



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

GreenPerform Waterproof G3

The CoreLine 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 customisation, 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 +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	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



WT198X L1200



L1500



CoreLine Waterproof WT120C G2 PCU -

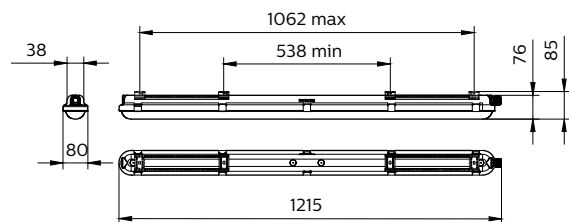
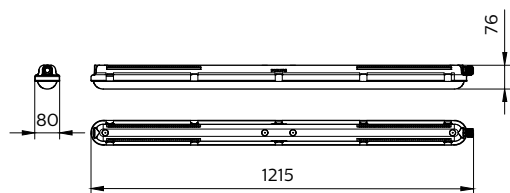
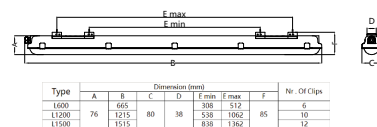
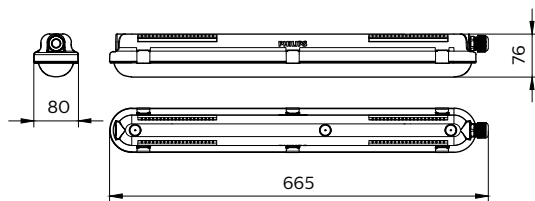
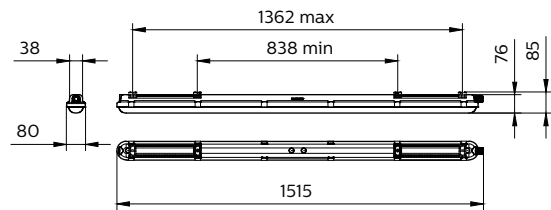
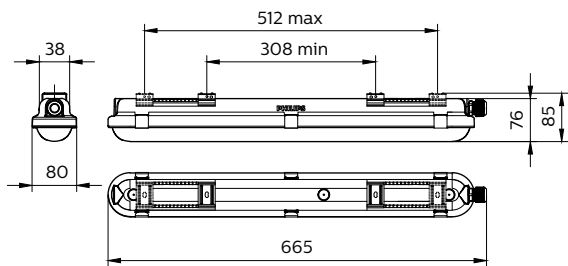
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Versions

