



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	80
Optical cover/lens material	PC
Optical cover/lens finish	Opal
finish	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

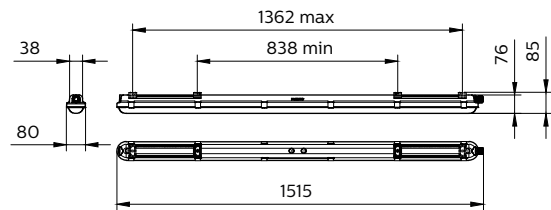
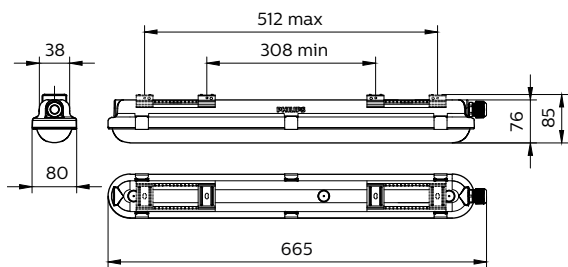


CoreLine Waterproof WT120C G2 PCU -

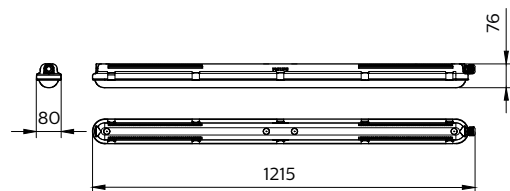
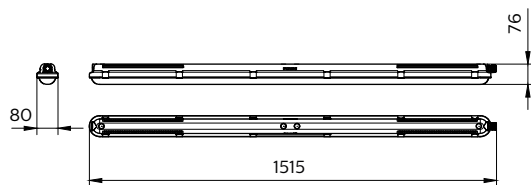
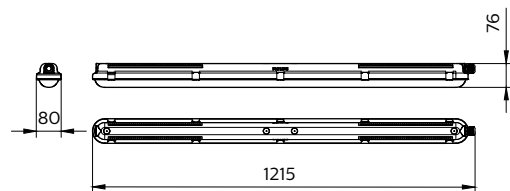
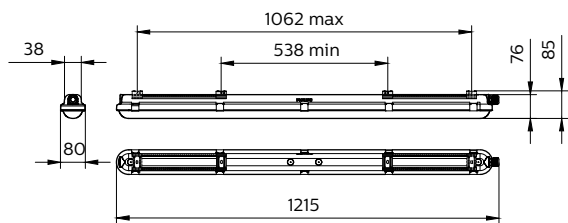
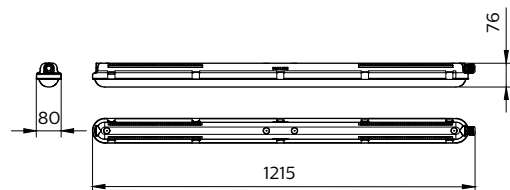


L1200

Dimensional drawing



Type	A	B	C	D	E min	E max	F	Nr. Of Clips
1600	76	665	80	98	538	512	85	6
11200	76	1215	80	98	538	1062	85	10
11500	76	1515	80	98	538	1362	85	12



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General Information

CE mark CE mark

ENEC mark -

Light Technical

Optic type -

Temperature

Ambient temperature range -20 to +45 °C

Mechanical and Housing

Housing Color Gray

Approval and Application

Protection class IEC Safety class I

Mech. impact protection code IK08

Ingress protection code IP65

General Information (1/2)

