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℃
- Works with Interact IoT software and platform

GreenPerform Waterproof G3

Application

- Parking Garages
- Manufacturing
- Warehouses

Specifications

Mounting type	Surface		**Correlated color**	4000K
	Suspended		**temperature – CCT**	6500K
Operating Temperature range	–20 to +50ºC		**Color Rendering index – CRI**	80
Light Source	LED		**Optical cover/lens material**	PC
Mains Voltage	220-240V / 50-60Hz		**Optical cover/lens finish**	Opal
Dimming	PSD: DALI			Clear
	WIA: Wireless control, compatible with Interact Pro		**Mechanical impact protection**	IK08
Control system input	DALI/Wireless Zigbee		**Ingress protection**	IP65
Material	PC		**Driver replaceable**	Yes
Main color of the luminaire	RAL7035		**Overall height**	76mm
Lumen maintenance at median useful life 50.000h	L85		**Overall length**	665mm
				1215mm
				1515mm
Flicker / Pst / SVM	<4% / 0.5 / 0.4		**Overall width**	80mm
Luminous flux	Up to 8000lm		**Installation**	Suspension
Power consumption	7.8W to 60W			Surface
Luminaire efficacy	Up to 140lm/W			

Versions

GreenPerform Waterproof EcoSet

GreenPerform Waterproof G3

Dimensional drawing
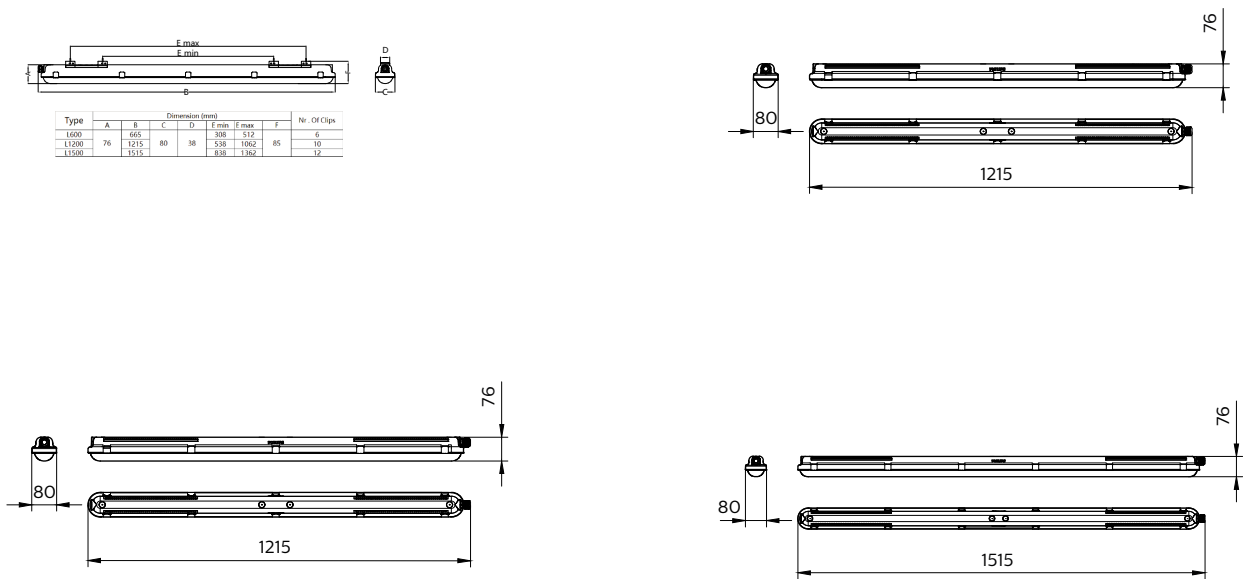
General Information

Driver included	Yes
Number of gear units	1 unit
Service tag	Yes

Light Technical

Optic type	–

Operating and Electrical

Protection class IEC	Safety class I
Input Voltage	220 to 240 V

Mechanical and Housing

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	–

General Information

Order Code	Full Product Name	Gear	Light source replaceable
911401551702	WT198X LED40S/840 L1 W L1200	EB	–
911401571091	WT198X LED20S/840 L1 S L600	EB	–
911401571191	WT198X LED27S/840 L1 S L1200	EB	–
911401571291	WT198X LED40S/840 L1 S L1200	EB	–
911401571691	WT198X LED27S/865 L1 S L1200	EB	–
911401571791	WT198X LED40S/865 L1 S L1200	EB	–
911401572191	WT198X LED26S/840 L1 S PCO L1200	EB	–
911401572291	WT198X LED38S/840 L1 S PCO L1200	EB	–
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