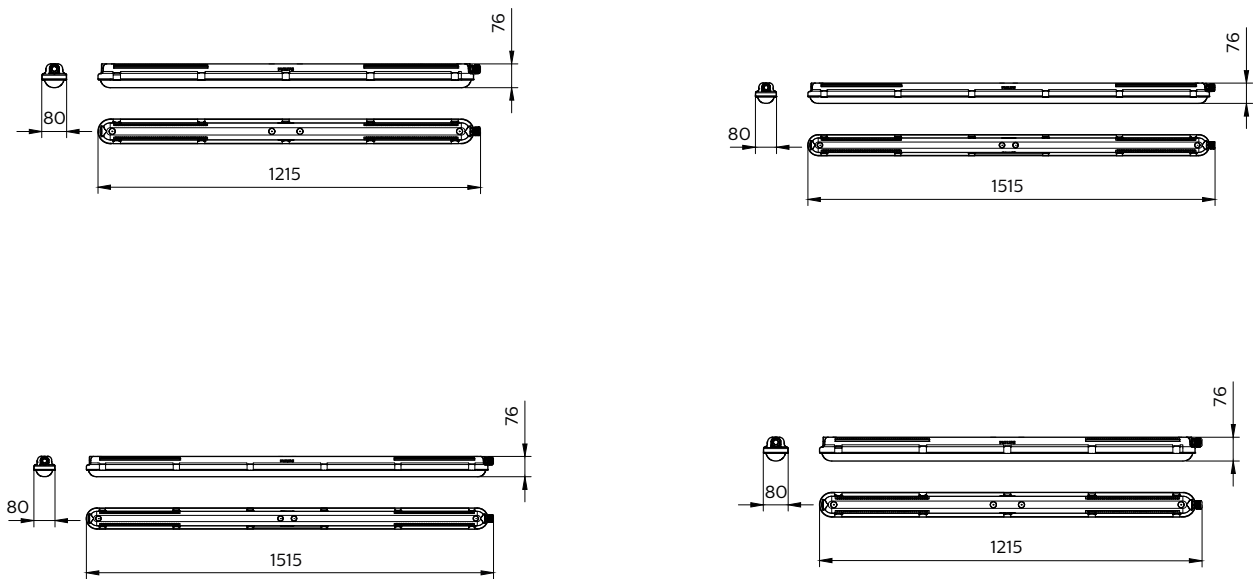


GreenPerform Waterproof G3 L1200

Dimensional drawing



Dimensional drawing



General Information	
Service tag	Yes
Light Technical	
Correlated Color Temperature (Nom)	4000 K
Optic type	-
Operating and Electrical	
Protection class IEC	Safety class I
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	-

General Information

Order Code	Full Product Name	Driver included	Light source		Number of gear units
			Gear	replaceable	
911401571091	WT198X LED20S/840 L1 S L600	Yes	EB	-	1 unit
911401571391	WT198X LED60S/840 L1 S L1500	Yes	EB	-	1 unit
911401571191	WT198X LED27S/840 L1 S L1200	Yes	EB	-	1 unit
911401571291	WT198X LED40S/840 L1 S L1200	Yes	EB	-	1 unit
911401550281	WT198X LED60S/840 WIA L1500	-	-	-	-
911401552261	WT198C LED40S/840 PSU L1200 CL	Yes	-	No	1 unit
911401552361	WT198C LED60S/840 PSU L1500 CL	Yes	-	No	1 unit
911401552461	WT198C LED19S/840 PSU L600 CL	Yes	-	No	1 unit
911401562761	WT198C LED27S/840 PSD L1200	Yes	-	No	1 unit
911401562861	WT198C LED40S/840 PSD L1200	Yes	-	No	1 unit
911401562961	WT198C LED60S/840 PSD L1500	Yes	-	No	1 unit
911401563061	WT198C LED80S/840 PSD L1500	Yes	-	No	1 unit
911401825680	WT198C LED27S/840 PSU L1200	Yes	-	No	1 unit
911401825980	WT198C LED80S/840 PSU L1500	Yes	-	No	1 unit
911401826080	WT198C LED18S/840 PSU PCO L600	Yes	-	No	1 unit
911401826180	WT198C LED25S/840 PSU PCO L1200	Yes	-	No	1 unit
911401826380	WT198C LED37S/840 PSU PCO L1200	Yes	-	No	1 unit
911401826480	WT198C LED57S/840 PSU PCO L1500	Yes	-	No	1 unit

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Order Code	Full Product Name	Driver	Light source		Number of gear units
		included	Gear	replaceable	
911401826580	WT198C LED75S/840 PSU PCO L1500	Yes	-	No	1 unit
911401550181	WT198X LED40S/840 WIA L1200	-	-	-	-

Light Technical (1/2)

Order Code	Full Product Name	Beam angle of light source	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)	Luminous Flux
911401571091	WT198X LED20S/840 L1 S L600	-	80	136.1 lm/W	2,000 lm
911401571391	WT198X LED60S/840 L1 S L1500	-	80	137.6 lm/W	6,000 lm
911401571191	WT198X LED27S/840 L1 S L1200	-	80	143.6 lm/W	2,700 lm
911401571291	WT198X LED40S/840 L1 S L1200	-	80	138.4 lm/W	4,000 lm
911401550281	WT198X LED60S/840 WIA L1500	-	>80	133 lm/W	6,000 lm
911401552261	WT198C LED40S/840 PSU L1200 CL	120 degree(s)	>80	140 lm/W	4,000 lm
911401552361	WT198C LED60S/840 PSU L1500 CL	120 degree(s)	>80	140 lm/W	6,000 lm
911401552461	WT198C LED19S/840 PSU L600 CL	120 degree(s)	>80	127 lm/W	1,900 lm
911401562761	WT198C LED27S/840 PSD L1200	120 degree(s)	>80	132 lm/W	2,700 lm
911401562861	WT198C LED40S/840 PSD L1200	120 degree(s)	>80	140 lm/W	4,000 lm
911401562961	WT198C LED60S/840 PSD L1500	120 degree(s)	>80	140 lm/W	6,000 lm
911401563061	WT198C LED80S/840 PSD L1500	120 degree(s)	>80	140 lm/W	8,000 lm
911401825680	WT198C LED27S/840 PSU L1200	120 degree(s)	>80	132 lm/W	2,700 lm
911401825980	WT198C LED80S/840 PSU L1500	120 degree(s)	>80	140 lm/W	8,000 lm
911401826080	WT198C LED18S/840 PSU PCO L600	120 degree(s)	>80	121 lm/W	1,800 lm
911401826180	WT198C LED25S/840 PSU PCO L1200	120 degree(s)	>80	122 lm/W	2,500 lm
911401826380	WT198C LED37S/840 PSU PCO L1200	120 degree(s)	>80	128 lm/W	3,700 lm
911401826480	WT198C LED57S/840 PSU PCO L1500	120 degree(s)	>80	130 lm/W	5,700 lm
911401826580	WT198C LED75S/840 PSU PCO L1500	120 degree(s)	>80	133 lm/W	7,500 lm
911401550181	WT198X LED40S/840 WIA L1200	-	>80	133 lm/W	4,000 lm

