

Philips BDS150-151 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 where multiple optics can be chosen. 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 and plaza applications.

Specifications

Type	BDS150: Ring pattern with internal structure BDS151: Ring pattern with internal frosting
Light source	Integral Philips Ledgine Optimized 12-20-30 or 40 LED
System Power	Between 9 and 64W, depending on flux and color temperature
Luminous flux (source flux)	LED12/16/20/25/30/35/40/50/60/70/80/90/100 (NW) LED12/16/20/25/30/35/40/50/60/70/80 (WW)
Luminaire efficacy (system flux)	NW: between 100 and 112, depending on flux WW: between 83 and 91, depending on flux
Optics	Distribution Round Symmetric: DS50 Distribution Narrow: DN10, DN11 Distribution Medium: DM12, DM32, DM33, DM50 Distribution Wide: DW10, DW50 Distribution Extra Wide: DX10
Optical option	Back light control louver BL2 (not for DS50)
Controls system input	DALI
Dimming	LineSwitch DynaDimmer LumiStep
Connectivity	CityTouch LightWave
Material	Spigot: high-pressure die-cast aluminium Canopy: Impact resistant ASA copolymer Bowl: Impact resistant UV stabilized polycarbonate, clear material with rings of internal structure (BDS150) or rings of internal frosting (BDS151)
Color	Canopy colored in the mass ral 7023, with unpainted spigot
Color option	Limited number of RAL colors. Both canopy and spigot spray painted
Ingress protection	IP66
Impact protection	IK10

Correlated color temperature	NW: 4000K WW: 3000K
Color rendering index	NW: 70 WW: 80
Maintenance of Lumen output at 100,000 hours	NW: between L92 and L96, depending on flux WW: between L92 and L96, depending on flux
Operating temp. range	-20 up to +35 °C
Driver	Integrated programmable LED driver
Power/Data supply	Philips Xitanium Full prog
Mains voltage	220-240V / 50-60 Hz
Options	Constant Light output (CLO), also possible in combination with Dimming and connectivity options Electrical safety Class II Added 10kV surge protection device Factory fitted cable (H07RN-F, 1.5mm), 4, 5, 6 meter exteriour length. Mini Photocell Nema socket
Maintenance	Opening/closing: by bayonet movement with clip securing All components contained in the canopy
Installation	Post-top mounting: Axial entry \varnothing 60 or 76mm Connection: Quick connect quarter turn box with socket and spiral cable to gear tray with plug. 2 x M10 mast fixation bolt Recommended mounting height: 4 to 6 meters SCx: 0.10 m ²
cable entry	M20, cable \varnothing 6-12mm
Accessories	spigot adapter ring from \varnothing 76mm to \varnothing 60mm