Light Technical (1/2)

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Order Code	Full Product Name	Beam angle of light source	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)
911401551702	WT198X LED40S/840 L1 W L1200	-	4000 K	80	138.4 lm/W
911401571091	WT198X LED20S/840 L1 S L600	-	4000 K	80	136.1 lm/W
911401571191	WT198X LED27S/840 L1 S L1200	-	4000 K	80	143.6 lm/W
911401571291	WT198X LED40S/840 L1 S L1200	-	4000 K	80	138.4 lm/W
911401571691	WT198X LED27S/865 L1 S L1200	-	6500 K	80	143.6 lm/W
911401571791	WT198X LED40S/865 L1 S L1200	-	6500 K	80	138.4 lm/W
911401572191	WT198X LED26S/840 L1 S PCO L1200	-	4000 K	80	138.3 lm/W
911401572291	WT198X LED38S/840 L1 S PCO L1200	-	4000 K	80	131.5 lm/W

Order Code	Full Product Name	Beam angle of light source	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)
911401825680	WT198C LED27S/840 PSU L1200	120 degree(s)	4000 K	>80	132 lm/W
911401825780	WT198C LED40S/840 PSU L1200	120 degree(s)	4000 K	>80	140 lm/W
911401825880	WT198C LED60S/840 PSU L1500	120 degree(s)	4000 K	>80	140 lm/W
911401825980	WT198C LED80S/840 PSU L1500	120 degree(s)	4000 K	>80	140 lm/W
911401826380	WT198C LED37S/840 PSU PCO L1200	120 degree(s)	4000 K	>80	128 lm/W
911401826480	WT198C LED57S/840 PSU PCO L1500	120 degree(s)	4000 K	>80	130 lm/W

Light Technical (2/2)

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

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

Operating and Electrical

Order Code	Full Product Name	Line Frequency	Power Consumption	Suitable for random switching
911401551702	WT198X LED40S/840 L1 W L1200	50 to 60 Hz	28.9 W	Yes
911401571091	WT198X LED20S/840 L1 S L600	50 to 60 Hz	14.7 W	Yes
911401571191	WT198X LED27S/840 L1 S L1200	50 to 60 Hz	18.8 W	Yes

Order Code	Full Product Name	Line Frequency	Power Consumption	Suitable for random switching
911401571291	WT198X LED40S/840 L1 S L1200	50 to 60 Hz	28.9 W	Yes
911401571691	WT198X LED27S/865 L1 S L1200	50 to 60 Hz	18.8 W	Yes
911401571791	WT198X LED40S/865 L1 S L1200	50 to 60 Hz	28.9 W	Yes

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Order Code	Full Product Name	Line Frequency	Power Consumption	Suitable for random switching
911401572191	WT198X LED26S/840 L1 S PCO L1200	50 to 60 Hz	18.8 W	Yes
911401572291	WT198X LED38S/840 L1 S PCO L1200	50 to 60 Hz	28.9 W	Yes
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	-

Order Code	Full Product Name	Line Frequency	Power Consumption	Suitable for random switching
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	-

Controls and Dimming

Order Code	Full Product Name	Dimmable	Maximum dim level
911401551702	WT198X LED40S/840 L1 W L1200	Step Dim	20%
911401571091	WT198X LED20S/840 L1 S L600	Step Dim	20%
911401571191	WT198X LED27S/840 L1 S L1200	Wireless Dim	20%
911401571291	WT198X LED40S/840 L1 S L1200	Wireless Dim	20%
911401571691	WT198X LED27S/865 L1 S L1200	Wireless Dim	20%
911401571791	WT198X LED40S/865 L1 S L1200	Step Dim	20%
911401572191	WT198X LED26S/840 L1 S PCO L1200	Step Dim	20%

