



# FlowPad - Smart choice for brighter tunnels

#### **FlowPad**

Municipalities value energy savings more than ever, as energy price hikes put increasing pressure on budgets. Tunnel lighting consumes substantial energy, so large-scale upgrades to energy-efficient LED tunnel lights are essential to cities' cost-saving efforts. FlowPad has been upgraded to minimize costs while maximizing efficacy, safety, and functionality. And the best part — FlowPad offers big light window with professional photometric, so it ensures safe and comfortable lighting in tunnels. These tunnel lights not only look good, they also offer excellent performance. Future-proof technology combines with high efficacy, innovative design, and smart connectivity in a light that makes your tunnels look brighter and better.

#### **Benefits**

- $\cdot$  High efficacy for energy savings and sustainability
- · Quality components combined with durable design
- Big window with optimized efficiency and multiple light pattern controls
- Interact Ready. Can be paired with IoT systems and lighting applications
- · Easy access to SPD, driver, and gear compartment

#### **Features**

- $\cdot$  Six housing types covering up to 80Klm
- Typical 160lm/W, high lumen efficacy for energy saving
- · Robust quality and reliability, 50Khrs lifetime @Ta50C Outdoor
- · Operation temperature up to Ta55C Outdoor
- · Professional optics for various applications, with big glass window
- · DALI dimming interface and optional NEMA/Zhaga socket for system
- · Tool-less maintenance for Driver box and SPD

# **Application**

- $\cdot$  City Tunnel
- · Highway Tunnel
- Underpass
- Elevated road

# **Specifications**

Material	Housing: extrusion aluminum and glass	
	Driver box: sheet metal	
Light Source	LED module	
Installation	Ceiling mount	
	Wall mount	
Luminous flux	up to 80-84klm system flux	
Correlated color	2200K	
temperature - CCT	2700K	
	3000K	
	4000K	
	5700K	
Luminaire efficacy	160lm/W	
Color Rendering index -	- 70	
CRI		
Optical distribution	R-JP	
	DTA	
	DTA-WB	
	DTS-WB	
	DSM	
	DTX2	

Power	up to 510W
Mains Voltage	220-240V, 50/60Hz120-277V, 50/60Hz
Control system input	1-10V / StepDim / DALI / Coded mains / D4i
Dimming	PSR: 1-10V dimmable
	PSRD: StepDim
	PSD: DALI
	PSC: Coded mains
	SR: D4i
Performance ambient	Outdoor Ta50C
temperature Tq	
Operating Temperature	Outdoor: - 40°C < Ta< 55°C
range	
Accessories	Extendable cable
Ingress protection	IP66
Certification	CB/EMC
·	

#### Versions









FlowPad Tunnel FlowPad Tunnel

FlowPad Tunnel

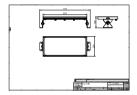
FlowPad Tunnel

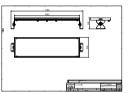
## Versions

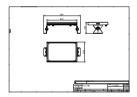


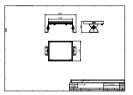
FlowPad Tunnel

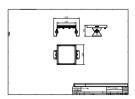
# Dimensional drawing



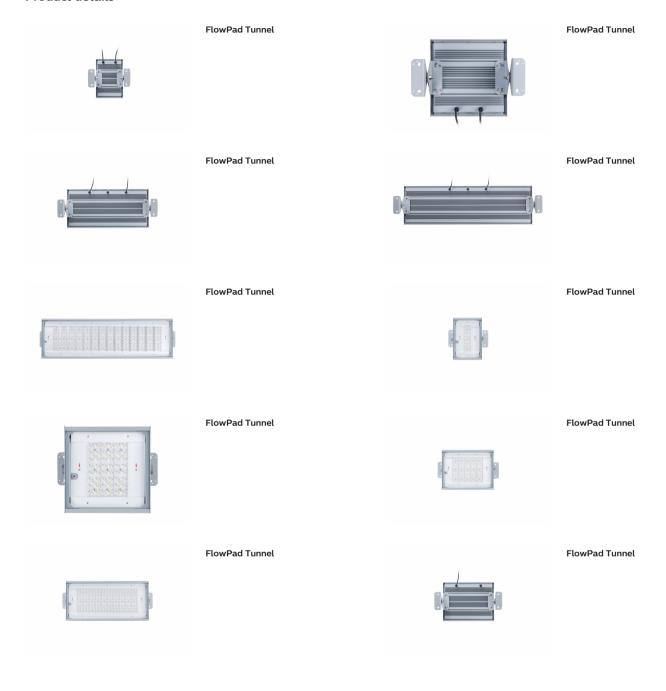








## **Product details**



General Information  Driver included No Number of gear units - Service tag Yes  Light Technical Luminaire light beam spread 148° x 88° Light source color 740 neutral white Correlated Color Temperature (Nom) 4000 K  Color rendering index (CRI) 70  Controls and Dimming Dimmable Yes  Mechanical and Housing Optical cover type Glass Housing Color Grey Mech. impact protection code IK08 Ingress protection code IP66  Approval and Application CE mark Yes  Flammability mark - Glow-wire test -		
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Controls and Dimming Dimmable  Yes  Mechanical and Housing Optical cover type Glass Housing Color Grey Mech. impact protection code IK08 Ingress protection code IP66  Approval and Application CE mark Yes Flammability mark -	Correlated Color Temperature (Nom)	4000 K
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Optical cover type Glass Housing Color Grey Mech. impact protection code IK08 Ingress protection code IP66  Approval and Application CE mark Yes Flammability mark -	Dimmable	Yes
Optical cover type Glass Housing Color Grey Mech. impact protection code IK08 Ingress protection code IP66  Approval and Application CE mark Yes Flammability mark -		
Housing Color Grey Mech. impact protection code IK08 Ingress protection code IP66  Approval and Application CE mark Yes Flammability mark -	Mechanical and Housing	
Mech. impact protection code IKO8 Ingress protection code IP66  Approval and Application CE mark Yes Flammability mark -	Optical cover type	Glass
Ingress protection code IP66  Approval and Application CE mark Yes Flammability mark -	Housing Color	Grey
Approval and Application  CE mark Yes  Flammability mark -	Mech. impact protection code	IK08
CE mark Yes Flammability mark -	Ingress protection code	IP66
CE mark Yes Flammability mark -		
Flammability mark -	Approval and Application	
·	CE mark	Yes
Glow-wire test -	Flammability mark	-
	Glow-wire test	-

## **Light Technical**

Order Code	Full Product Name	Luminous Flux
911401606709	BWP605 LED560/NW 340W DTA C2 C	55,600 lm
911401606309	BWP601 LED65/NW 40W DTA M C	6,500 lm
911401606509	BWP603 LED284/NW 170W DTA C	28,300 lm
911401606409	BWP602 LED170/NW 100W DTA C	17,000 lm
911401606809	BWP606 LED797/NW 480W DTA C2 C	79,700 lm

## Operating and Electrical

Order Code	Full Product Name	Power Consumption
911401606709	BWP605 LED560/NW 340W DTA C2 C	340 W
911401606309	BWP601 LED65/NW 40W DTA M C	40 W
911401606509	BWP603 LED284/NW 170W DTA C	170 W

Order Code	Full Product Name	Power Consumption
911401606409	BWP602 LED170/NW 100W DTA C	100 W
911401606809	BWP606 LED797/NW 480W DTA C2 C	480 W

