



Lighting up tunnels for optimum safety

FlowBase

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

Benefits

- Maximized energy savings. Reduces the need to install numerous luminaires to deliver optimized energy savings of up to 50%
- Optimal safety. Provides enough illuminance, perfect uniformity and minimized glare, and complies with tunnel lighting norm to ensure protection and complete visibility in the tunnel
- Easy installation. Equipped with mounting brackets that can be adjusted ± 60 degrees to fully adapt to different tunnel applications

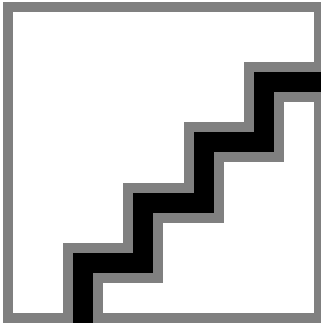
Features

- Design based on the latest construction and lighting technology
- Cost-effective LED alternative to conventional tunnel luminaire
- Excellent thermal design which has been tested to operate in extreme environments (luminaire can operate at temperature up to 45°C Ta)
- Sleek and fully sealed luminaire without any screws on the front cover

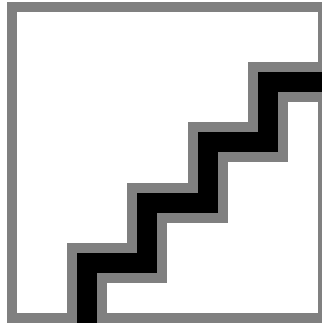
Application

- 2-lane tunnels: 12-14m width, symmetrical or staggered installation, with up to 60-80km/hr speed
- 2- to 3-lane tunnels: 14-15m width, symmetrical installation, with up to 60-80km/hr speed
- 2-lane tunnels: 9-10m width, staggered installation, with up to 60-80km/hr speed

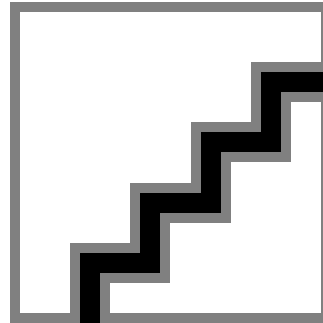
Versions



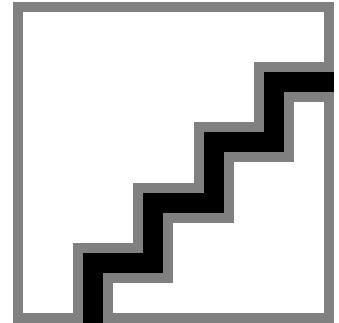
BWP352 25-60W 220-240V



BWP352 70-120W 220-240V



BWP352 130-180W 220-240V



BWP352 190-240W 220-240V



BWP352 NW 220-240V

Approval and Application

Mech. impact protection code IK08

Controls and Dimming

Dimmable No

General Information

CE mark CE mark

Driver included Yes

Application Conditions

Order Code	Full Product Name	Maximum dim level
911401609103	BWP352 LED29/NW 25W 220-240V DM2 MP1	-
911401609203	BWP352 LED65/NW 60W 220-240V DM2 MP1	-
911401667003	BWP352 LED33/NW 30W 220-240V DM2 MP1	-
911401667103	BWP352 LED44/NW 40W 220-240V DM2 MP1	-
911401672803	BWP352 LED66/WW 60W 220-240V DM MP1 R	-
911401673203	BWP352 LED69/NW 60W 220-240V DM MP1 R	-
911401808398	BWP352 LED69/NW 60W 220-240V DM2 MP1	10%
911401609303	BWP352 LED82/NW 70W 220-240V DM2 MP1	-
911401609403	BWP352 LED91/NW 80W 220-240V DM2 MP1	-
911401609503	BWP352 LED101/NW 90W 220-240V DM2 MP1	-
911401609603	BWP352 LED110/NW 100W 220-240V DM2 MP1	-
911401609703	BWP352 LED129/NW 120W 220-240V DM2 MP1	-

Order Code	Full Product Name	Maximum dim level
911401672703	BWP352 LED132/WW 120W 220-240V DM MP1 R	-
911401673103	BWP352 LED138/NW 120W 220-240V DM MP1 R	-
911401808298	BWP352 LED107/NW 90W 220-240V DM2 MP1	10%
911401808598	BWP352 LED87/NW 70W 220-240V DM2 MP1	10%
911401808698	BWP352 LED97/NW 80W 220-240V DM2 MP1	10%
911401609803	BWP352 LED166/NW 150W 220-240V DM2 MP1	-
911401609903	BWP352 LED194/NW 180W 220-240V DM2 MP1	-
911401672603	BWP352 LED198/WW 180W 220-240V DM MP1 R	-
911401673003	BWP352 LED207/NW 180W 220-240V DM MP1 R	-
911401808898	BWP352 LED137/NW 120W 220-240V DM2 MP1	10%
911401808998	BWP352 LED177/NW 150W 220-240V DM2 MP1	10%
911401610003	BWP352 LED257/NW 240W 220-240V DM2 MP1	-

