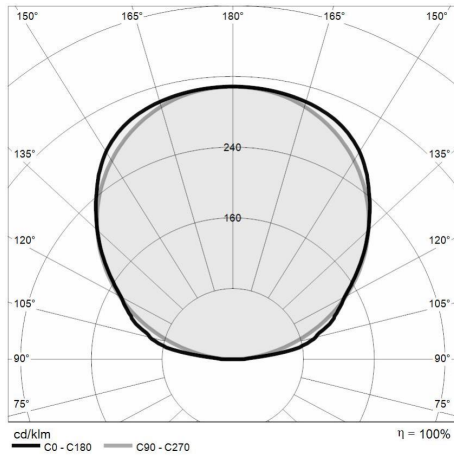
## Mechanical data

Width (mm)	18	Class ISO 9223	CX
Length (mm)	1499	Maximal working temperature	+50° C
Height (mm)	34.5	Minimal working temperature	-20° C
IP Rating	IP66 / IP67	Maximum static load (kg)	2000
IK rating	IK10	Walk-over	Yes
Finishing colour	Opal white	Drive-over	Yes
Body material	Trasparent PMMA	Maximal surface temperature	+50° C
Diffuser material	Opal PMMA	Areas EN 60598-2-13	A1 / A2 / A3 / A4

## Electrical data

Nominal power (W)	20	Electrical connection	Parallel connection
Power supply (input power type)	Costant voltage - 24V DC	Idroskud® protection	Yes
Ballast	Remote	Inverse polarity protection	Yes
Insulation class	III	Voltage spikes protection	Yes
Dimmable	Yes		
Connector type	M12 - 5 poles IP67		
Power cable length	0,4 m		

Photometry



Technical drawing

