



Philips GreenPerform Waterproof G3: A high-performance, energy-efficient waterproof batten

GreenPerform Waterproof G3

GreenPerform Waterproof G3 is a superb choice for hard-working applications. Not only does it provide excellent optical performance, it also delivers substantial energy saving. And because it works seamlessly with IoT software like Interact, it also offers the option of customization, convenience, and data-driven insights.

Benefits

- Suit your applications with choice of two superior optics
- Excellent energy savings
- Data-driven insights via
- Interact software and platforms

Features

- Injection molding Polycarbonate Cover Opal (PCO) and Wide Beam (WB) optics
- Up to 140lm/W
- IP65/IK08
- 50,000 hours L70 B50 @ 35°C
- Works with Interact IoT software and platform

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Application

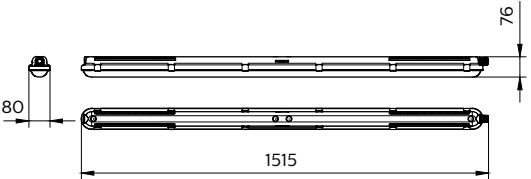
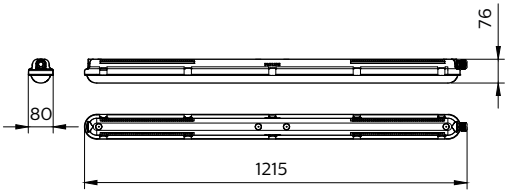
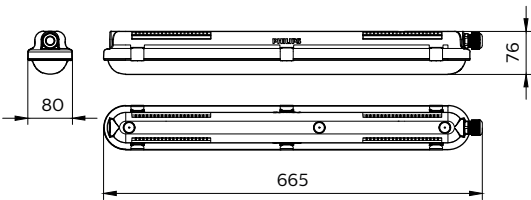
- Parking Garages
- Manufacturing
- Warehouses

Specifications

Mounting type	Surface
	Suspended
Operating Temperature range	-20 to +50°C
Light Source	LED
Mains Voltage	220-240V / 50-60Hz
Dimming	PSD: DALI
	WIA: Wireless control, compatible with Interact Pro
Control system input	DALI/Wireless Zigbee
Material	PC
Main color of the luminaire	RAL7035
Lumen maintenance at median useful life	L85
50.000h	
Flicker / Pst / SVM	<4% / 0.5 / 0.4
Luminous flux	Up to 8000lm
Power consumption	7.8W to 60W
Luminaire efficacy	Up to 140lm/W

Correlated color temperature - CCT	4000K
Color Rendering index - CRI	6500K
80	
Optical cover/lens material	PC
Optical cover/lens finish	Opal
Clear	
Mechanical impact protection	IK08
Ingress protection	IP65
Driver replaceable	Yes
Overall height	76mm
Overall length	665mm
	1215mm
	1515mm
Overall width	80mm
Installation	Suspension
	Surface

Dimensional drawing



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General Information	
Driver included	Yes
Light source replaceable	No
Number of gear units	1 unit
Service tag	Yes
Light Technical	
Beam angle of light source	120 degree(s)
Correlated Color Temperature (Nom)	4000 K
Color rendering index (CRI)	>80
Optic type	-
Operating and Electrical	
Protection class IEC	Safety class I
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Controls and Dimming	
Maximum dim level	Not applicable
Mechanical and Housing	
Optical cover type	-
Housing Color	Gray
Mech. impact protection code	IK08
Ingress protection code	IP65
Approval and Application	
Ambient temperature range	-20 to +45 °C
CE mark	Yes
ENEC mark	-
Flammability mark	-
Glow-wire test	Temperature 850 °C, duration 30 s
Initial Performance (IEC Compliant)	
Initial chromaticity	(0.38,0.38)
Luminous flux tolerance	+/-10%
Over Time Performance (IEC Compliant)	
Median useful life L80B50	42,000 hour(s)
Median useful life L90B50	20,000 hour(s)

