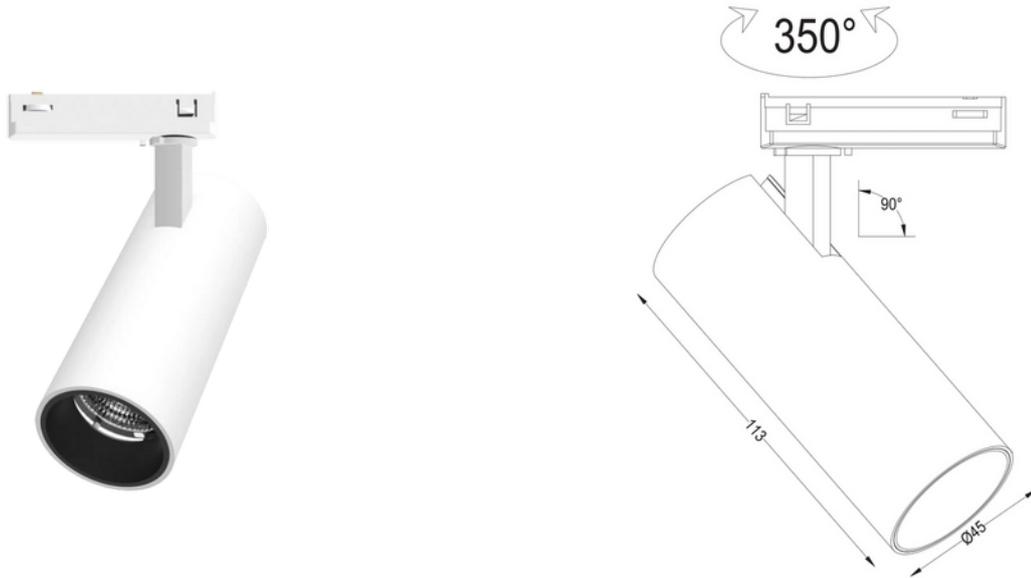


**PRODUCT DATA SHEET**

Cylinder 45 450lm D2W 930-918 36° 7W WH 1-cir phasecut

Art.no: 102191-D2W-36-3-p

*Lighting Solutions*

Cylinder 45 450lm D2W 930-918 36° 7W WH 1-cir phasecut



Cylinder 45 is an elegant and modern spotlight, specifically designed to deliver high light output and excellent color rendering in various environments. With its modest diameter of 45mm and length of 110mm, this spotlight is both discreet and efficient. Featuring a built-in driver within the sleek aluminum housing, the spotlight can tilt up to 90° and rotate 350° around its axis, providing maximum adjustability. Delivered with a 36° beam angle, phase-cut dimming, and selectable color temperatures of 2700K, 3000K, or Dim 2 Warm (3000-1800K) to accommodate various lighting needs.

Cylinder 45 is ideal for use in bedrooms, cafes, cabins, hotels, kitchens, and homes. It can be easily mounted on a 1-circuit track, making it a versatile solution for both private and commercial environments.

| ELECTRICAL DATA | |
|---------------------------|--------------------|
| Protection Class (system) | 2 |
| Dimming (system) | Phase-Cut |
| Voltage (system) [V] | 230V 50Hz |
| Emergency light (h) | No Emergency light |

| TECHNICAL DATA | |
|----------------|------|
| IK (system) | IK02 |

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| TECHNICAL DATA | |
|----------------------------|----------|
| IP (system) | IP20 |
| IP Front/Back (system) | IP20/20 |
| Outdoor | No |
| Operating temperature (°C) | -20 - 45 |

| PHOTOMETRIC DATA | |
|---|----------------|
| Lumen Out (system) (lm) | 460 |
| Efficacy (system) (lm/W) | 56 |
| CRI / Ra (>=) | 95 |
| CCT (Color Temperature) (K) | 1800-3000K TW |
| Preset CCT if switch(Color Temperature) (K) | 1800-3000K TW |
| Color Code | 930-918 |
| Lightsource Type | LED (built in) |
| Socket / Cap-Base | N/A |
| Lens (Diffuser) | Clear |
| Lifetime (h) | L80: 100 000 |
| MacAdam (SDCM) | 3 |
| UGR (<=) | 19 |
| Manufacturer (light source) | Bridgelux |
| Forward Current LED (min-max) (mA) | 350 - 420 |
| Forward Voltage LED (max tp=25) (V) | 18.8 |
| Driftspenning LED (min tp=65) (V) | 15.5 |

| DRIVER | |
|---------------------------------------|-------------------------|
| Manufacturer (driver) | KGP |
| Protection Class (driver) | 2 |
| Standby power P _{sb} (W) < | 0.5 |
| Flicker metric (P _{st} LM) < | 1.0 |
| Stroboscopic effect metric (SVM) < | 0.4 |
| Max Output Voltage (V) | 39 |
| Dimming (driver) | Phase-Cut |
| Dimming Minimum Level (%) | 10.0 |
| Dimming Phasecut Type | Leading / Trailing edge |
| Dimming output type | Amplitude Modulation |
| IP (driver) | IP20 |

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Lighting Solutions

| DRIVER | |
|--|-------------|
| Expected Lifetime (driver) (h) | 50000 |
| Flicker-free | Yes |
| Constant current or voltage (CC or CV) | CC |
| CC (driver) [mA] | 332 - 367 |
| CC (forward voltage driver) (V) | 27.0 - 39.0 |
| CV (driver) [V] | 36 |
| Output Current Tolerance (%) | 5.0 |
| Current Ripple (%) | 5.0 |
| Max load pr circuit - B10 | 75 |
| Max load pr circuit - B16 | 120 |
| Max load pr circuit - C10 | 120 |
| Max load pr circuit - C16 | 192 |
| Max load pr circuit - C20 | 240 |
| Max load pr circuit - C25 | 300 |
| Max load pr circuit - C32 | 350 |
| Leakage current (mA) | 0.25 |
| Inrush current time (µs) | 400.0 |
| Inrush current I _{max} (A) | 8.0 |

| DIMENSIONS | |
|-------------------------|--------------------|
| Length (product) (mm) | 110.0 |
| Height (product) (mm) | 110.0 |
| Weight (product) (kg) | 0.2611111111111111 |
| Diameter (product) (mm) | 45.0 |

| MATERIALS AND SURFACES | |
|------------------------|--------------|
| Color | White |
| RAL Code | RAL9010 |
| Corrosion Class | C1 |
| Surface treatment | Powdercoated |
| Housing Material | Aluminium |
| Diffuser Material | Aluminium |

| INSTALLATION AND CONNECTION | |
|-----------------------------|------|
| Areas of use | Shop |



PRODUCT DATA SHEET

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Lighting Solutions

INSTALLATION AND CONNECTION

| | |
|---------------------|-----------------|
| Mounting | Track |
| Connection (system) | Track 1-Circuit |

ENERGY AND CERTIFICATIONS

| | |
|--------------------|-----|
| Energy Class EPREL | G |
| CE mark | Yes |

LIGHT DISTRIBUTION

