

PHILIPS

Lighting



Lighting up tunnels for optimum safety

FlowBase G2

A lighting design that ensures safety and good visibility is a key element in the success of any tunnel project. Philips FlowBase G2 combines compact design, reliability, and affordability in one complete package to bring the perfect lighting solution for any tunnel application.

Benefits

- High lumen efficacy for energy saving
- Robust quality and reliability
- Professional optics for tunnel applications
- Easy installation, equipped with mounting brackets that can be adjusted +/-60 degrees

Features

- Upto 32Klm light output
- Typical 140lm/W
- 1-10V dimming interface
- 55K hours (L70B50 @35°C) lifetime, - 40°C < Ta< 55°C Operating temperature

Application

- 2-lane tunnels: 12-14m width, symmetrical or staggered installation, with up to 60-100km/hr speed
- 2- to 3-lane tunnels: 14-15m width, symmetrical installation, with up to 60-100km/hr speed
- 2-lane tunnels: 9-10m width, staggered installation, with up to 60-100km/hr speed

FlowBase G2

Versions



FlowBase G2



FlowBase G2



FlowBase G2



FlowBase G2

Approval and Application	
Mech. impact protection code	IK08
Controls and Dimming	
Dimmable	Yes
General Information	
CE mark	CE mark
Light source color	740 neutral white
Optical cover/lens type	Polycarbonate micro lens optic
Driver included	Yes
Initial Performance (IEC Compliant)	
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	>70
Mechanical and Housing	
Color	Dark gray

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial luminous flux
911401629807	BWP352 LED57/NW 40W 220-240V DM2 G2	5700 lm
911401629907	BWP352 LED70/NW 50W 220-240V DM2 G2	7000 lm
911401630007	BWP352 LED84/NW 60W 220-240V DM2 G2	8400 lm
911401630107	BWP352 LED84/NW 60W 220-240V DTXB G2	8400 lm
911401630207	BWP352 LED104/NW 70W 220-240V DM2 G2	10400 lm
911401630307	BWP352 LED116/NW 80W 220-240V DM2 G2	11600 lm
911401630407	BWP352 LED130/NW 90W 220-240V DM2 G2	13000 lm
911401630507	BWP352 LED139/NW 100W 220-240V DM2 G2	13900 lm
911401630607	BWP352 LED152/NW 110W 220-240V DM2 G2	15200 lm
911401630707	BWP352 LED162/NW 120W 220-240V DM2 G2	16200 lm
911401630807	BWP352 LED162/NW 120W 220-240V DTXB G2	16200 lm
911401630907	BWP352 LED212/NW 150W 220-240V DM2 G2	21200 lm
911401631007	BWP352 LED245/NW 180W 220-240V DM2 G2	24500 lm
911401631107	BWP352 LED245/NW 180W 220-240V DTXB G2	24500 lm
911401631207	BWP352 LED289/NW 200W 220-240V DM2 G2	28900 lm
911401631307	BWP352 LED316/NW 220W 220-240V DM2 G2	31600 lm
911401631407	BWP352 LED316/NW 220W 220-240V DTXB G2	31600 lm





FlowBase G2

BWP352 LED84/NW 60W 220-240V DTXB G2

FlowBase G2 - Polycarbonate micro lens optic - Analog

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Product data

General Information	
Light source color	740 neutral white
Driver included	Yes
Optical cover/lens type	Polycarbonate micro lens optic
Control interface	Analog
Connection	Flying leads/wires
Cable	Cable 0.5 m without plug
Protection class IEC	Safety class I
CE mark	CE mark
Operating and Electrical	
Input Voltage	220 to 240 V
Input Frequency	50 or 60 Hz
Power Factor (Min)	0.9
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Housing Material	Aluminum die cast

Optical cover/lens material	Polycarbonate
Overall length	374 mm
Overall width	123 mm
Overall height	91 mm
Color	Dark gray
Approval and Application	
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [6 J]
Initial Performance (IEC Compliant)	
Initial luminous flux (system flux)	8400 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	140 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	>70
Initial input power	60 W
Power consumption tolerance	+/-10%

FlowBase G2

Application Conditions

Ambient temperature range -40 to +55 °C

Product Data

Order product name BWP352 LED84/NW 60W 220-240V DTXB G2

Order code 911401630107

Numerator - Quantity Per Pack 1

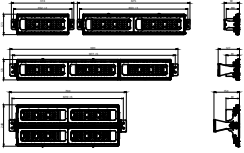
Numerator - Packs per outer box 2

Material Nr. (12NC) 911401630107

Net Weight (Piece) 1.700 kg



Dimensional drawing



FlowBase BWP352





FlowBase G2

BWP352 LED162/NW 120W 220-240V DTXB G2

FlowBase G2 - Polycarbonate micro lens optic - Analog

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Product data

General Information	
Light source color	740 neutral white
Driver included	Yes
Optical cover/lens type	Polycarbonate micro lens optic
Control interface	Analog
Connection	Flying leads/wires
Cable	Cable 0.5 m without plug
Protection class IEC	Safety class I
CE mark	CE mark