Order Code	Full Product Name	Driver included	Flammability mark	Gear	Glow-wire test
911401571391	WT198X LED60S/840 L1 S L1500	Yes	-	EB	Temperature 650 °C, duration 30 s
911401571291	WT198X LED40S/840 L1 S L1200	Yes	-	EB	Temperature 650 °C, duration 30 s
911401571691	WT198X LED27S/865 L1 S L1200	Yes	-	EB	Temperature 650 °C, duration 30 s
911401571791	WT198X LED40S/865 L1 S L1200	Yes	-	EB	Temperature 650 °C, duration 30 s
911401572191	WT198X LED26S/840 L1 S PCO L1200	Yes	-	EB	Temperature 650 °C, duration 30 s
911401572291	WT198X LED38S/840 L1 S PCO L1200	Yes	-	EB	Temperature 650 °C, duration 30 s
911401572691	WT198X LED26S/865 L1 S PCO L1200	Yes	-	EB	Temperature 650 °C, duration 30 s
911401572791	WT198X LED38S/865 L1 S PCO L1200	Yes	-	EB	Temperature 650 °C, duration 30 s
911401552261	WT198C LED40S/840 PSU L1200 CL	Yes	-	-	Temperature 850 °C, duration 30 s
911401552361	WT198C LED60S/840 PSU L1500 CL	Yes	-	-	Temperature 850 °C, duration 30 s
911401552461	WT198C LED19S/840 PSU L600 CL	Yes	-	-	Temperature 850 °C, duration 30 s
911401562861	WT198C LED40S/840 PSD L1200	Yes	-	-	Temperature 850 °C, duration 30 s
911401562961	WT198C LED60S/840 PSD L1500	Yes	-	-	Temperature 850 °C, duration 30 s
911401563061	WT198C LED80S/840 PSD L1500	Yes	-	-	Temperature 850 °C, duration 30 s
911401825680	WT198C LED27S/840 PSU L1200	Yes	-	-	Temperature 850 °C, duration 30 s
911401825780	WT198C LED40S/840 PSU L1200	Yes	-	-	Temperature 850 °C, duration 30 s
911401825880	WT198C LED60S/840 PSU L1500	Yes	-	-	Temperature 850 °C, duration 30 s
911401825980	WT198C LED80S/840 PSU L1500	Yes	-	-	Temperature 850 °C, duration 30 s
911401550181	WT198X LED40S/840 WIA L1200	-	For mounting on normally flammable surfaces	-	-

General Information (2/2)

Order Code	Full Product Name	Light source replaceable	Number of gear units
911401571391	WT198X LED60S/840 L1 S L1500	-	1 unit
911401571291	WT198X LED40S/840 L1 S L1200	-	1 unit
911401571691	WT198X LED27S/865 L1 S L1200	-	1 unit
911401571791	WT198X LED40S/865 L1 S L1200	-	1 unit

Order Code	Full Product Name	Light source replaceable	Number of gear units
911401572191	WT198X LED26S/840 L1 S PCO L1200	-	1 unit
911401572291	WT198X LED38S/840 L1 S PCO L1200	-	1 unit

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Order Code	Full Product Name	Light source replaceable	Number of gear units
911401572691	WT198X LED26S/865 L1 S PCO L1200	-	1 unit
911401572791	WT198X LED38S/865 L1 S PCO L1200	-	1 unit
911401552261	WT198C LED40S/840 PSU L1200 CL	No	1 unit
911401552361	WT198C LED60S/840 PSU L1500 CL	No	1 unit
911401552461	WT198C LED19S/840 PSU L600 CL	No	1 unit

Light Technical (1/2)

Order Code	Full Product Name	Beam angle of light source	Correlated Color Temperature (Nom)	Optical cover type	Color rendering index (CRI)
911401571391	WT198X LED60S/840 L1 S L1500	-	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
911401572691	WT198X LED26S/865 L1 S PCO L1200	-	6500 K	Polycarbonate bowl/cover	80
911401572791	WT198X LED38S/865 L1 S PCO L1200	-	6500 K	Polycarbonate bowl/cover	80
911401552261	WT198C LED40S/840 degree(s)	120	4000 K	-	>80

Order Code	Full Product Name	Light source replaceable	Number of gear units
911401562861	WT198C LED40S/840 PSD L1200	No	1 unit
911401562961	WT198C LED60S/840 PSD L1500	No	1 unit
911401563061	WT198C LED80S/840 PSD L1500	No	1 unit
911401825680	WT198C LED27S/840 PSU L1200	No	1 unit
911401825780	WT198C LED40S/840 PSU L1200	No	1 unit
911401825880	WT198C LED60S/840 PSU L1500	No	1 unit
911401825980	WT198C LED80S/840 PSU L1500	No	1 unit
911401550181	WT198X LED40S/840 WIA L1200	-	-

