



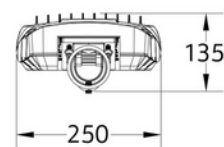
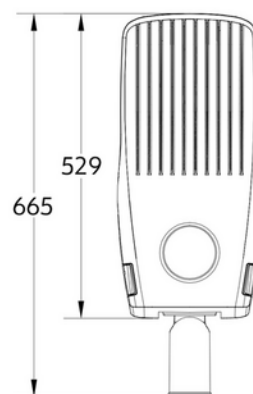
PRODUCT DATA SHEET

Montana ML 3GS90-Z 10m cable DALI

Art.no: 103042-90-GS-1



Lighting Solutions



Montana ML 3GS90-Z 10m cable DALI



Montana feature an innovative, tool-free system that allows for easy replacement of the electrical compartment directly on-site. This ensures fast and efficient maintenance while significantly reducing labor costs and downtime. The sleek and aerodynamic design minimizes wind resistance, enhances reliability, and optimizes heat dissipation, resulting in an extended lifespan. Built to withstand challenging conditions such as Nordic roads and high-altitude environments, Montana deliver dependable performance even in extreme settings.

ELECTRICAL DATA	
Protection Class (system)	2
Dimming (system)	DALI2, D4i
Voltage (system) [V]	230V 50Hz
Lightsource Max. Power (W) if Socket	42PCS/80.7W@3000K
Emergency light (h)	No Emergency light

TECHNICAL DATA	
IK (system)	IK08
IP (system)	IP66

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TECHNICAL DATA	
Outdoor	Yes
Operating temperature (°C)	-40 - 50
Wind force (EPA) (m²) at 0°	0.14

PHOTOMETRIC DATA	
Efficacy (system) (lm/W)	140
CRI / Ra (>=)	70
CCT (Color Temperature) (K)	3000
Color Code	730
Lightsource Type	LED (built in)
Socket / Cap-Base	Zhaga
Lens (Diffuser)	PMMA
Lifetime (h)	L80B10: 100 000
MacAdam (SDCM)	5
Manufacturer (light source)	Osram
Forward Current LED (min-max) (mA)	10 - 200
Forward Voltage LED (max tp=25) (V)	22.2
Driftspenning LED (min tp=65) (V)	21.7

DRIVER	
Manufacturer (driver)	Inventronics
Protection Class (driver)	1 or 2
Standby power Psb (W) <	0.5
Flicker metric (Pst LM) <	0.02
Stroboscopic effect metric (SVM) <	0.029
Max Output Voltage (V)	300
Dimming (driver)	DALI2, D4i
Dimming Minimum Level (%)	10.0
IP (driver)	IP20
Expected Lifetime (driver) (h)	120000
Flicker-free	Yes
Constant current or voltage (CC or CV)	CC
CC (driver) [mA]	45 - 700
CC (forward voltage driver) (V)	86.0 - 266.0
Surge Protection	L_N = 10KV

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DRIVER	
Output Current Tolerance (%)	5.0
Current Ripple (%)	10.0
Max load pr circuit - B10	5
Max load pr circuit - B16	8
Max load pr circuit - C10	9
Max load pr circuit - C16	14
Max load pr circuit - C20	18
Max load pr circuit - C25	22
Max load pr circuit - C32	28
Leakage current (mA)	0.7
Inrush current time (µs)	172.0
Inrush current I _{max} (A)	93.0

DIMENSIONS	
Length (product) (mm)	665.0
Width (product) (mm)	250.0
Height (product) (mm)	135.0
Weight (product) (kg)	7.0
Diameter (product) (mm)	76.0

MATERIALS AND SURFACES	
Color	Grey
RAL Code	Pantone8403C
Corrosion Class	C4
Surface treatment	Powdercoated
Housing Material	Aluminium
Housing Material %	51.0
Diffuser Material	PMMA
Diffuser Material%	0.7100000000000001
Recycled Aluminium %	72.0
Material 2%	7.3
Material 3%	1.7999999999999998
Material 4%	9.700000000000001
Material 5%	18.4
Material 6%	1.71

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*Lighting Solutions***MATERIALS AND SURFACES**

Material 7%	0.64
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INSTALLATION AND CONNECTION

Areas of use	Outdoor, Parking, Street
Mounting	Mast
Connection (system)	Cable 10m

ENERGY AND CERTIFICATIONS

Energy Class EPREL	D
CE mark	Yes
EPD number	NEPD-14085-14416