



**PRODUCT DATA SHEET**  
 Montana S 3GS20-Z 6m cable DALI  
 Art.no: 103022-20-GS-1



*Lighting Solutions*



## Montana S 3GS20-Z 6m 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	18PCS/16.9W@3000K
Emergency light (h)	No Emergency light
Emergency light testing	N/A

TECHNICAL DATA	
IK (system)	IK08

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TECHNICAL DATA	
IP (system)	IP66
Outdoor	Yes
Operating temperature (°C)	-40 - 50
Wind force (EPA) (m <sup>2</sup> ) at 0°	0.11

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 P <sub>sb</sub> (W) <	0.5
Flicker metric (P <sub>st</sub> LM) <	0.008
Stroboscopic effect metric (SVM) <	0.008
Max Output Voltage (V)	73
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)	18.0 - 56.0

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DRIVER	
Surge Protection	L_N = 10KV
Output Current Tolerance (%)	5.0
Current Ripple (%)	10.0
Max load pr circuit - B10	4
Max load pr circuit - B16	7
Max load pr circuit - C10	7
Max load pr circuit - C16	12
Max load pr circuit - C20	15
Max load pr circuit - C25	19
Max load pr circuit - C32	24
Leakage current (mA)	0.7
Inrush current time (µs)	328.0
Inrush current I <sub>max</sub> (A)	30.2

DIMENSIONS	
Length (product) (mm)	574.0
Width (product) (mm)	219.0
Height (product) (mm)	124.0
Weight (product) (kg)	4.9
Diameter (product) (mm)	76.0

MATERIALS AND SURFACES	
Color	Grey
RAL Code	Pantone8403C
Corrosion Class	C4
Surface treatment	Powdercoated
Housing Material	Aluminium
Housing Material %	56.99999999999999
Diffuser Material	PMMA
Diffuser Material%	0.61
Recycled Aluminium %	72.0
Material 2%	5.1
Material 3%	1.71
Material 4%	8.0
Material 5%	15.7



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MATERIALS AND SURFACES	
Material 6%	2.45
Material 7%	0.9199999999999999

INSTALLATION AND CONNECTION	
Areas of use	Outdoor, Parking, Street
Mounting	Mast $\varnothing$ 60-76
Connection (system)	Cable 6m

ENERGY AND CERTIFICATIONS	
Energy Class EPREL	D
CE mark	Yes
EPD number	NEPD-14087-14414