Order Code	Full Product Name	Beam angle of light source	Correlated Color Temperature (Nom)	Optical cover type	Color rendering index (CRI)
	PSU L1200 CL				
911401552361	WT198C LED60S/840 PSU L1500 CL	120 degree(s)	4000 K	-	>80
911401552461	WT198C LED19S/840 PSU L600 CL	120 degree(s)	4000 K	-	>80
911401562861	WT198C LED40S/840 PSD L1200	120 degree(s)	4000 K	-	>80
911401562961	WT198C LED60S/840 PSD L1500	120 degree(s)	4000 K	-	>80
911401563061	WT198C LED80S/840 PSD L1500	120 degree(s)	4000 K	-	>80
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
911401550181	WT198X LED40S/840 WIA L1200	-	4000 K	Acrylic bowl/cover frosted	>80

Light Technical (2/2)

Order Code	Full Product Name	Luminous Efficacy (rated)	Luminous Flux	Number of	Order Code	Full Product Name	Luminous Efficacy (rated)	Luminous Flux	Number of
		(Nom)		light sources			(Nom)		light sources
911401571391	WT198X LED60S/840 L1 S L1500	137.6 lm/W	6,000 lm	1	911401552461	WT198C LED19S/840 PSU L600 CL	127 lm/W	1,900 lm	-
911401571291	WT198X LED40S/840 L1 S L1200	138.4 lm/W	4,000 lm	1	911401562861	WT198C LED40S/840 PSD L1200	140 lm/W	4,000 lm	-
911401571691	WT198X LED27S/865 L1 S L1200	143.6 lm/W	2,700 lm	1	911401562961	WT198C LED60S/840 PSD L1500	140 lm/W	6,000 lm	-
911401571791	WT198X LED40S/865 L1 S L1200	138.4 lm/W	4,000 lm	1	911401563061	WT198C LED80S/840 PSD L1500	140 lm/W	8,000 lm	-
911401572191	WT198X LED26S/840 L1 S PCO L1200	138.3 lm/W	2,600 lm	1	911401825680	WT198C LED27S/840 PSU L1200	132 lm/W	2,700 lm	-
911401572291	WT198X LED38S/840 L1 S PCO L1200	131.5 lm/W	3,800 lm	1	911401825780	WT198C LED40S/840 PSU L1200	140 lm/W	4,000 lm	-
911401572691	WT198X LED26S/865 L1 S PCO L1200	138.3 lm/W	2,600 lm	1	911401825880	WT198C LED60S/840 PSU L1500	140 lm/W	6,000 lm	-
911401572791	WT198X LED38S/865 L1 S PCO L1200	131.5 lm/W	3,800 lm	1	911401825980	WT198C LED80S/840 PSU L1500	140 lm/W	8,000 lm	-
911401552261	WT198C LED40S/840 PSU L1200 CL	140 lm/W	4,000 lm	-	911401550181	WT198X LED40S/840 WIA L1200	133 lm/W	4,000 lm	-
911401552361	WT198C LED60S/840 PSU L1500 CL	140 lm/W	6,000 lm	-					

