PHILIPS Lighting



Mini 300 LED gen2

BBP400 ECO106-3S/757 I PRW WH D9 SNS CFR

Mini300 LED gen2, LED EconomyLine 10600 lm, Petrol rotational symmetric wide

With operating margins under pressure, companies are looking for ways to save energy. LED products like our Mini 300 LED gen2 luminaires are a perfect solution. Designed for petrol-station canopies and low-bay applications, these ultra-efficient retrofit fixtures offer outstanding light quality, effective thermal management, and a very long lifespan. Reduced maintenance, replacement and energy cost means a short payback period, making Mini 300 LED gen2 a shining example of how businesses can save money by opting for green products. A movement detector combined with a daylight sensor enables further energy savings. Our Mini 300 LED gen2 app gives users control in ways that are simply not possible with other luminaires – for instance, reading status and managing lighting from the floor by laptop or Smartphone via Bluetooth.

Product data

General Information	
Lamp family code	ECO106 [LED EconomyLine 10600 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Photocell	-
Light source engine type	LED
Product family code	BBP400 [Mini300 LED gen2]
Lighting Technology	LED
Embedded control	-
CE mark	Yes
Warranty period	5 years

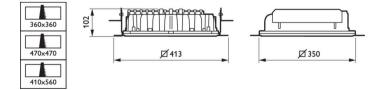
Flammability mark	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 960 °C, duration 5 s
EU RoHS compliant	No
Light Technical	
Upward light output ratio	0
Luminous Flux	11,100 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	5700 K
Luminous Efficacy (rated) (Nom)	123 lm/W

