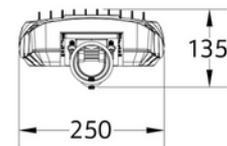
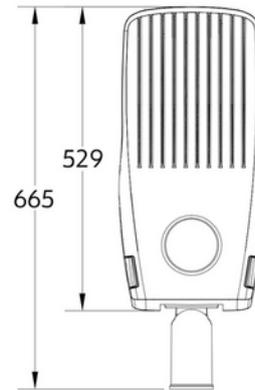


**PRODUCT DATA SHEET**

Montana ML 3.22BV90-Z 10m cable DALI

Art.no: 103043-90-BV-1

*Lighting Solutions*

Montana ML 3.22BV90-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 |
| Emergency light (h) | No Emergency light |

| TECHNICAL DATA | |
|----------------|------|
| IK (system) | IK08 |
| IP (system) | IP66 |
| Outdoor | Yes |

**PRODUCT DATA SHEET**

Montana ML 3.22BV90-Z 10m cable DALI

Art.no: 103043-90-BV-1

*Lighting Solutions*

| TECHNICAL DATA | |
|--|----------|
| Operating temperature (°C) | -40 - 50 |
| Wind force (EPA) (m ²) at 0° | 0.14 |

| PHOTOMETRIC DATA | |
|-------------------------------------|-----------------|
| Efficacy (system) (lm/W) | 140 |
| CRI / Ra (>=) | 70 |
| CCT (Color Temperature) (K) | 3000K/2200K |
| Color Code | 730/722 |
| Lightsource Type | LED (built in) |
| Socket / Cap-Base | Zhaga |
| Lens (Diffuser) | PMMA |
| Lifetime (h) | L80B10: 100 000 |
| MacAdam (SDCM) | 6 |
| 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 _{sb} (W) < | 0.5 |
| Flicker metric (P _{st} 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 |
| Output Current Tolerance (%) | 5.0 |

**PRODUCT DATA SHEET**

Montana ML 3.22BV90-Z 10m cable DALI

Art.no: 103043-90-BV-1

*Lighting Solutions*

| DRIVER | |
|-------------------------------------|-------|
| 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% | 9.7000000000000001 |
| Material 5% | 18.4 |
| Material 6% | 1.71 |
| Material 7% | 0.64 |



PRODUCT DATA SHEET
Montana ML 3.22BV90-Z 10m cable DALI
Art.no: 103043-90-BV-1



Lighting Solutions

| 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 |