Operating and Electrical

Order Code	Full Product Name	Input Voltage	Line Frequency	Power	Order Code	Full Product Name	Input Voltage	Line Frequency	Power
				Consumption					Consumption
911401571391	WT198X LED60S/840 L1 S L1500	220 to 240 V	50 to 60 Hz	43.6 W	911401572791	WT198X LED38S/865 L1 S PCO L1200	220 to 240 V	50 to 60 Hz	28.9 W
911401571291	WT198X LED40S/840 L1 S L1200	220 to 240 V	50 to 60 Hz	28.9 W	911401552261	WT198C LED40S/840 PSU L1200 CL	220 to 240 V	50 or 60 Hz	28.6 W
911401571691	WT198X LED27S/865 L1 S L1200	220 to 240 V	50 to 60 Hz	18.8 W	911401552361	WT198C LED60S/840 PSU L1500 CL	220 to 240 V	50 or 60 Hz	42.7 W
911401571791	WT198X LED40S/865 L1 S L1200	220 to 240 V	50 to 60 Hz	28.9 W	911401552461	WT198C LED19S/840 PSU L600 CL	220 to 240 V	50 or 60 Hz	15 W
911401572191	WT198X LED26S/840 L1 S PCO L1200	220 to 240 V	50 to 60 Hz	18.8 W	911401562861	WT198C LED40S/840 PSD L1200	220 to 240 V	50 or 60 Hz	28.6 W
911401572291	WT198X LED38S/840 L1 S PCO L1200	220 to 240 V	50 to 60 Hz	28.9 W	911401562961	WT198C LED60S/840 PSD L1500	220 to 240 V	50 or 60 Hz	42.7 W
911401572691	WT198X LED26S/865 L1 S PCO L1200	220 to 240 V	50 to 60 Hz	18.8 W	911401563061	WT198C LED80S/840 PSD L1500	220 to 240 V	50 or 60 Hz	57 W

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Order Code	Full Product Name	Input Voltage	Line Frequency	Power
				Consumption
911401825680	WT198C	220 to 240 V	50 or 60 Hz	20.5 W
	LED27S/840 PSU			
	L1200			
911401825780	WT198C	220 to 240 V	50 or 60 Hz	28.6 W
	LED40S/840 PSU			
	L1200			
911401825880	WT198C	220 to 240 V	50 or 60 Hz	42.7 W
	LED60S/840 PSU			
	L1500			

Order Code	Full Product Name	Input Voltage	Line Frequency	Power
				Consumption
911401825980	WT198C	220 to 240 V	50 or 60 Hz	57 W
	LED80S/840 PSU			
	L1500			
911401550181	WT198X	220-240 V	50 or 60 Hz	30 W
	LED40S/840 WIA			
	L1200			

Controls and Dimming

Order Code	Full Product Name	Dimmable
911401571391	WT198X LED60S/840 L1 S L1500	Step 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
911401572291	WT198X LED38S/840 L1 S PCO L1200	Wireless Dim
911401572691	WT198X LED26S/865 L1 S PCO L1200	Step Dim
911401572791	WT198X LED38S/865 L1 S PCO L1200	Wireless Dim
911401552261	WT198C LED40S/840 PSU L1200 CL	No
911401552361	WT198C LED60S/840 PSU L1500 CL	No

Order Code	Full Product Name	Dimmable
911401552461	WT198C LED19S/840 PSU L600 CL	No
911401562861	WT198C LED40S/840 PSD L1200	Yes
911401562961	WT198C LED60S/840 PSD L1500	Yes
911401563061	WT198C LED80S/840 PSD L1500	Yes
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
911401550181	WT198X LED40S/840 WIA L1200	Wireless Dim

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity	Luminous flux
			tolerance
911401571391	WT198X LED60S/840 L1 S	(0.38, 0.38) SDCM≤3	-10% / +10%
	L1500		
911401571291	WT198X LED40S/840 L1 S	(0.38, 0.38) SDCM≤3	-10% / +10%
	L1200		
911401571691	WT198X LED27S/865 L1 S	(0.32, 0.33) SDCM≤3	-10% / +10%
	L1200		
911401571791	WT198X LED40S/865 L1 S	(0.32, 0.33) SDCM≤3	-10% / +10%
	L1200		
911401572191	WT198X LED26S/840 L1 S PCO	(0.38, 0.38) SDCM≤3	-10% / +10%
	L1200		
911401572291	WT198X LED38S/840 L1 S PCO	(0.38, 0.38) SDCM≤3	-10% / +10%
	L1200		
911401572691	WT198X LED26S/865 L1 S PCO	(0.32, 0.33) SDCM≤3	-10% / +10%
	L1200		
911401572791	WT198X LED38S/865 L1 S PCO	(0.32, 0.33) SDCM≤3	-10% / +10%
	L1200		
911401552261	WT198C LED40S/840 PSU	(0.38, 0.38)	+/-10%
	L1200 CL		
911401552361	WT198C LED60S/840 PSU	(0.38, 0.38)	+/-10%
	L1500 CL		