Mini 300 LED gen2

Color rendering index (CRI)>>70Number of light sources44Light source color757 cool whiteOptical cover typeFlat glassLuminaire light beam spread135°Optic type outdoorPetrol rotational symmetric wideOperating and Electrical		
Light source color757 cool whiteOptical cover typeFlat glassLuminaire light beam spread135°Optic type outdoorPetrol rotational symmetric wideOperating and ElectricalPetrol rotational symmetric wideInput Voltage220 to 240 VLine Frequency50 to 60 HzInrush current53 APower Consumption78 WPower Consumption0.96ConnectionScrew connection block 5-poleCableCable 2.0 m with screw connectorNumber of products on MCB of 16 A type B8Temperature-30 to +40 °CMeint temperature range-30 to +40 °CDimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControls and DimmingYesPiter/power unit/transformerPower supply unit with DALI interfaceOptical cover materialAcrylateOptical cover materialGlassFixation materialSteelHousing ColorWhiteOptical cover finishClear	Color rendering index (CRI)	≥70
Optical cover typeFlat glassLuminaire light beam spread135°Optic type outdoorPetrol rotational symmetric wideOperating and ElectricalInput VoltageInput Voltage220 to 240 VLine Frequency50 to 60 HzInrush current53 APower Consumption78 WPower Consumption0.96ConnectionScrew connection block 5-poleCableCable 2.0 m with screw connectorNumber of products on MCB of 16 A type BTemperature-30 to +40 °CAmbient temperature range-30 to +40 °CDirver/power unit/transformerPower supply unit with DALI interfaceControls and DimmingNoPiver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputAluminumReflector material-Optical cover materialGlassFixation materialSteelHousing ColorWhiteMounting device-Optical cover finishClear	Number of light sources	44
Luminaire light beam spread135°Optic type outdoorPetrol rotational symmetric wideOperating and ElectricalInput VoltageInput Voltage220 to 240 VLine Frequency50 to 60 HzInrush current53 APower Consumption78 WPower Consumption0.96ConnectionScrew connection block 5-poleCableCable 2.0 m with screw connectorNumber of products on MCB of 16 A type B8Temperature-30 to +40 °CControls and DimmingYesDirver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIControl interfaceDALIControl interfaceAluminumReflector material-Optical cover materialSteelHousing MaterialSteelHousing ColorWhiteMounting device-Optical cover finishClear	Light source color	757 cool white
Optic type outdoorPetrol rotational symmetric wideOperating and ElectricalInput Voltage220 to 240 VLine Frequency50 to 60 HzInrush current53 AInrush time0.3 msPower Consumption78 WPower Consumption0.96ConnectionScrew connection block 5-poleCableCable 2.0 m with screw connectorNumber of products on MCB of 16 A type B8Temperature-30 to +40 °CAmbient temperature range-30 to +40 °CDinmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIControl interfaceAluminumReflector material-Anusing MaterialAluminumReflector material-Optical cover materialSteelHousing ColorWhiteMounting device-Optical cover finishClear	Optical cover type	Flat glass
Operating and ElectricalInput Voltage220 to 240 VLine Frequency50 to 60 HzInrush current53 AInrush time0.3 msPower Consumption78 WPower Consumption0.96ConnectionScrew connection block 5-poleCableCable 2.0 m with screw connectorNumber of products on MCB of 16 A type B8Temperature-30 to +40 °CAmbient temperature range-30 to +40 °CControls and DimmingPower supply unit with DALI interfaceDirwer/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoMechanical and Housing-Housing MaterialAluminumReflector material-Optical cover materialGlassFixation materialSteelHousing ColorWhiteMounting device-Optical cover finishClear	Luminaire light beam spread	135°
Input Voltage220 to 240 VLine Frequency50 to 60 HzInrush current53 AInrush time0.3 msPower Consumption78 WPower Factor (Fraction)0.96ConnectionScrew connection block 5-poleCableCable 2.0 m with screw connectorNumber of products on MCB of 16 A type B8Temperature-30 to +40 °CAmbient temperature range-30 to +40 °CDinmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoMechanical and Housing-Housing MaterialAluminumReflector material-Optical cover materialSteelHousing ColorWhiteMounting device-Optical cover finishClear	Optic type outdoor	Petrol rotational symmetric wide
Input Voltage220 to 240 VLine Frequency50 to 60 HzInrush current53 AInrush time0.3 msPower Consumption78 WPower Factor (Fraction)0.96ConnectionScrew connection block 5-poleCableCable 2.0 m with screw connectorNumber of products on MCB of 16 A type B8Temperature-30 to +40 °CAmbient temperature range-30 to +40 °CDinmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoMechanical and Housing-Housing MaterialAluminumReflector material-Optical cover materialSteelHousing ColorWhiteMounting device-Optical cover finishClear		
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Inrush time0.3 msPower Consumption78 WPower Factor (Fraction)0.96ConnectionScrew connection block 5-poleCableCable 2.0 m with screw connectorNumber of products on MCB of 16 A type B8Temperature-30 to +40 °CAmbient temperature range-30 to +40 °CControls and DimmingYesDimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoMechanical and Housing-Housing MaterialAluminumReflector material-Optic al cover materialSteelHousing ColorWhiteMounting device-Optical cover shapeConvex lensOptical cover finishClear	Line Frequency	50 to 60 Hz
Power Consumption78 WPower Factor (Fraction)0.96ConnectionScrew connection block 5-poleCableCable 2.0 m with screw connectorNumber of products on MCB of 16 A type B8Temperature-30 to +40 °CAmbient temperature range-30 to +40 °CControls and DimmingYesDimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoMechanical and HousingAluminumReflector materialAcrylateOptical cover materialSteelHousing ColorWhiteMounting device-<	Inrush current	53 A
Power Factor (Fraction)0.96ConnectionScrew connection block 5-poleCableCable 2.0 m with screw connectorNumber of products on MCB of 16 A type B8Temperature-30 to +40 °CAmbient temperature range-30 to +40 °CControls and DimmingYesDimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoMechanical and HousingAluminumReflector materialAluminumOptic materialScreylateFixation materialSteelHousing ColorWhiteMounting device-<	Inrush time	0.3 ms
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CableCable 2.0 m with screw connectorNumber of products on MCB of 16 A type B8Temperature-30 to +40 °CAmbient temperature range-30 to +40 °CControls and DimmingYesDimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoMechanical and HousingAluminumHousing MaterialAluminumReflector material-Optical cover materialSteelHousing ColorWhiteMounting device-Optical cover shapeConvex lensOptical cover finishClear	Power Factor (Fraction)	0.96
Number of products on MCB of 16 A type B 8 Temperature -30 to +40 °C Ambient temperature range -30 to +40 °C Controls and Dimming Yes Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing Aluminum Housing Material Aluminum Reflector material - Optical cover material Steel Housing Color White Mounting device - Optical cover shape Convex lens Optical cover finish Clear	Connection	Screw connection block 5-pole
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Ambient temperature range-30 to +40 °CControls and DimmingDimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoMechanical and HousingHousing MaterialHousing MaterialAluminumReflector material-Optic materialGlassFixation materialSteelHousing ColorWhiteMounting device-Optical cover shapeConvex lensOptical cover finishClear	Number of products on MCB of 16 A ty	уре В 8
Ambient temperature range-30 to +40 °CControls and DimmingDimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoMechanical and HousingHousing MaterialHousing MaterialAluminumReflector material-Optic materialGlassFixation materialSteelHousing ColorWhiteMounting device-Optical cover shapeConvex lensOptical cover finishClear		
Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing Housing Material Housing Material Aluminum Reflector material - Optic material Glass Fixation material Steel Housing Color White Mounting device - Optical cover shape Convex lens Optical cover finish Clear	Temperature	
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DimmableYesDriver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoMechanical and HousingAluminumReflector material-Optic materialGlassFixation materialSteelHousing ColorWhiteMounting device-Optical cover shapeConvex lensOptical cover finishClear		
Driver/power unit/transformerPower supply unit with DALI interfaceControl interfaceDALIConstant light outputNoMechanical and HousingImage: Constant light outputHousing MaterialAluminumReflector material-Optic materialGlassFixation materialSteelHousing ColorWhiteMounting device-Optical cover shapeConvex lensOptical cover finishClear	Controls and Dimming	
Control interfaceDALIConstant light outputNoMechanical and HousingHousing MaterialAluminumReflector material-Optic materialGlassOptical cover materialSteelHousing ColorWhiteMounting device-Optical cover shapeConvex lensOptical cover finishClear	Dimmable	Yes
Constant light output No Mechanical and Housing Housing Material Aluminum Reflector material - Optic material Acrylate Optical cover material Glass Fixation material Steel Housing Color White Mounting device - Optical cover shape Convex lens Optical cover finish Clear	Driver/power unit/transformer	Power supply unit with DALI interface
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Housing MaterialAluminumReflector material-Optic materialAcrylateOptical cover materialGlassFixation materialSteelHousing ColorWhiteMounting device-Optical cover shapeConvex lensOptical cover finishClear	Constant light output	No
Housing MaterialAluminumReflector material-Optic materialAcrylateOptical cover materialGlassFixation materialSteelHousing ColorWhiteMounting device-Optical cover shapeConvex lensOptical cover finishClear		
Reflector material - Optic material Acrylate Optical cover material Glass Fixation material Steel Housing Color White Mounting device - Optical cover shape Convex lens Optical cover finish Clear	Mechanical and Housing	
Optic materialAcrylateOptical cover materialGlassFixation materialSteelHousing ColorWhiteMounting device-Optical cover shapeConvex lensOptical cover finishClear	Housing Material	Aluminum
Optical cover material Glass Fixation material Steel Housing Color White Mounting device - Optical cover shape Convex lens Optical cover finish Clear	Reflector material	-
Fixation material Steel Housing Color White Mounting device - Optical cover shape Convex lens Optical cover finish Clear	Optic material	Acrylate
Housing ColorWhiteMounting device-Optical cover shapeConvex lensOptical cover finishClear	Optical cover material	Glass
Mounting device - Optical cover shape Convex lens Optical cover finish Clear	Fixation material	Steel
Optical cover shape Convex lens Optical cover finish Clear	Housing Color	White
Optical cover finish Clear	Mounting device	-
•	Optical cover shape	Convex lens
Overall length 413 mm	Optical cover finish	Clear
	Overall length	413 mm