Order Code	Full Product Name	Maximum dim level
911401672503	BWP352 LED264/WW 240W 220-240V DM MP1 R	-
911401672903	BWP352 LED276/NW 240W 220-240V DM MP1 R	-
911401809098	BWP352 LED206/NW 180W 220-240V DM2 MP1	10%

Order Code	Full Product Name	Maximum dim level
911401809198	BWP352 LED274/NW 240W 220-240V DM2 MP1	10%
911401808798	BWP352 LED117/NW 100W 220-240V DM2 MP1	10%

General Information

Order Code	Full Product Name	Light source color	Light source replaceable	Optic type	UL mark
911401609103	BWP352 LED29/NW 25W 220-240V DM2 MP1	740 neutral white	No	Wide beam	-
911401609203	BWP352 LED65/NW 60W 220-240V DM2 MP1	740 neutral white	No	Wide beam	-
911401667003	BWP352 LED33/NW 30W 220-240V DM2 MP1	740 neutral white	No	Wide beam	-
911401667103	BWP352 LED44/NW 40W 220-240V DM2 MP1	740 neutral white	No	Wide beam	-
911401672803	BWP352 LED66/WW 60W 220-240V DM MP1 R	730 warm white	No	Medium beam	-
911401673203	BWP352 LED69/NW 60W 220-240V DM MP1 R	740 neutral white	No	Medium beam	-
911401808398	BWP352 LED69/NW 60W 220-240V DM2 MP1	740 neutral white	-	-	-
911401609303	BWP352 LED82/NW 70W 220-240V DM2 MP1	740 neutral white	No	Wide beam	-
911401609403	BWP352 LED91/NW 80W 220-240V DM2 MP1	740 neutral white	No	Wide beam	-
911401609503	BWP352 LED101/NW 90W 220-240V DM2 MP1	740 neutral white	No	Wide beam	-
911401609603	BWP352 LED110/NW 100W 220-240V DM2 MP1	740 neutral white	No	Wide beam	-
911401609703	BWP352 LED129/NW 120W 220-240V DM2 MP1	740 neutral white	No	Wide beam	-
911401672703	BWP352 LED132/WW 120W 220-240V DM MP1 R	730 warm white	No	Medium beam	-
911401673103	BWP352 LED138/NW 120W 220-240V DM MP1 R	740 neutral white	No	Medium beam	-
911401808298	BWP352 LED107/NW 90W 220-240V DM2 MP1	740 neutral white	-	-	-

Order Code	Full Product Name	Light source color	Light source replaceable	Optic type	UL mark
911401808598	BWP352 LED87/NW 70W 220-240V DM2 MP1	740 neutral white	-	-	-
911401808698	BWP352 LED97/NW 80W 220-240V DM2 MP1	740 neutral white	-	-	-
911401609803	BWP352 LED166/NW 150W 220-240V DM2 MP1	740 neutral white	No	Wide beam	-
911401609903	BWP352 LED194/NW 180W 220-240V DM2 MP1	740 neutral white	No	Wide beam	-
911401672603	BWP352 LED198/WW 180W 220-240V DM MP1 R	730 warm white	No	Medium beam	-
911401673003	BWP352 LED207/NW 180W 220-240V DM MP1 R	740 neutral white	No	Medium beam	-
911401808898	BWP352 LED137/NW 120W 220-240V DM2 MP1	740 neutral white	-	-	-
911401808998	BWP352 LED177/NW 150W 220-240V DM2 MP1	740 neutral white	-	-	-
911401610003	BWP352 LED257/NW 240W 220-240V DM2 MP1	740 neutral white	No	Wide beam	-
911401672503	BWP352 LED264/WW 240W 220-240V DM MP1 R	730 warm white	No	Medium beam	-
911401672903	BWP352 LED276/NW 240W 220-240V DM MP1 R	740 neutral white	No	Medium beam	-
911401809098	BWP352 LED206/NW 180W 220-240V DM2 MP1	740 neutral white	-	-	-
911401809198	BWP352 LED274/NW 240W 220-240V DM2 MP1	740 neutral white	-	-	-
911401808798	BWP352 LED117/NW 100W 220-240V DM2 MP1	740 neutral white	-	-	-

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial luminous flux
911401609103	BWP352 LED29/NW 25W 220-240V DM2 MP1	4000 K	>70	2900 lm
911401609203	BWP352 LED65/NW 60W 220-240V DM2 MP1	4000 K	>70	6500 lm
911401667003	BWP352 LED33/NW 30W 220-240V DM2 MP1	4000 K	>70	3300 lm
911401667103	BWP352 LED44/NW 40W 220-240V DM2 MP1	4000 K	>70	4400 lm
911401672803	BWP352 LED66/WW 60W 220-240V DM MP1 R	3000 K	>70	6600 lm
911401673203	BWP352 LED69/NW 60W 220-240V DM MP1 R	4000 K	>70	6900 lm
911401808398	BWP352 LED69/NW 60W 220-240V DM2 MP1	4000 K	-	6500 lm
911401609303	BWP352 LED82/NW 70W 220-240V DM2 MP1	4000 K	>70	8200 lm
911401609403	BWP352 LED91/NW 80W 220-240V DM2 MP1	4000 K	>70	9100 lm
911401609503	BWP352 LED101/NW 90W 220-240V DM2 MP1	4000 K	>70	10100 lm
911401609603	BWP352 LED110/NW 100W 220-240V DM2 MP1	4000 K	>70	11000 lm
911401609703	BWP352 LED129/NW 120W 220-240V DM2 MP1	4000 K	>70	12900 lm
911401672703	BWP352 LED132/WW 120W 220-240V DM MP1 R	3000 K	>70	13200 lm
911401673103	BWP352 LED138/NW 120W 220-240V DM MP1 R	4000 K	>70	13800 lm
911401808298	BWP352 LED107/NW 90W 220-240V DM2 MP1	4000 K	-	10100 lm