Order Code	Full Product Name	Initial chromaticity	Luminous flux
			tolerance
911401552461	WT198C LED19S/840 PSU	(0.38, 0.38)	+/-10%
	L600 CL		
911401562861	WT198C LED40S/840 PSD	(0.38, 0.38)	+/-10%
	L1200		
911401562961	WT198C LED60S/840 PSD	(0.38, 0.38)	+/-10%
	L1500		
911401563061	WT198C LED80S/840 PSD	(0.38, 0.38)	+/-10%
	L1500		
911401825680	WT198C LED27S/840 PSU	(0.38, 0.38)	+/-10%
	L1200		
911401825780	WT198C LED40S/840 PSU	(0.38, 0.38)	+/-10%
	L1200		
911401825880	WT198C LED60S/840 PSU	(0.38, 0.38)	+/-10%
	L1500		
911401825980	WT198C LED80S/840 PSU	(0.38, 0.38)	+/-10%
	L1500		
911401550181	WT198X LED40S/840 WIA	(0.3742, 0.3698) SDCM<3	+/-10%
	L1200		

Over Time Performance (IEC Compliant)

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Order Code	Full Product Name	Driver failure rate at 5000 h	Median useful life L80B50	Median useful life L90B50
911401571391	WT198X LED60S/840 L1 S L1500	-	-	-
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	-	-	-
911401572291	WT198X LED38S/840 L1 S PCO L1200	-	-	-
911401572691	WT198X LED26S/865 L1 S PCO L1200	-	-	-
911401572791	WT198X LED38S/865 L1 S PCO L1200	-	-	-
911401552261	WT198C LED40S/840 PSU L1200 CL	0.01 %	42,000 h	20,000 h
911401552361	WT198C LED60S/840 PSU L1500 CL	0.01 %	42,000 h	20,000 h

Order Code	Full Product Name	Driver failure rate at 5000 h	Median useful life L80B50	Median useful life L90B50
911401552461	WT198C LED19S/840 PSU L600 CL	0.01 %	42,000 h	20,000 h
911401562861	WT198C LED40S/840 PSD L1200	0.01 %	42,000 h	20,000 h
911401562961	WT198C LED60S/840 PSD L1500	0.01 %	42,000 h	20,000 h
911401563061	WT198C LED80S/840 PSD L1500	0.01 %	42,000 h	20,000 h
911401825680	WT198C LED27S/840 PSU L1200	1 %	42,000 h	20,000 h
911401825780	WT198C LED40S/840 PSU L1200	1 %	42,000 h	20,000 h
911401825880	WT198C LED60S/840 PSU L1500	1 %	42,000 h	20,000 h
911401825980	WT198C LED80S/840 PSU L1500	1 %	42,000 h	20,000 h
911401550181	WT198X LED40S/840 WIA L1200	-	-	-

Application Conditions

Order Code	Full Product Name	Maximum dim level	Suitable for random switching
911401571391	WT198X LED60S/840 L1 S L1500	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
911401572691	WT198X LED26S/865 L1 S PCO L1200	20%	Yes
911401572791	WT198X LED38S/865 L1 S PCO L1200	20%	Yes
911401552261	WT198C LED40S/840 PSU L1200 CL	Not applicable	-

Order Code	Full Product Name	Maximum dim level	Suitable for random switching
911401552361	WT198C LED60S/840 PSU L1500 CL	Not applicable	-
911401552461	WT198C LED19S/840 PSU L600 CL	Not applicable	-
911401562861	WT198C LED40S/840 PSD L1200	Not applicable	Not applicable
911401562961	WT198C LED60S/840 PSD L1500	Not applicable	Not applicable
911401563061	WT198C LED80S/840 PSD L1500	Not applicable	Not applicable
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	-
911401550181	WT198X LED40S/840 WIA L1200	-	-

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