Operating and Electrical	
Input Voltage	220 to 240 V
Input Frequency	50 or 60 Hz
Power Factor (Min)	0.9

Controls and Dimming	
Dimmable	Yes

Mechanical and Housing	
Housing Material	Aluminum die cast

Optical cover/lens material	Polycarbonate
Overall length	675 mm
Overall width	123 mm
Overall height	91 mm
Color	Dark gray

Approval and Application	
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [6 J]

Initial Performance (IEC Compliant)	
Initial luminous flux (system flux)	16200 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	140 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	>70
Initial input power	120 W
Power consumption tolerance	+/-10%

FlowBase G2

Application Conditions

Ambient temperature range -40 to +55 °C

Product Data

Order product name BWP352 LED162/NW 120W 220-240V DTXB G2

Order code 911401630807

Numerator - Quantity Per Pack 1

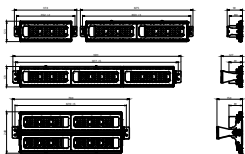
Numerator - Packs per outer box 2

Material Nr. (12NC) 911401630807

Net Weight (Piece) 2.600 kg



Dimensional drawing



FlowBase BWP352





FlowBase G2

BWP352 LED245/NW 180W 220-240V DTXB G2

Polycarbonate micro lens optic - Analog

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Product data

General Information		Optical cover/lens material	
Lamp colour code	740 neutral white	Optical cover/lens material	Polycarbonate
Driver included	Yes	Overall length	1011 mm
Optical cover/lens type	PC-MLO [Polycarbonate micro lens optic]	Overall width	123 mm
Control interface	Analog	Overall height	127 mm
Connection	Flying leads/wires	Colour	Dark Grey
Cable	Cable 0.5 m without plug	Approval and Application	
Protection class IEC	Safety class I (I)	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
CE mark	CE mark	Mech. impact protection code	CHOC [6 J (IK08)]
Operating and Electrical		Initial Performance (IEC Compliant)	
Input Voltage	220 to 240 V	Initial luminous flux (system flux)	24500 lm
Input frequency	50 or 60 Hz	Luminous flux tolerance	+/-10%
Power factor (min.)	0.9	Initial LED luminaire efficacy	140 lm/W
Controls and Dimming		Lamp colour temperature	4000 K
Dimmable	Yes	Colour Rendering Index	>70
		Initial input power	180 W
Mechanical and Housing		Power consumption tolerance	+/-10%
Housing material	Aluminum die-cast		

FlowBase G2

Application Conditions

Ambient temperature range -40 to +55 °C

Product Data

Order product name BWP352 LED245/NW 180W 220-240V DTXB G2

Order code 911401631107

SAP numerator – quantity per pack 1

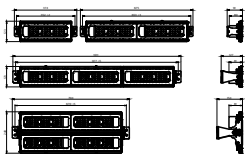
Numerator – packs per outer box 2

Material no. (12 NC) 911401631107

SAP net weight (piece) 4.500 kg



Dimensional drawing



FlowBase BWP352



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Lighting



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BWP352 LED316/NW 220W 220-240V DTXB G2

FlowBase G2 - Polycarbonate micro lens optic - Analog

A lighting design that ensures safety and good visibility is a key element in the success of any tunnel project. Philips FlowBase G2 combines compact design, reliability, and affordability in one complete package to bring the perfect lighting solution for any tunnel application.

Product data

General Information		Optical cover/lens material	
Light source color	740 neutral white	Optical cover/lens material	Polycarbonate
Driver included	Yes	Overall length	704 mm
Optical cover/lens type	Polycarbonate micro lens optic	Overall width	248 mm
Control interface	Analog	Overall height	154 mm
Connection	Flying leads/wires	Color	Dark gray
Cable	Cable 0.5 m without plug	Approval and Application	
Protection class IEC	Safety class I	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
CE mark	CE mark	Mech. impact protection code	IK08 [6 J]
Operating and Electrical		Initial Performance (IEC Compliant)	
Input Voltage	220 to 240 V	Initial luminous flux (system flux)	31600 lm
Input Frequency	50 or 60 Hz	Luminous flux tolerance	+/-10%
Power Factor (Min)	0.9	Initial LED luminaire efficacy	140 lm/W
Controls and Dimming		Init. Corr. Color Temperature	4000 K
Dimmable	Yes	Init. Color Rendering Index	>70
Mechanical and Housing		Initial input power	220 W
Housing Material	Aluminum die cast	Power consumption tolerance	+/-10%

FlowBase G2

Application Conditions

Ambient temperature range -40 to +55 °C

Product Data

Order product name BWP352 LED316/NW 220W 220-240V DTXB G2

Order code 911401631407

Numerator - Quantity Per Pack 1

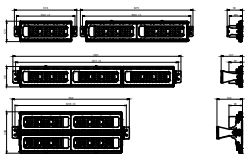
Numerator - Packs per outer box 2

Material Nr. (12NC) 911401631407

Net Weight (Piece) 5.300 kg



Dimensional drawing



FlowBase BWP352

