



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

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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

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

Optical element	Micro lens optic
Optical cover	BDP150: polycarbonate bowl with internal structuring for high vertical illuminance BDP151: Polycarbonate bowl with internal frosting for highest lighting comfort
Material	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
Color	Concrete grey (RAL7023) Other RAL colors available on request
Connection	Quick connect bayonet system with integrated M20 cable gland
Maintenance	Opening / closing by bayonet closing, locking by polycarbonate closing clip
Installation	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
Cable gland	M 20 for cable Ø 6 to 12 mm with strain relief and integrated plug socket connector
Accessories	Anti-glare shield
Remarks	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**



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Product details

Mithra_LED-BDS151-DPP.TIF



Approval and Application

Mech. impact protection code	IK09
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 6 kV common mode

General Information

CE mark	CE mark
Driver included	Yes
Flammability mark	-
Light source replaceable	Yes
Number of gear units	1 unit

Light Technical

Standard tilt angle side entry	-
Standard tilt angle posttop	0°
Upward light output ratio	0.03

Mechanical and Housing

Color	Gray
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Application Conditions

Order Code	Full Product Name	Maximum dim level
912300024059	BDS150 12xLED16-4S/830 PSU DS50 PCS 76	Not applicable
912300024060	BDS150 LED25-4S/740 PSDD DW50	20% (depends on dimmer, ELV)
912300024061	BDS150 LED40-4S/740 PSR II DM50	20% (depends on dimmer, ELV)
912300024062	BDS151 LED30-4S/740 PSDD DM50	20% (depends on dimmer, ELV)
912300024063	BDS151 30xLED60-4S/830 PSR DW50 PCF D11	20% (depends on dimmer, ELV)

Controls and Dimming

Order Code	Full Product Name	Dimmable
912300024059	BDS150 12xLED16-4S/830 PSU DS50 PCS 76	No
912300024060	BDS150 LED25-4S/740 PSDD DW50	Yes
912300024061	BDS150 LED40-4S/740 PSR II DM50	Yes

Order Code	Full Product Name	Dimmable
912300024062	BDS151 LED30-4S/740 PSDD DM50	Yes
912300024063	BDS151 30xLED60-4S/830 PSR DW50 PCF D11	Yes

General Information (1/2)

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Order Code	Full Product Name	Luminaire light beam spread	Light source color	Optical cover/ lens type	Lamp family code
912300024059	BDS150 12xLED16-4S/830 PSU DS50 PCS 76	152° x 155°	830 warm white	Polycarbonate bowl/cover structured	LED16
912300024060	BDS150 LED25-4S/740 PSDD DW50	23° - 8° x 152°	740 neutral white	Polycarbonate bowl/cover structured	LED25
912300024061	BDS150 LED40-4S/740 PSR II DM50	30° - 5° x 153°	740 neutral white	Polycarbonate bowl/cover structured	LED40

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Optical cover/ lens type	Lamp family code
912300024062	BDS151 LED30-4S/740 PSDD DM50	30° - 5° x 153°	740 neutral white	Polycarbonate bowl/cover frosted	LED30
912300024063	BDS151 30xLED60-4S/83 0 PSR DW50 PCF D11	23° - 8° x 152°	830 warm white	Polycarbonate bowl/cover frosted	LED60

General Information (2/2)

Order Code	Full Product Name	Lamp version	Number of light sources	Optic type	Product Family Code
912300024059	BDS150 12xLED16-4S/830 PSU DS50 PCS 76	4S	12 pcs	Distribution symmetrical 50	BDS150
912300024060	BDS150 LED25-4S/740 PSDD DW50	-	-	Distribution wide 50	BDS150
912300024061	BDS150 LED40-4S/740 PSR II DM50	-	-	Distribution medium 50	BDS150

Order Code	Full Product Name	Lamp version	Number of light sources	Optic type	Product Family Code
912300024062	BDS151 LED30-4S/740 PSDD DM50	-	-	Distribution medium 50	BDS151
912300024063	BDS151 30xLED60-4S/830 PSR DW50 PCF D11	4S	30 pcs	Distribution wide 50	BDS151

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 LED25-4S/740 PSDD DW50	4000 K	70	2000 lm
912300024061	BDS150 LED40-4S/740 PSR II DM50	4000 K	70	3200 lm

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial luminous flux
912300024062	BDS151 LED30-4S/740 PSDD DM50	4000 K	70	2270 lm
912300024063	BDS151 30xLED60-4S/830 PSR DW50 PCF D11	3000 K	80	4800 lm