Light Technical (2/2)

Order Code	Full Product Name	Number of light sources
911401571091	WT198X LED20S/840 L1 S L600	1
911401571391	WT198X LED60S/840 L1 S L1500	1
911401571191	WT198X LED27S/840 L1 S L1200	1
911401571291	WT198X LED40S/840 L1 S L1200	1
911401550281	WT198X LED60S/840 WIA L1500	-
911401552261	WT198C LED40S/840 PSU L1200 CL	-
911401552361	WT198C LED60S/840 PSU L1500 CL	-
911401552461	WT198C LED19S/840 PSU L600 CL	-
911401562761	WT198C LED27S/840 PSD L1200	-
911401562861	WT198C LED40S/840 PSD L1200	-
911401562961	WT198C LED60S/840 PSD L1500	-
911401563061	WT198C LED80S/840 PSD L1500	-
911401825680	WT198C LED27S/840 PSU L1200	-
911401825980	WT198C LED80S/840 PSU L1500	-

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Order Code	Full Product Name	Number of light sources
911401826080	WT198C LED18S/840 PSU PCO L600	-
911401826180	WT198C LED25S/840 PSU PCO L1200	-
911401826380	WT198C LED37S/840 PSU PCO L1200	-

Order Code	Full Product Name	Number of light sources
911401826480	WT198C LED57S/840 PSU PCO L1500	-
911401826580	WT198C LED75S/840 PSU PCO L1500	-
911401550181	WT198X LED40S/840 WIA L1200	-

Operating and Electrical

Order Code	Full Product Name	Input Voltage	Line Frequency	Power Consumption	Suitable for random switching
911401571091	WT198X LED20S/840 L1 S L600	220 to 240 V	50 to 60 Hz	14.7 W	Yes
911401571391	WT198X LED60S/840 L1 S L1500	220 to 240 V	50 to 60 Hz	43.6 W	Yes
911401571191	WT198X LED27S/840 L1 S L1200	220 to 240 V	50 to 60 Hz	18.8 W	Yes
911401571291	WT198X LED40S/840 L1 S L1200	220 to 240 V	50 to 60 Hz	28.9 W	Yes
911401550281	WT198X LED60S/840 WIA L1500	220-240 V	50 or 60 Hz	45 W	-
911401552261	WT198C LED40S/840 PSU L1200 CL	220 to 240 V	50 or 60 Hz	28.6 W	-
911401552361	WT198C LED60S/840 PSU L1500 CL	220 to 240 V	50 or 60 Hz	42.7 W	-
911401552461	WT198C LED19S/840 PSU L600 CL	220 to 240 V	50 or 60 Hz	15 W	-
911401562761	WT198C LED27S/840 PSD L1200	220 to 240 V	50 or 60 Hz	20.5 W	Not applicable
911401562861	WT198C LED40S/840 PSD L1200	220 to 240 V	50 or 60 Hz	28.6 W	Not applicable
911401562961	WT198C LED60S/840 PSD L1500	220 to 240 V	50 or 60 Hz	42.7 W	Not applicable