Overall width	413 mm
Overall height	95 mm
Effective projected area	0 m²
Dimensions (Height x Width x Depth)	95 x 413 x 413 mm
Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	Philips standard surge protection level
Protection class IEC	Safety class I
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.341, 0.329) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Over Time Performance (IEC Compli	iant)
Driver failure rate at 5000 h	0.1 %
Annelise Constitues	
Application Conditions	
Maximum dim level	
	0% (digital)
Product Data	0% (digital)
Product Data Order product name	
	BBP400 ECO106-3S/757 I PRW WH D9 SNS
Order product name	BBP400 ECO106-3S/757 I PRW WH D9 SNS
Order product name	BBP400 ECO106-3S/757 I PRW WH D9 SNS CFR BBP400 ECO106-3S/757 I PRW WH D9 SNS
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Order product name Full product name Full product code Order code	BBP400 EC0106-3S/757 I PRW WH D9 SNS CFR BBP400 EC0106-3S/757 I PRW WH D9 SNS CFR 871829190628500 90628500
Order product name Full product code Order code Material Nr. (12NC)	BBP400 EC0106-3S/757 I PRW WH D9 SNS CFR BBP400 EC0106-3S/757 I PRW WH D9 SNS CFR 871829190628500 90628500 910930205424
Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	BBP400 EC0106-35/757 I PRW WH D9 SNS CFR BBP400 EC0106-35/757 I PRW WH D9 SNS CFR 871829190628500 90628500 910930205424 1

Dimensional drawing



Mini 300 LED gen2



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