Light Technical

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux
01562761	WT198C LED27S/840 PSP L1200	132 lm/W	2,700 lm
01562861	WT198C LED40S/840 PSD L1200	140 lm/W	4,000 lm
01562961	WT198C LED60S/840 PSD L1500	140 lm/W	6,000 lm
01563061	WT198C LED80S/840 PSD L1500	140 lm/W	8,000 lm
98271299	WT198C LED19S/840 PSU L600	127 lm/W	1,900 lm
01825680	WT198C LED27S/840 PSU L1200	132 lm/W	2,700 lm
51836099	WT198C LED40S/840 PSU L1200	140 lm/W	4,000 lm
97927999	WT198C LED60S/840 PSU L1500	140 lm/W	6,000 lm
98272999	WT198C LED80S/840 PSU L1500	140 lm/W	8,000 lm
01826080	WT198C LED18S/840 PSU PCO L600	121 lm/W	1,800 lm
01826180	WT198C LED25S/840 PSU PCO L1200	122 lm/W	2,500 lm
01826380	WT198C LED37S/840 PSU PCO L1200	128 lm/W	3,700 lm
98273699	WT198C LED57S/840 PSU PCO L1500	130 lm/W	5,700 lm
01826580	WT198C LED75S/840 PSU PCO L1500	133 lm/W	7,500 lm

Operating and Electrical

			Suitable for random switching
Order Code	Full Product Name	Power Consumption	
01562761	WT198C LED27S/840 PSP L1200	20.5 W	Not applicable
01562861	WT198C LED40S/840 PSD L1200	28.6 W	Not applicable
01562961	WT198C LED60S/840 PSD L1500	42.7 W	Not applicable
01563061	WT198C LED80S/840 PSD L1500	57.1 W	Not applicable
98271299	WT198C LED19S/840 PSU L600	15 W	-
01825680	WT198C LED27S/840 PSU L1200	20.5 W	-

			Suitable for random switching
Order Code	Full Product Name	Power Consumption	
51836099	WT198C LED40S/840 PSU L1200	28.6 W	-
97927999	WT198C LED60S/840 PSU L1500	42.7 W	-
98272999	WT198C LED80S/840 PSU L1500	57 W	-
01826080	WT198C LED18S/840 PSU PCO L600	15 W	-

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Order Code	Full Product Name	Power Consumption	Suitable for random switching
01826180	WT198C LED25S/840 PSU PCO L1200	20.5 W	-
01826380	WT198C LED37S/840 PSU PCO L1200	28.6 W	-

Order Code	Full Product Name	Power Consumption	Suitable for random switching
98273699	WT198C LED57S/840 PSU PCO L1500	42.7 W	-
01826580	WT198C LED75S/840 PSU PCO L1500	57 W	-

Controls and Dimming

Order Code	Full Product Name	Dimmable
01562761	WT198C LED27S/840 PSP L1200	Yes
01562861	WT198C LED40S/840 PSD L1200	Yes
01562961	WT198C LED60S/840 PSD L1500	Yes
01563061	WT198C LED80S/840 PSD L1500	Yes
98271299	WT198C LED19S/840 PSU L600	No
01825680	WT198C LED27S/840 PSU L1200	No
51836099	WT198C LED40S/840 PSU L1200	No

Order Code	Full Product Name	Dimmable
97927999	WT198C LED60S/840 PSU L1500	No
98272999	WT198C LED80S/840 PSU L1500	No
01826080	WT198C LED18S/840 PSU PCO L600	No
01826180	WT198C LED25S/840 PSU PCO L1200	No
01826380	WT198C LED37S/840 PSU PCO L1200	No
98273699	WT198C LED57S/840 PSU PCO L1500	No
01826580	WT198C LED75S/840 PSU PCO L1500	No

Over Time Performance (IEC Compliant)

Order Code	Full Product Name	Driver failure rate at 5000 h
01562761	WT198C LED27S/840 PSP L1200	0.01 %
01562861	WT198C LED40S/840 PSD L1200	0.01 %
01562961	WT198C LED60S/840 PSD L1500	0.01 %
01563061	WT198C LED80S/840 PSD L1500	0.01 %
98271299	WT198C LED19S/840 PSU L600	1 %
01825680	WT198C LED27S/840 PSU L1200	1 %
51836099	WT198C LED40S/840 PSU L1200	1 %

Order Code	Full Product Name	Driver failure rate at 5000 h
97927999	WT198C LED60S/840 PSU L1500	1 %
98272999	WT198C LED80S/840 PSU L1500	1 %
01826080	WT198C LED18S/840 PSU PCO L600	1 %
01826180	WT198C LED25S/840 PSU PCO L1200	1 %
01826380	WT198C LED37S/840 PSU PCO L1200	1 %
98273699	WT198C LED57S/840 PSU PCO L1500	1 %
01826580	WT198C LED75S/840 PSU PCO L1500	1 %

