



# Be seen, be safe. A brighter solution lights up the petrol station smartly

## Mini500 G3

The Mini 500 G3 is designed for petrol-station canopies and low/high-bay applications, this ultra-efficient retrofit fixture offers outstanding light quality, effective thermal management and a long lifespan. For further energy savings, you could select either simple movement-detector sensor or movement detection combined with a daylight sensor.

### Benefits

- Increases visibility and safety at night
- Achieve an additional 45% energy saving through occupancy detection and daylight harvest-based dimming (based on usage behaviour)
- High energy saving – up to 49% compared to the CDM system.
- Suitable for multiple applications

### Features

- Precision-control optics with three choices: S-WB/S-MB/A-WB; CRI 80
- Intelligent system with an integrated PIR/DDR sensor
- System efficacy 140 lumen per watt
- Provides surface, recess and pole-mounting options

### Application

- Petrol and service stations
- Warehouses, DIY stores, production halls
- Other indoor high-ceiling applications

# Mini500 G3

## Versions



## Product details



Mini500G3 3



Mini500G3 4

-	
Driver failure rate at 5,000 hours	0.01 %
<b>Approval and Application</b>	
Mech. impact protection code	IK07
<b>Operating and Electrical</b>	
Input Voltage	220 to 240 V
<b>General Information</b>	
CE mark	CE mark
Protection class IEC	Safety class I (I)
Optical cover/lens type	GT
Driver included	Yes
ENEC mark	-
Flammability mark	F
Glow-wire test	650/5
Light source replaceable	No
Number of gear units	1 unit
<b>Initial Performance (IEC Compliant)</b>	
Init. Colour rendering index	>80
Luminous flux tolerance	+/-10%
<b>Mechanical and Housing</b>	
Colour	White
<b>Over Time Performance (IEC Compliant)</b>	
Median useful life L80B50	40000 h
Median useful life L90B50	30000 h

## Application Conditions

Order Code	Full Product Name	Ambient temperature range	Maximum dimming level	Suitable for random switching
911401531751	BBP500 G2 LED140/CW PSU A-WB	-40 to +45 °C	Not applicable	No
911401531851	BBP500 G2 LED140/CW PSU S-MB	-40 to +45 °C	Not applicable	No
911401531951	BBP500 G2 LED140/CW PSU S-WB	-40 to +45 °C	Not applicable	No
911401532051	BBP500 G2 LED140/NW PSU A-WB	-40 to +45 °C	Not applicable	No
911401532151	BBP500 G2 LED140/NW PSU S-MB	-40 to +45 °C	Not applicable	No
911401532251	BBP500 G2 LED140/NW PSU S-WB	-40 to +45 °C	Not applicable	No
911401533051	BBP500 G2X LED140/CW PIR S-WB	-20 to +45 °C	25%	Yes
911401533351	BBP500 G2 LED84/CW PSU A-WB	-40 to +45 °C	Not applicable	No
911401533451	BBP500 G2 LED84/CW PSU S-MB	-40 to +45 °C	Not applicable	No
911401533551	BBP500 G2 LED84/CW PSU S-WB	-40 to +45 °C	Not applicable	No
911401533651	BBP500 G2 LED84/NW PSU A-WB	-40 to +45 °C	Not applicable	No
911401533751	BBP500 G2 LED84/NW PSU S-MB	-40 to +45 °C	Not applicable	No
911401533851	BBP500 G2 LED84/NW PSU S-WB	-40 to +45 °C	Not applicable	No
911401533951	BBP500 G2 LED180/CW PSU A-WB	-40 to +45 °C	Not applicable	No
911401534051	BBP500 G2 LED180/CW PSU S-MB	-40 to +45 °C	Not applicable	No
911401534151	BBP500 G2 LED180/CW PSU S-WB	-40 to +45 °C	Not applicable	No
911401534251	BBP500 G2 LED180/NW PSU A-WB	-40 to +45 °C	Not applicable	No
911401534351	BBP500 G2 LED180/NW PSU S-MB	-40 to +45 °C	Not applicable	No
911401534451	BBP500 G2 LED180/NW PSU S-WB	-40 to +45 °C	Not applicable	No
911401538551	BBP500 G2 LED125/NW PSU A-WB	-40 to +45 °C	Not applicable	No
911401538651	BBP500 G2 LED125/NW PSU S-MB	-40 to +45 °C	Not applicable	No
911401538751	BBP500 G2 LED125/NW PSU S-WB	-40 to +45 °C	Not applicable	No
911401535251	BCP500 G2 LED140/NW PSU A-WB	-40 to +45 °C	Not applicable	No
911401537151	BCP500 G2 LED180/CW PSU A-WB	-40 to +45 °C	Not applicable	No

