



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

GreenPerform Waterproof G3

Application

- Parking Garages
- Manufacturing
- Warehouses

Specifications

Mounting type	Surface
	Suspended
Operating Temperature range	-20 to +45°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

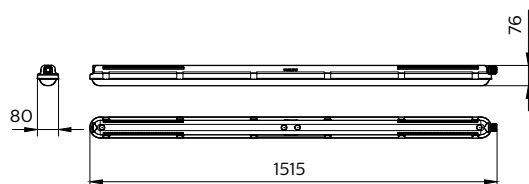
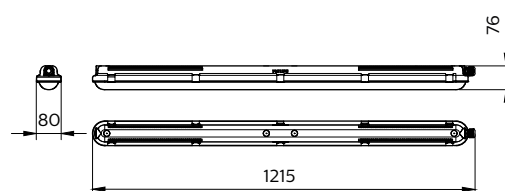
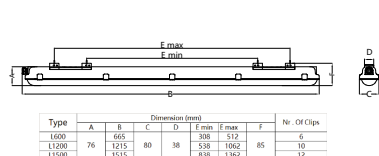
Versions



GreenPerform Waterproof EcoSet

GreenPerform Waterproof G3

Dimensional drawing



General Information

CE mark	CE mark
Driver included	Yes
ENEC mark	-
Flammability mark	-
Number of gear units	1 unit

Light Technical

Optic type	-
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Operating and Electrical

Input Voltage	220 to 240 V
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Temperature

Ambient temperature range	-20 to +45 °C
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Mechanical and Housing

Housing Color	Gray
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Approval and Application

Protection class IEC	Safety class I
Mech. impact protection code	IK08
Ingress protection code	IP65

General Information

Order Code	Full Product Name	Gear	Glow-wire test	Light source replaceable
911401551702	WT198X LED40S/840 L1 W L1200	EB	Temperature 650 °C, duration 30 s -	
911401571091	WT198X LED20S/840 L1 S L600	EB	Temperature 650 °C, duration 30 s -	
911401571191	WT198X LED27S/840 L1 S L1200	EB	Temperature 650 °C, duration 30 s -	
911401571291	WT198X LED40S/840 L1 S L1200	EB	Temperature 650 °C, duration 30 s -	
911401571691	WT198X LED27S/865 L1 S L1200	EB	Temperature 650 °C, duration 30 s -	
911401571791	WT198X LED40S/865 L1 S L1200	EB	Temperature 650 °C, duration 30 s -	
911401572191	WT198X LED26S/840 L1 S PCO L1200	EB	Temperature 650 °C, duration 30 s -	
911401572291	WT198X LED38S/840 L1 S PCO L1200	EB	Temperature 650 °C, duration 30 s -	
911401825680	WT198C LED27S/840 PSU L1200	-	Temperature 850 °C, duration 30 s No	
911401825780	WT198C LED40S/840 PSU L1200	-	Temperature 850 °C, duration 30 s No	
911401825880	WT198C LED60S/840 PSU L1500	-	Temperature 850 °C, duration 30 s No	
911401825980	WT198C LED80S/840 PSU L1500	-	Temperature 850 °C, duration 30 s No	
911401826380	WT198C LED37S/840 PSU PCO L1200	-	Temperature 850 °C, duration 30 s No	
911401826480	WT198C LED57S/840 PSU PCO L1500	-	Temperature 850 °C, duration 30 s No	

Light Technical (1/2)

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Order Code	Full Product Name	Beam angle of light source	Correlated Color Temperature (Nom)	Optical cover type	Color rendering index (CRI)
911401551702	WT198X LED40S/840 L1 W L1200	-	4000 K	Polycarbonate bowl/cover	80
911401571091	WT198X LED20S/840 L1 S L600	-	4000 K	Polycarbonate bowl/cover	80
911401571191	WT198X LED27S/840 L1 S L1200	-	4000 K	Polycarbonate bowl/cover	80
911401571291	WT198X LED40S/840 L1 S L1200	-	4000 K	Polycarbonate bowl/cover	80
911401571691	WT198X LED27S/865 L1 S L1200	-	6500 K	Polycarbonate bowl/cover	80
911401571791	WT198X LED40S/865 L1 S L1200	-	6500 K	Polycarbonate bowl/cover	80
911401572191	WT198X LED26S/840 L1 S PCO L1200	-	4000 K	Polycarbonate bowl/cover	80
911401572291	WT198X LED38S/840 L1 S PCO L1200	-	4000 K	Polycarbonate bowl/cover	80

