



# Mithra LED – a serene presence at an affordable price

## Mithra LED

Offering a modern interpretation of the timeless round symmetrical design, Mithra LED is suitable for use in a wide range of settings. The characteristic horizontal lines in the bowl conceal the LED engine from direct view, yet allow also direct light distribution to ensure efficacy. There is a choice between a round symmetric-distribution LED engine and an LED engine optimized for asymmetric road and street distribution. There are also two bowl finishes: one with partial internal texturing for higher vertical illuminance, and one with partial internal frosting to minimize glare. With its serene character, the affordably priced Mithra LED is ideally suited to many residential applications.

### Benefits

- Sustainable and energy-saving solution
- Dimming, CLO and L-Tune options
- Fast connection

### Features

- Timeless yet modern round symmetrical design
- Combination of high-performance LED and programmable driver, including CLO and dimming options, for low energy usage
- Bowl with partial texturing or frosting on the inside (smooth exterior), enabling the optimum combination of diffuse and direct lighting
- Quick-connect system

## Application

- Residential areas: residential streets; cycle and footpaths; roundabouts; squares, parks and playgrounds; parking areas
- City centers: side streets; squares and parks; public transport; cycle and footpaths; parking areas
- Large outdoor areas: industrial areas; harbors; airports; waterways; rail yards

## Specifications

<b>Type</b>	BDS150 (structured bowl version) BDS151 (frosted bowl version)
<b>Light source</b>	Built-in LED-module
<b>Power</b>	10 to 81 W depending on tuning
<b>Luminous flux</b>	1200 to 9150 lm depending on tuning
<b>Luminaire efficacy</b>	85 to 113 lm/W depending on tuning
<b>Correlated Color</b>	3000 K (warm white, WW)
<b>Temperature</b>	4000 K (neutral white, NW) 5700 K (cool white, CW)
<b>Color Rendering Index</b>	75 (CW) 80 (NW and WW)
<b>Maintenance of lumen output - L80F10</b>	Depending on tuning, using L-Tune software
<b>Operating temperature range</b>	-20 to +35 °C
<b>Driver</b>	Separate (non-self ballasted LED-module)
<b>Mains voltage</b>	220-240 V / 50-60 Hz
<b>Inrush current</b>	Max 80 A / 150 µs, depending on version of driver
<b>Dimming</b>	DALI DynaDimmer LightWave or Starsense RF OLC
<b>Controls system input</b>	1-10 V or DALI
<b>Options</b>	Including cable Class II version Wired for cell (WFC), mini Photocell or NEMA socket
<b>Optic</b>	Symmetrical (S) with focus on vertical illuminance or Asymmetrical (OFR4/5/6) for Road optimized distribution

<b>Optical element</b>	Micro lens optic
<b>Optical cover</b>	BDP150: polycarbonate bowl with internal structuring for high vertical illuminance BDP151: Polycarbonate bowl with internal frosting for highest lighting comfort
<b>Material</b>	Canopy: acrylonitrile styrene acrylate Bowl: impact resistant UV stabilized polycarbonate Gear tray: galvanised steel plate with white reflection coating and extruded aluminum cooling profile Spigot: die-cast aluminum
<b>Color</b>	Concrete grey (RAL7023) Other RAL colors available on request
<b>Connection</b>	Quick connect bayonet system with integrated M20 cable gland
<b>Maintenance</b>	Opening / closing by bayonet closing, locking by polycarbonate closing clip
<b>Installation</b>	Post-top mounting: axial entry Ø 60 or 76 mm (60P or 76P) Recommended mounting height: 4-6 m Standard tilt angle post top: 0° Max SCx: 0.10 m
<b>Cable gland</b>	M 20 for cable Ø 6 to 12 mm with strain relief and integrated plug socket connector
<b>Accessories</b>	Anti-glare shield
<b>Remarks</b>	Retrofit LED unit available for updating existing luminaires

## Versions



**MITHRA LED – 830 warm white –**  
**Power supply unit – Safety class I –**  
**Distribution symmetrical 50 – Gray**  
**– Post-top for diameter 60 mm**

## Approval and Application

Mech. impact protection code IK09

## General Information

CE mark CE mark

Optical cover/lens type Polycarbonate  
bowl/cover  
structured

Driver included Yes

Flammability mark -

Light source replaceable Yes

Lamp version 4S

Number of gear units 1 unit

Product Family Code BDS150

Service tag Yes

## Light Technical

Standard tilt angle side entry -

Standard tilt angle posttop 0°

Upward light output ratio 0.03

## Mechanical and Housing

Color Gray

## Application Conditions

Order Code	Full Product Name	Maximum dim level
912300024059	BDS150 12xLED16-4S/830 PSU DS50 PCS 76	Not applicable
912300024060	BDS150 10xLED25-4S/740 PSDD DW50 PCS CLO	20% (depends on dimmer, ELV)
912300024061	BDS150 20xLED40-4S/740 PSR II DM50 PCS C	20% (depends on dimmer, ELV)

## Approval and Application

Order Code	Full Product Name	Surge Protection (Common/Differential)
912300024059	BDS150 12xLED16-4S/830 PSU DS50 PCS 76	Luminaire surge protection level until 6 kV differential mode and 6 kV common mode
912300024060	BDS150 10xLED25-4S/740 PSDD DW50 PCS CLO	Luminaire surge protection level until 6 kV differential mode and 6 kV common mode

Order Code	Full Product Name	Surge Protection (Common/Differential)
912300024061	BDS150 20xLED40-4S/740 PSR II DM50 PCS C	Luminaire surge protection level until 10 kV differential mode and 10 kV common mode

## Controls and Dimming

Order Code	Full Product Name	Dimmable
912300024059	BDS150 12xLED16-4S/830 PSU DS50 PCS 76	No
912300024060	BDS150 10xLED25-4S/740 PSDD DW50 PCS CLO	Yes

Order Code	Full Product Name	Dimmable
912300024061	BDS150 20xLED40-4S/740 PSR II DM50 PCS C	Yes

## General Information (1/2)

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Lamp family code	Number of light sources
912300024059	BDS150 12xLED16-4S/830 PSU DS50 PCS 76	152° x 155°	830 warm white	LED16	12 pcs
912300024060	BDS150 10xLED25-4S/740 PSDD DW50 PCS CLO	23° - 8° x 152°	740 neutral white	LED25	10 pcs

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Lamp family code	Number of light sources
912300024061	BDS150 20xLED40-4S/740 PSR II DM50 PCS C	30° - 5° x 153°	740 neutral white	LED40	20 pcs

## General Information (2/2)

Order Code	Full Product Name	Optic type
912300024059	BDS150 12xLED16-4S/830 PSU DS50 PCS 76	Distribution symmetrical 50
912300024060	BDS150 10xLED25-4S/740 PSDD DW50 PCS CLO	Distribution wide 50

Order Code	Full Product Name	Optic type
912300024061	BDS150 20xLED40-4S/740 PSR II DM50 PCS C	Distribution medium 50

## Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial luminous flux
912300024059	BDS150 12xLED16-4S/830 PSU DS50 PCS 76	3000 K	80	1360 lm
912300024060	BDS150 10xLED25-4S/740 PSDD DW50 PCS CLO	4000 K	70	2000 lm

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial luminous flux
912300024061	BDS150 20xLED40-4S/740 PSR II DM50 PCS C	4000 K	70	3200 lm