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial luminous flux
911401808598	BWP352 LED87/NW 70W 220-240V DM2 MP1	4000 K	-	8200 lm
911401808698	BWP352 LED97/NW 80W 220-240V DM2 MP1	4000 K	-	9100 lm
911401609803	BWP352 LED166/NW 150W 220-240V DM2 MP1	4000 K	>70	16600 lm
911401609903	BWP352 LED194/NW 180W 220-240V DM2 MP1	4000 K	>70	19400 lm
911401672603	BWP352 LED198/WW 180W 220-240V DM MP1 R	3000 K	>70	19800 lm
911401673003	BWP352 LED207/NW 180W 220-240V DM MP1 R	4000 K	>70	20700 lm
911401808898	BWP352 LED137/NW 120W 220-240V DM2 MP1	4000 K	-	12900 lm
911401808998	BWP352 LED177/NW 150W 220-240V DM2 MP1	4000 K	-	16600 lm
911401610003	BWP352 LED257/NW 240W 220-240V DM2 MP1	4000 K	>70	25700 lm
911401672503	BWP352 LED264/WW 240W 220-240V DM MP1 R	3000 K	>70	26400 lm
911401672903	BWP352 LED276/NW 240W 220-240V DM MP1 R	4000 K	>70	27600 lm
911401809098	BWP352 LED206/NW 180W 220-240V DM2 MP1	4000 K	-	19400 lm
911401809198	BWP352 LED274/NW 240W 220-240V DM2 MP1	4000 K	-	25700 lm
911401808798	BWP352 LED117/NW 100W 220-240V DM2 MP1	4000 K	-	11000 lm

Mechanical and Housing

Order Code	Full Product Name	Color
911401609103	BWP352 LED29/NW 25W 220-240V DM2 MP1	grey
911401609203	BWP352 LED65/NW 60W 220-240V DM2 MP1	grey
911401667003	BWP352 LED33/NW 30W 220-240V DM2 MP1	grey
911401667103	BWP352 LED44/NW 40W 220-240V DM2 MP1	grey
911401672803	BWP352 LED66/WW 60W 220-240V DM MP1 R	grey
911401673203	BWP352 LED69/NW 60W 220-240V DM MP1 R	grey
911401808398	BWP352 LED69/NW 60W 220-240V DM2 MP1	-
911401609303	BWP352 LED82/NW 70W 220-240V DM2 MP1	grey
911401609403	BWP352 LED91/NW 80W 220-240V DM2 MP1	grey
911401609503	BWP352 LED101/NW 90W 220-240V DM2 MP1	grey
911401609603	BWP352 LED110/NW 100W 220-240V DM2 MP1	grey
911401609703	BWP352 LED129/NW 120W 220-240V DM2 MP1	grey
911401672703	BWP352 LED132/WW 120W 220-240V DM MP1 R	grey
911401673103	BWP352 LED138/NW 120W 220-240V DM MP1 R	grey
911401808298	BWP352 LED107/NW 90W 220-240V DM2 MP1	-

Order Code	Full Product Name	Color
911401808598	BWP352 LED87/NW 70W 220-240V DM2 MP1	-
911401808698	BWP352 LED97/NW 80W 220-240V DM2 MP1	-
911401609803	BWP352 LED166/NW 150W 220-240V DM2 MP1	grey
911401609903	BWP352 LED194/NW 180W 220-240V DM2 MP1	grey
911401672603	BWP352 LED198/WW 180W 220-240V DM MP1 R	grey
911401673003	BWP352 LED207/NW 180W 220-240V DM MP1 R	grey
911401808898	BWP352 LED137/NW 120W 220-240V DM2 MP1	-
911401808998	BWP352 LED177/NW 150W 220-240V DM2 MP1	-
911401610003	BWP352 LED257/NW 240W 220-240V DM2 MP1	grey
911401672503	BWP352 LED264/WW 240W 220-240V DM MP1 R	grey
911401672903	BWP352 LED276/NW 240W 220-240V DM MP1 R	grey
911401809098	BWP352 LED206/NW 180W 220-240V DM2 MP1	-
911401809198	BWP352 LED274/NW 240W 220-240V DM2 MP1	-
911401808798	BWP352 LED117/NW 100W 220-240V DM2 MP1	-