## Mini500 G3

Order Code	Full Product Name	Ambient temperature range	Maximum dimming level	Suitable for random switching
911401539651	BCP500 G2 LED125/NW PSU S-WB	-40 to +45 °C	Not applicable	No

### Approval and Application

Order Code	Full Product Name	Ingress protection code
911401531751	BBP500 G2 LED140/CW PSU A-WB	IP65
911401531851	BBP500 G2 LED140/CW PSU S-MB	IP65
911401531951	BBP500 G2 LED140/CW PSU S-WB	IP65
911401532051	BBP500 G2 LED140/NW PSU A-WB	IP65
911401532151	BBP500 G2 LED140/NW PSU S-MB	IP65
911401532251	BBP500 G2 LED140/NW PSU S-WB	IP65
911401533051	BBP500 G2X LED140/CW PIR S-WB	IP54
911401533351	BBP500 G2 LED84/CW PSU A-WB	IP65
911401533451	BBP500 G2 LED84/CW PSU S-MB	IP65
911401533551	BBP500 G2 LED84/CW PSU S-WB	IP65
911401533651	BBP500 G2 LED84/NW PSU A-WB	IP65
911401533751	BBP500 G2 LED84/NW PSU S-MB	IP65
911401533851	BBP500 G2 LED84/NW PSU S-WB	IP65

Order Code	Full Product Name	Ingress protection code
911401533951	BBP500 G2 LED180/CW PSU A-WB	IP65
911401534051	BBP500 G2 LED180/CW PSU S-MB	IP65
911401534151	BBP500 G2 LED180/CW PSU S-WB	IP65
911401534251	BBP500 G2 LED180/NW PSU A-WB	IP65
911401534351	BBP500 G2 LED180/NW PSU S-MB	IP65
911401534451	BBP500 G2 LED180/NW PSU S-WB	IP65
911401538551	BBP500 G2 LED125/NW PSU A-WB	IP65
911401538651	BBP500 G2 LED125/NW PSU S-MB	IP65
911401538751	BBP500 G2 LED125/NW PSU S-WB	IP65
911401535251	BCP500 G2 LED140/NW PSU A-WB	IP65
911401537151	BCP500 G2 LED180/CW PSU A-WB	IP65
911401539651	BCP500 G2 LED125/NW PSU S-WB	IP65

### Controls and Dimming

Order Code	Full Product Name	Dimmable
911401531751	BBP500 G2 LED140/CW PSU A-WB	No
911401531851	BBP500 G2 LED140/CW PSU S-MB	No
911401531951	BBP500 G2 LED140/CW PSU S-WB	No
911401532051	BBP500 G2 LED140/NW PSU A-WB	No
911401532151	BBP500 G2 LED140/NW PSU S-MB	No
911401532251	BBP500 G2 LED140/NW PSU S-WB	No
911401533051	BBP500 G2X LED140/CW PIR S-WB	Yes
911401533351	BBP500 G2 LED84/CW PSU A-WB	No
911401533451	BBP500 G2 LED84/CW PSU S-MB	No
911401533551	BBP500 G2 LED84/CW PSU S-WB	No
911401533651	BBP500 G2 LED84/NW PSU A-WB	No
911401533751	BBP500 G2 LED84/NW PSU S-MB	No
911401533851	BBP500 G2 LED84/NW PSU S-WB	No

Order Code	Full Product Name	Dimmable
911401533951	BBP500 G2 LED180/CW PSU A-WB	No
911401534051	BBP500 G2 LED180/CW PSU S-MB	No
911401534151	BBP500 G2 LED180/CW PSU S-WB	No
911401534251	BBP500 G2 LED180/NW PSU A-WB	No
911401534351	BBP500 G2 LED180/NW PSU S-MB	No
911401534451	BBP500 G2 LED180/NW PSU S-WB	No
911401538551	BBP500 G2 LED125/NW PSU A-WB	No
911401538651	BBP500 G2 LED125/NW PSU S-MB	No
911401538751	BBP500 G2 LED125/NW PSU S-WB	No
911401535251	BCP500 G2 LED140/NW PSU A-WB	No
911401537151	BCP500 G2 LED180/CW PSU A-WB	No
911401539651	BCP500 G2 LED125/NW PSU S-WB	No