Order Code	Full Product Name	Beam angle of light source	Correlated Color Temperature (Nom)	Optical cover type	Color rendering index (CRI)
911401825680	WT198C LED27S/840 PSU L1200	120 degree(s)	4000 K	-	>80
911401825780	WT198C LED40S/840 PSU L1200	120 degree(s)	4000 K	-	>80
911401825880	WT198C LED60S/840 PSU L1500	120 degree(s)	4000 K	-	>80
911401825980	WT198C LED80S/840 PSU L1500	120 degree(s)	4000 K	-	>80
911401826380	WT198C LED37S/840 PSU PCO L1200	120 degree(s)	4000 K	-	>80
911401826480	WT198C LED57S/840 PSU PCO L1500	120 degree(s)	4000 K	-	>80

Light Technical (2/2)

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux	Number of light sources
911401551702	WT198X LED40S/840 L1 W L1200	138.4 lm/W	4,000 lm	1
911401571091	WT198X LED20S/840 L1 S L600	136.1 lm/W	2,000 lm	1
911401571191	WT198X LED27S/840 L1 S L1200	143.6 lm/W	2,700 lm	1
911401571291	WT198X LED40S/840 L1 S L1200	138.4 lm/W	4,000 lm	1
911401571691	WT198X LED27S/865 L1 S L1200	143.6 lm/W	2,700 lm	1
911401571791	WT198X LED40S/865 L1 S L1200	138.4 lm/W	4,000 lm	1
911401572191	WT198X LED26S/840 L1 S PCO L1200	138.3 lm/W	2,600 lm	1

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux	Number of light sources
911401572291	WT198X LED38S/840 L1 S PCO L1200	131.5 lm/W	3,800 lm	1
911401825680	WT198C LED27S/840 PSU L1200	132 lm/W	2,700 lm	-
911401825780	WT198C LED40S/840 PSU L1200	140 lm/W	4,000 lm	-
911401825880	WT198C LED60S/840 PSU L1500	140 lm/W	6,000 lm	-
911401825980	WT198C LED80S/840 PSU L1500	140 lm/W	8,000 lm	-
911401826380	WT198C LED37S/840 PSU PCO L1200	128 lm/W	3,700 lm	-
911401826480	WT198C LED57S/840 PSU PCO L1500	130 lm/W	5,700 lm	-

Operating and Electrical

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Order Code	Full Product Name	Line Frequency	Power Consumption
911401551702	WT198X LED40S/840 L1 W L1200	50 to 60 Hz	28.9 W
911401571091	WT198X LED20S/840 L1 S L600	50 to 60 Hz	14.7 W
911401571191	WT198X LED27S/840 L1 S L1200	50 to 60 Hz	18.8 W
911401571291	WT198X LED40S/840 L1 S L1200	50 to 60 Hz	28.9 W
911401571691	WT198X LED27S/865 L1 S L1200	50 to 60 Hz	18.8 W
911401571791	WT198X LED40S/865 L1 S L1200	50 to 60 Hz	28.9 W
911401572191	WT198X LED26S/840 L1 S PCO L1200	50 to 60 Hz	18.8 W
911401572291	WT198X LED38S/840 L1 S PCO L1200	50 to 60 Hz	28.9 W

Controls and Dimming

Order Code	Full Product Name	Dimmable
911401551702	WT198X LED40S/840 L1 W L1200	Step Dim
911401571091	WT198X LED20S/840 L1 S L600	Step Dim
911401571191	WT198X LED27S/840 L1 S L1200	Wireless Dim
911401571291	WT198X LED40S/840 L1 S L1200	Wireless Dim
911401571691	WT198X LED27S/865 L1 S L1200	Wireless Dim
911401571791	WT198X LED40S/865 L1 S L1200	Step Dim
911401572191	WT198X LED26S/840 L1 S PCO L1200	Step Dim

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity	Luminous flux tolerance
911401551702	WT198X LED40S/840 L1 W L1200	(0.38, 0.38) SDCM≤3	-10% / +10%
911401571091	WT198X LED20S/840 L1 S L600	(0.38, 0.38) SDCM≤3	-10% / +10%
911401571191	WT198X LED27S/840 L1 S L1200	(0.38, 0.38) SDCM≤3	-10% / +10%
911401571291	WT198X LED40S/840 L1 S L1200	(0.38, 0.38) SDCM≤3	-10% / +10%
911401571691	WT198X LED27S/865 L1 S L1200	(0.32, 0.33) SDCM≤3	-10% / +10%
911401571791	WT198X LED40S/865 L1 S L1200	(0.32, 0.33) SDCM≤3	-10% / +10%
911401572191	WT198X LED26S/840 L1 S PCO L1200	(0.38, 0.38) SDCM≤3	-10% / +10%
911401572291	WT198X LED38S/840 L1 S PCO L1200	(0.38, 0.38) SDCM≤3	-10% / +10%

Over Time Performance (IEC Compliant)

