An easily installed, reliable waterproof luminaire

GreenPerform Waterproof Tubular

GreenPerform Waterproof Tubular delivers on the GreenPerform promise of innovative, high-quality luminaires. A reliable, efficient luminaire with long lifetime, GreenPerform Waterproof Tubular comes in two versions to meet various applications needs. The ammonia-resistant and sealed luminaire (PMMA) is suitable for animal lighting, livestock and food applications, while the PC version offers a modern and industrial design that is suitable for a wide range of general lighting applications. Both versions come with significant dust, water and impact protection.

Benefits
· Enhanced energy saving
· Reliable
· Ideal for multiple applications
· Quick installation

Features
· Up to 130lm/W
· 50khrs L80B50 lifetime, IP67/IP69K/IK06 (PMMA), IP68/IK10 (PC)
· animal farms or food processing (PMMA version), industrial application (PC version), and parking or high rank waterproof applications
· through wiring installed with external push in connector

Application
· Animal farms
· General Industry
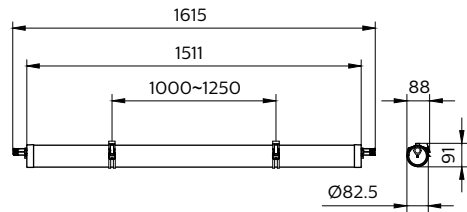· Parking garages
· Food factory

GreenPerform Waterproof Tubular

Specifications

Mounting type	Suspended
	Surface
Operating Temperature range	–20 to +40 ºC
Light Source	LED
Mains Voltage	220-240V / 50-60Hz
Mains connection	Push-in connector with pull relief
	Through wiring ready
Mechanical Accessories	Clips
	Suspension kits
Dimming	PSU: non-dimmable
Lumen maintenance at median useful life 50.000h	L80
Flicker / Pst / SVM	<4%
Luminous flux	3.9klm / 5klm / 7klm
Power consumption	28W / 39W / 54W

Luminaire efficacy	Up to 130lm/W
Correlated color temperature – CCT	4000K
	6500K
Color Rendering index – CRI	80
Beam angle	Lambertian
Optical cover/lens material	PC / PMMA
Optical cover/lens finish	Opal
Protection Class IEC61140	Class I
Mechanical impact protection	IK06 (PMMA) / IK10 (PC)
Ingress protection	IP67 (PMMA) / IP68 (PC)
Driver replaceable	No

Dimensional drawing

1615
1511
1000~1250
88
91
Ø82.5

GreenPerform Waterproof Tubular

Light Technical

Color rendering index (CRI)	>80

Operating and Electrical

Protection class IEC	Safety class I
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz

Controls and Dimming

Dimmable	No

Mechanical and Housing

Housing Color	White

Approval and Application

Ambient temperature range	–20 to +40 °C
CE mark	No
Flammability mark	For mounting on normally flammable surfaces

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux
65994399	WT228C LED50S/840 PSU L1200 TW	4000 K	130 lm/W	5,000 lm
65995099	WT228C LED50S/865 PSU L1200 TW	6500 K	130 lm/W	5,000 lm
65996799	WT228C LED70S/840 PSU L1500 TW	4000 K	130 lm/W	7,000 lm
65997499	WT228C LED39S/840 PSU L1500 TW	4000 K	139 lm/W	3,900 lm
95830299	WT238C LED50S/840 PSU L1200 TW GM	4000 K	130 lm/W	5,000 lm
95831999	WT238C LED50S/865 PSU L1200 TW GM	6500 K	130 lm/W	5,000 lm
95832699	WT238C LED70S/840 PSU L1500 TW GM	4000 K	130 lm/W	7,000 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
65994399	WT228C LED50S/840 PSU L1200 TW	39 W
65995099	WT228C LED50S/865 PSU L1200 TW	39 W
65996799	WT228C LED70S/840 PSU L1500 TW	54 W
65997499	WT228C LED39S/840 PSU L1500 TW	28 W

Order Code	Full Product Name	Power Consumption
95830299	WT238C LED50S/840 PSU L1200 TW GM	39 W
95831999	WT238C LED50S/865 PSU L1200 TW GM	39 W
95832699	WT238C LED70S/840 PSU L1500 TW GM	54 W

Mechanical and Housing

Order Code	Full Product Name	Optical cover type	Mech. impact protection code	Ingress protection code
65994399	WT228C LED50S/840 PSU L1200 TW	Acrylate	IK06	IP67
65995099	WT228C LED50S/865 PSU L1200 TW	Acrylate	IK06	IP67
65996799	WT228C LED70S/840 PSU L1500 TW	Acrylate	IK06	IP67
65997499	WT228C LED39S/840 PSU L1500 TW	Acrylate	IK06	IP67

Order Code	Full Product Name	Optical cover type	Mech. impact protection code	Ingress protection code
95830299	WT238C LED50S/840 PSU L1200 TW GM	Polycarbonate bowl/cover clear	IK10	IP68
95831999	WT238C LED50S/865 PSU L1200 TW GM	Polycarbonate bowl/cover clear	IK10	IP68
95832699	WT238C LED70S/840 PSU L1500 TW GM	Polycarbonate bowl/cover clear	IK10	IP68

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
65994399	WT228C LED50S/840 PSU L1200 TW	(0.38,0.38)<3
65995099	WT228C LED50S/865 PSU L1200 TW	(0.313,0.337)<3

Order Code	Full Product Name	Initial chromaticity
65996799	WT228C LED70S/840 PSU L1500 TW	(0.38,0.38)<3
65997499	WT228C LED39S/840 PSU L1500 TW	(0.38,0.38)<3

GreenPerform Waterproof Tubular

Order Code	Full Product Name	Initial chromaticity
95830299	WT238C LED50S/840 PSU L1200 TW GM	(0.38,0.38)<3
95831999	WT238C LED50S/865 PSU L1200 TW GM	(0.313,0.337)<3

Order Code	Full Product Name	Initial chromaticity
95832699	WT238C LED70S/840 PSU L1500 TW GM	(0.38,0.38)<3

www.lighting.philips.com

2024, August 29 – data subject to change