### General Information

Order Code	Full Product Name	Beam angle of light	
		source	Optic type
911401531751	BBP500 G2 LED140/CW PSU A-WB	- °	WB
911401531851	BBP500 G2 LED140/CW PSU S-MB	- °	MB
911401531951	BBP500 G2 LED140/CW PSU S-WB	- °	WB
911401532051	BBP500 G2 LED140/NW PSU A-WB	- °	WB
911401532151	BBP500 G2 LED140/NW PSU S-MB	- °	MB
911401532251	BBP500 G2 LED140/NW PSU S-WB	- °	WB
911401533051	BBP500 G2X LED140/CW PIR S-WB	-	WB
911401533351	BBP500 G2 LED84/CW PSU A-WB	- °	WB

Order Code	Full Product Name	Beam angle of light	
		source	Optic type
911401533451	BBP500 G2 LED84/CW PSU S-MB	- °	MB
911401533551	BBP500 G2 LED84/CW PSU S-WB	- °	WB
911401533651	BBP500 G2 LED84/NW PSU A-WB	- °	WB
911401533751	BBP500 G2 LED84/NW PSU S-MB	- °	MB
911401533851	BBP500 G2 LED84/NW PSU S-WB	- °	WB
911401533951	BBP500 G2 LED180/CW PSU A-WB	- °	WB
911401534051	BBP500 G2 LED180/CW PSU S-MB	- °	MB
911401534151	BBP500 G2 LED180/CW PSU S-WB	- °	WB

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Order Code	Full Product Name	Beam angle of light	
		source	Optic type
911401534251	BBP500 G2 LED180/NW PSU A-WB	- °	WB
911401534351	BBP500 G2 LED180/NW PSU S-MB	- °	MB
911401534451	BBP500 G2 LED180/NW PSU S-WB	-	WB
911401538551	BBP500 G2 LED125/NW PSU A-WB	- °	WB
911401538651	BBP500 G2 LED125/NW PSU S-MB	- °	MB

Order Code	Full Product Name	Beam angle of light	
		source	Optic type
911401538751	BBP500 G2 LED125/NW PSU S-WB	- °	WB
911401535251	BCP500 G2 LED140/NW PSU A-WB	-	WB
911401537151	BCP500 G2 LED180/CW PSU A-WB	-	WB
911401539651	BCP500 G2 LED125/NW PSU S-WB	-	WB

### Initial Performance (IEC Compliant) (1/2)

Order Code	Full Product		Init. Corr.	Initial LED	Initial
	Name	Initial chromaticity	Colour	luminaire	luminous
			Temperature	efficacy	flux
911401531751	BBP500 G2 LED140/C W PSU A-WB	(0.313.0.324)SDCM<5	6500 K	140 lm/W	14000 lm
911401531851	BBP500 G2 LED140/C W PSU S-MB	(0.313.0.324)SDCM<5	6500 K	140 lm/W	14000 lm
911401531951	BBP500 G2 LED140/C W PSU S-WB	(0.313.0.324)SDCM<5	6500 K	140 lm/W	14000 lm
911401532051	BBP500 G2 LED140/N W PSU A-WB	(0.38.0.38)SDCM<5	4000 K	140 lm/W	14000 lm
911401532151	BBP500 G2 LED140/N W PSU S-MB	(0.38.0.38)SDCM<5	4000 K	140 lm/W	14000 lm
911401532251	BBP500 G2 LED140/N W PSU S-WB	(0.38.0.38)SDCM<5	4000 K	140 lm/W	14000 lm
911401533051	BBP500 G2X LED140/C W PIR S-WB	(0.313.0.324)SDCM<5	6500 K	140 lm/W	14000 lm
911401533351	BBP500 G2 LED84/CW PSU A-WB	(0.313.0.324)SDCM<5	6500 K	140 lm/W	8400 lm