Order Code	Full Product Name	Driver failure rate at 5000 h	Median useful life L80B50	Median useful life L90B50
911401551702	WT198X LED40S/840 L1 W L1200	-	-	-
911401571091	WT198X LED20S/840 L1 S L600	-	-	-
911401571191	WT198X LED27S/840 L1 S L1200	-	-	-

Order Code	Full Product Name	Line Frequency	Power Consumption
911401825680	WT198C LED27S/840 PSU L1200	50 or 60 Hz	20.5 W
911401825780	WT198C LED40S/840 PSU L1200	50 or 60 Hz	28.6 W
911401825880	WT198C LED60S/840 PSU L1500	50 or 60 Hz	42.7 W
911401825980	WT198C LED80S/840 PSU L1500	50 or 60 Hz	57 W
911401826380	WT198C LED37S/840 PSU PCO L1200	50 or 60 Hz	28.6 W
911401826480	WT198C LED57S/840 PSU PCO L1500	50 or 60 Hz	42.7 W

Order Code	Full Product Name	Dimmable
911401572291	WT198X LED38S/840 L1 S PCO L1200	Wireless Dim
911401825680	WT198C LED27S/840 PSU L1200	No
911401825780	WT198C LED40S/840 PSU L1200	No
911401825880	WT198C LED60S/840 PSU L1500	No
911401825980	WT198C LED80S/840 PSU L1500	No
911401826380	WT198C LED37S/840 PSU PCO L1200	No
911401826480	WT198C LED57S/840 PSU PCO L1500	No

Order Code	Full Product Name	Initial chromaticity	Luminous flux tolerance
911401825680	WT198C LED27S/840 PSU L1200	(0.38,0.38)	+/-10%
911401825780	WT198C LED40S/840 PSU L1200	(0.38,0.38)	+/-10%
911401825880	WT198C LED60S/840 PSU L1500	(0.38,0.38)	+/-10%
911401825980	WT198C LED80S/840 PSU L1500	(0.38,0.38)	+/-10%
911401826380	WT198C LED37S/840 PSU PCO L1200	(0.38,0.38)	+/-10%
911401826480	WT198C LED57S/840 PSU PCO L1500	(0.38,0.38)	+/-10%

Order Code	Full Product Name	Driver failure rate at 5000 h	Median useful life L80B50	Median useful life L90B50
911401571291	WT198X LED40S/840 L1 S L1200	-	-	-
911401571691	WT198X LED27S/865 L1 S L1200	-	-	-
911401571791	WT198X LED40S/865 L1 S L1200	-	-	-

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Order Code	Full Product Name	Driver failure rate at 5000 h	Median useful life L80B50	Median useful life L90B50
911401572191	WT198X LED26S/840 L1 S PCO L1200	-	-	-
911401572291	WT198X LED38S/840 L1 S PCO L1200	-	-	-
911401825680	WT198C LED27S/840 PSU L1200	1 %	42,000 hour(s)	20,000 hour(s)
911401825780	WT198C LED40S/840 PSU L1200	1 %	42,000 hour(s)	20,000 hour(s)

Order Code	Full Product Name	Driver failure rate at 5000 h	Median useful life L80B50	Median useful life L90B50
911401825880	WT198C LED60S/840 PSU L1500	1 %	42,000 hour(s)	20,000 hour(s)
911401825980	WT198C LED80S/840 PSU L1500	1 %	42,000 hour(s)	20,000 hour(s)
911401826380	WT198C LED37S/840 PSU PCO L1200	1 %	42,000 hour(s)	20,000 hour(s)
911401826480	WT198C LED57S/840 PSU PCO L1500	1 %	42,000 hour(s)	20,000 hour(s)

Application Conditions

Order Code	Full Product Name	Maximum dim level	Suitable for random switching
911401551702	WT198X LED40S/840 L1 W L1200	20%	Yes
911401571091	WT198X LED20S/840 L1 S L600	20%	Yes
911401571191	WT198X LED27S/840 L1 S L1200	20%	Yes
911401571291	WT198X LED40S/840 L1 S L1200	20%	Yes
911401571691	WT198X LED27S/865 L1 S L1200	20%	Yes
911401571791	WT198X LED40S/865 L1 S L1200	20%	Yes
911401572191	WT198X LED26S/840 L1 S PCO L1200	20%	Yes
911401572291	WT198X LED38S/840 L1 S PCO L1200	20%	Yes

Order Code	Full Product Name	Maximum dim level	Suitable for random switching
911401825680	WT198C LED27S/840 PSU L1200	Not applicable	-
911401825780	WT198C LED40S/840 PSU L1200	Not applicable	-
911401825880	WT198C LED60S/840 PSU L1500	Not applicable	-
911401825980	WT198C LED80S/840 PSU L1500	Not applicable	-
911401826380	WT198C LED37S/840 PSU PCO L1200	Not applicable	-
911401826480	WT198C LED57S/840 PSU PCO L1500	Not applicable	-

