

# 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  $\pm 60$  degrees to fully adapt to different tunnel applications

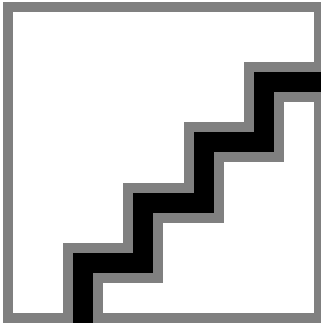
### Features

- 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

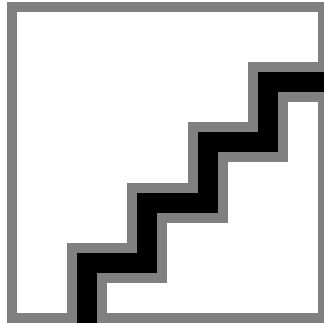
### Application

- 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

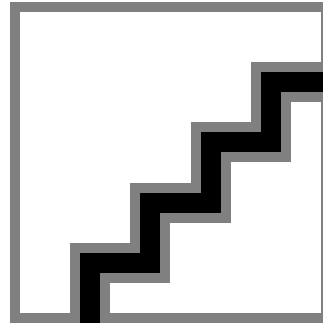
## Versions



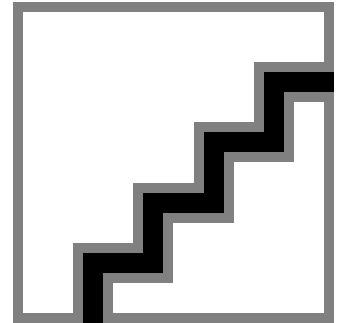
BWP352 25-60W 220-240V



BWP352 70-120W 220-240V



BWP352 130-180W 220-240V



BWP352 190-240W 220-240V

### Approval and Application

Mech. impact protection code IK08

### Controls and Dimming

Dimmable No

### General Information

CE mark CE mark

Light source color 740 neutral white

Driver included Yes

### Initial Performance (IEC Compliant)

Init. Corr. Color Temperature 4000 K

## Application Conditions

Order Code	Full Product Name	Maximum dim level
911401609203	BWP352 LED65/NW 60W 220-240V DM2 MP1	-
911401609303	BWP352 LED82/NW 70W 220-240V DM2 MP1	-
911401609703	BWP352 LED129/NW 120W 220-240V DM2 MP1	-

Order Code	Full Product Name	Maximum dim level
911401609903	BWP352 LED194/NW 180W 220-240V DM2 MP1	-
911401809198	BWP352 LED274/NW 240W 220-240V DM2 MP1	10%

## General Information

Order Code	Full Product Name	Light source replaceable	Optic type	UL mark
911401609203	BWP352 LED65/NW 60W 220-240V DM2 MP1	No	Wide beam	-
911401609303	BWP352 LED82/NW 70W 220-240V DM2 MP1	No	Wide beam	-
911401609703	BWP352 LED129/NW 120W 220-240V DM2 MP1	No	Wide beam	-

Order Code	Full Product Name	Light source replaceable	Optic type	UL mark
911401609903	BWP352 LED194/NW 180W 220-240V DM2 MP1	No	Wide beam	-
911401809198	BWP352 LED274/NW 240W 220-240V DM2 MP1	-	-	-

## Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Color Rendering Index	Initial luminous flux
911401609203	BWP352 LED65/NW 60W 220-240V DM2 MP1	>70	6500 lm
911401609303	BWP352 LED82/NW 70W 220-240V DM2 MP1	>70	8200 lm
911401609703	BWP352 LED129/NW 120W 220-240V DM2 MP1	>70	12900 lm

Order Code	Full Product Name	Init. Color Rendering Index	Initial luminous flux
911401609903	BWP352 LED194/NW 180W 220-240V DM2 MP1	>70	19400 lm
911401809198	BWP352 LED274/NW 240W 220-240V DM2 MP1	-	25700 lm

## Mechanical and Housing

Order Code	Full Product Name	Color
911401609203	BWP352 LED65/NW 60W 220-240V DM2 MP1	grey
911401609303	BWP352 LED82/NW 70W 220-240V DM2 MP1	grey
911401609703	BWP352 LED129/NW 120W 220-240V DM2 MP1	grey

Order Code	Full Product Name	Color
911401609903	BWP352 LED194/NW 180W 220-240V DM2 MP1	grey
911401809198	BWP352 LED274/NW 240W 220-240V DM2 MP1	-