Order Code	Full Product		Init. Corr.	Initial LED	Initial
	Name	Initial chromaticity	Colour	luminaire	luminous
			Temperature	efficacy	flux
911401533451	BBP500 G2 LED84/CW PSU S-MB	(0.313.0.324)SDCM<5	6500 K	140 lm/W	8400 lm
911401533551	BBP500 G2 LED84/CW PSU S-WB	(0.313.0.324)SDCM<5	6500 K	140 lm/W	8400 lm
911401533651	BBP500 G2 LED84/NW PSU A-WB	(0.38.0.38)SDCM<5	4000 K	140 lm/W	8400 lm
911401533751	BBP500 G2 LED84/NW PSU S-MB	(0.38.0.38)SDCM<5	4000 K	140 lm/W	8400 lm
911401533851	BBP500 G2 LED84/NW PSU S-WB	(0.38.0.38)SDCM<5	4000 K	140 lm/W	8400 lm
911401533951	BBP500 G2 LED180/C W PSU A-WB	(0.313.0.324)SDCM<5	6500 K	129 lm/W	18000 lm
911401534051	BBP500 G2 LED180/C W PSU S-MB	(0.313.0.324)SDCM<5	6500 K	129 lm/W	18000 lm
911401534151	BBP500 G2 LED180/C W PSU S-WB	(0.313.0.324)SDCM<5	6500 K	129 lm/W	18000 lm
911401534251	BBP500 G2 LED180/N W PSU A-WB	(0.38.0.38)SDCM<5	4000 K	129 lm/W	18000 lm

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Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial luminous flux
911401534351	BBP500 G2 LED180/N W PSU S-MB	(0.38.0.38)SDCM<5	4000 K	129 lm/W	18000 lm
911401534451	BBP500 G2 LED180/N W PSU S-WB	(0.38.0.38)SDCM<5	4000 K	129 lm/W	18000 lm
911401538551	BBP500 G2 LED125/N W PSU A-WB	(0.38.0.38)SDCM<5	4000 K	139 lm/W	12500 lm
911401538651	BBP500 G2 LED125/N W PSU S-MB	(0.38.0.38)SDCM<5	4000 K	139 lm/W	12500 lm
911401538751	BBP500 G2	(0.38.0.38)SDCM<5	4000 K	139 lm/W	12500 lm

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial luminous flux
	LED125/N W PSU S-WB				
911401535251	BCP500 G2 LED140/N W PSU A-WB	(0.38.0.38)SDCM<5	4000 K	140 lm/W	14000 lm
911401537151	BCP500 G2 LED180/C W PSU A-WB	(0.313.0.324)SDCM<5	6500 K	129 lm/W	18000 lm
911401539651	BCP500 G2 LED125/N W PSU S-WB	(0.38.0.38)SDCM<5	4000 K	139 lm/W	12500 lm

### Initial Performance (IEC Compliant) (2/2)

Order Code	Full Product Name	Initial input power
911401531751	BBP500 G2 LED140/CW PSU A-WB	100 W
911401531851	BBP500 G2 LED140/CW PSU S-MB	100 W
911401531951	BBP500 G2 LED140/CW PSU S-WB	100 W
911401532051	BBP500 G2 LED140/NW PSU A-WB	100 W
911401532151	BBP500 G2 LED140/NW PSU S-MB	100 W
911401532251	BBP500 G2 LED140/NW PSU S-WB	100 W
911401533051	BBP500 G2X LED140/CW PIR S-WB	100 W
911401533351	BBP500 G2 LED84/CW PSU A-WB	60 W
911401533451	BBP500 G2 LED84/CW PSU S-MB	60 W
911401533551	BBP500 G2 LED84/CW PSU S-WB	60 W
911401533651	BBP500 G2 LED84/NW PSU A-WB	60 W
911401533751	BBP500 G2 LED84/NW PSU S-MB	60 W
911401533851	BBP500 G2 LED84/NW PSU S-WB	60 W

Order Code	Full Product Name	Initial input power
911401533951	BBP500 G2 LED180/CW PSU A-WB	140 W
911401534051	BBP500 G2 LED180/CW PSU S-MB	140 W
911401534151	BBP500 G2 LED180/CW PSU S-WB	140 W
911401534251	BBP500 G2 LED180/NW PSU A-WB	140 W
911401534351	BBP500 G2 LED180/NW PSU S-MB	140 W
911401534451	BBP500 G2 LED180/NW PSU S-WB	140 W
911401538551	BBP500 G2 LED125/NW PSU A-WB	90 W
911401538651	BBP500 G2 LED125/NW PSU S-MB	90 W
911401538751	BBP500 G2 LED125/NW PSU S-WB	90 W
911401535251	BCP500 G2 LED140/NW PSU A-WB	100 W
911401537151	BCP500 G2 LED180/CW PSU A-WB	140 W
911401539651	BCP500 G2 LED125/NW PSU S-WB	90 W

## Mini500 G3