Order Code	Full Product Name	Dimmable	Maximum dim level
911401572291	WT198X LED38S/840 L1 S PCO L1200	Wireless Dim	20%
911401825680	WT198C LED27S/840 PSU L1200	No	Not applicable
911401825780	WT198C LED40S/840 PSU L1200	No	Not applicable
911401825880	WT198C LED60S/840 PSU L1500	No	Not applicable
911401825980	WT198C LED80S/840 PSU L1500	No	Not applicable
911401826380	WT198C LED37S/840 PSU PCO L1200	No	Not applicable
911401826480	WT198C LED57S/840 PSU PCO L1500	No	Not applicable

Mechanical and Housing

Order Code	Full Product Name	Optical cover type
911401551702	WT198X LED40S/840 L1 W L1200	Polycarbonate bowl/cover
911401571091	WT198X LED20S/840 L1 S L600	Polycarbonate bowl/cover
911401571191	WT198X LED27S/840 L1 S L1200	Polycarbonate bowl/cover
911401571291	WT198X LED40S/840 L1 S L1200	Polycarbonate bowl/cover
911401571691	WT198X LED27S/865 L1 S L1200	Polycarbonate bowl/cover
911401571791	WT198X LED40S/865 L1 S L1200	Polycarbonate bowl/cover
911401572191	WT198X LED26S/840 L1 S PCO L1200	Polycarbonate bowl/cover

Order Code	Full Product Name	Optical cover type
911401572291	WT198X LED38S/840 L1 S PCO L1200	Polycarbonate bowl/cover
911401825680	WT198C LED27S/840 PSU L1200	-
911401825780	WT198C LED40S/840 PSU L1200	-
911401825880	WT198C LED60S/840 PSU L1500	-
911401825980	WT198C LED80S/840 PSU L1500	-
911401826380	WT198C LED37S/840 PSU PCO L1200	-
911401826480	WT198C LED57S/840 PSU PCO L1500	-

Approval and Application

Order Code	Full Product Name	Glow-wire test
911401551702	WT198X LED40S/840 L1 W L1200	Temperature 650 °C, duration 30 s
911401571091	WT198X LED20S/840 L1 S L600	Temperature 650 °C, duration 30 s
911401571191	WT198X LED27S/840 L1 S L1200	Temperature 650 °C, duration 30 s
911401571291	WT198X LED40S/840 L1 S L1200	Temperature 650 °C, duration 30 s
911401571691	WT198X LED27S/865 L1 S L1200	Temperature 650 °C, duration 30 s
911401571791	WT198X LED40S/865 L1 S L1200	Temperature 650 °C, duration 30 s
911401572191	WT198X LED26S/840 L1 S PCO L1200	Temperature 650 °C, duration 30 s
911401572291	WT198X LED38S/840 L1 S PCO L1200	Temperature 650 °C, duration 30 s

Order Code	Full Product Name	Glow-wire test
911401825680	WT198C LED27S/840 PSU L1200	Temperature 850 °C, duration 30 s
911401825780	WT198C LED40S/840 PSU L1200	Temperature 850 °C, duration 30 s
911401825880	WT198C LED60S/840 PSU L1500	Temperature 850 °C, duration 30 s
911401825980	WT198C LED80S/840 PSU L1500	Temperature 850 °C, duration 30 s
911401826380	WT198C LED37S/840 PSU PCO L1200	Temperature 850 °C, duration 30 s
911401826480	WT198C LED57S/840 PSU PCO L1500	Temperature 850 °C, duration 30 s

Initial Performance (IEC Compliant)

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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%

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%

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	-	-	-
911401571291	WT198X LED40S/840 L1 S L1200	-	-	-
911401571691	WT198X LED27S/865 L1 S L1200	-	-	-
911401571791	WT198X LED40S/865 L1 S L1200	-	-	-
911401572191	WT198X LED26S/840 L1 S PCO L1200	-	-	-

Order Code	Full Product Name	Driver failure rate at 5000 h	Median useful life L80B50	Median useful life L90B50
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)
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)