Order Code	Full Product Name	Input Voltage	Line Frequency	Power Consumption	Suitable for random switching
911401563061	WT198C LED80S/840 PSD L1500	220 to 240 V	50 or 60 Hz	57.1 W	Not applicable
911401825680	WT198C LED27S/840 PSU L1200	220 to 240 V	50 or 60 Hz	20.5 W	-
911401825980	WT198C LED80S/840 PSU L1500	220 to 240 V	50 or 60 Hz	57 W	-
911401826080	WT198C LED18S/840 PSU PCO L600	220 to 240 V	50 or 60 Hz	15 W	-
911401826180	WT198C LED25S/840 PSU PCO L1200	220 to 240 V	50 or 60 Hz	20.5 W	-
911401826380	WT198C LED37S/840 PSU PCO L1200	220 to 240 V	50 or 60 Hz	28.6 W	-
911401826480	WT198C LED57S/840 PSU PCO L1500	220 to 240 V	50 or 60 Hz	42.7 W	-
911401826580	WT198C LED75S/840 PSU PCO L1500	220 to 240 V	50 or 60 Hz	57 W	-
911401550181	WT198X LED40S/840 WIA L1200	220-240 V	50 or 60 Hz	30 W	-

Controls and Dimming

Order Code	Full Product Name	Dimmable	Maximum dim level
911401571091	WT198X LED20S/840 L1 S L600	Step Dim	20%
911401571391	WT198X LED60S/840 L1 S L1500	Step Dim	20%

Order Code	Full Product Name	Dimmable	Maximum dim level
911401571191	WT198X LED27S/840 L1 S L1200	Wireless Dim	20%
911401571291	WT198X LED40S/840 L1 S L1200	Wireless Dim	20%

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Order Code	Full Product Name	Dimmable	Maximum dim level
911401550281	WT198X LED60S/840 WIA L1500	Yes	-
911401552261	WT198C LED40S/840 PSU L1200 CL	No	Not applicable
911401552361	WT198C LED60S/840 PSU L1500 CL	No	Not applicable
911401552461	WT198C LED19S/840 PSU L600 CL	No	Not applicable
911401562761	WT198C LED27S/840 PSD L1200	Yes	Not applicable
911401562861	WT198C LED40S/840 PSD L1200	Yes	Not applicable
911401562961	WT198C LED60S/840 PSD L1500	Yes	Not applicable
911401563061	WT198C LED80S/840 PSD L1500	Yes	Not applicable
911401825680	WT198C LED27S/840 PSU L1200	No	Not applicable
911401825980	WT198C LED80S/840 PSU L1500	No	Not applicable

Order Code	Full Product Name	Dimmable	Maximum dim level
911401826080	WT198C LED18S/840 PSU PCO L600	No	Not applicable
911401826180	WT198C LED25S/840 PSU PCO L1200	No	Not applicable
911401826380	WT198C LED37S/840 PSU PCO L1200	No	Not applicable
911401826480	WT198C LED57S/840 PSU PCO L1500	No	Not applicable
911401826580	WT198C LED75S/840 PSU PCO L1500	No	Not applicable
911401550181	WT198X LED40S/840 WIA L1200	Yes	-

Mechanical and Housing

Order Code	Full Product Name	Optical cover type
911401571091	WT198X LED20S/840 L1 S L600	Polycarbonate bowl/cover
911401571391	WT198X LED60S/840 L1 S L1500	Polycarbonate bowl/cover
911401571191	WT198X LED27S/840 L1 S L1200	Polycarbonate bowl/cover
911401571291	WT198X LED40S/840 L1 S L1200	Polycarbonate bowl/cover
911401550281	WT198X LED60S/840 WIA L1500	Acrylic bowl/cover frosted
911401552261	WT198C LED40S/840 PSU L1200 CL	-
911401552361	WT198C LED60S/840 PSU L1500 CL	-
911401552461	WT198C LED19S/840 PSU L600 CL	-
911401562761	WT198C LED27S/840 PSD L1200	-
911401562861	WT198C LED40S/840 PSD L1200	-

Order Code	Full Product Name	Optical cover type
911401562961	WT198C LED60S/840 PSD L1500	-
911401563061	WT198C LED80S/840 PSD L1500	-
911401825680	WT198C LED27S/840 PSU L1200	-
911401825980	WT198C LED80S/840 PSU L1500	-
911401826080	WT198C LED18S/840 PSU PCO L600	-
911401826180	WT198C LED25S/840 PSU PCO L1200	-
911401826380	WT198C LED37S/840 PSU PCO L1200	-
911401826480	WT198C LED57S/840 PSU PCO L1500	-
911401826580	WT198C LED75S/840 PSU PCO L1500	-
911401550181	WT198X LED40S/840 WIA L1200	Acrylic bowl/cover frosted

Approval and Application

Order Code	Full Product Name	Flammability mark	Glow-wire test
911401571091	WT198X LED20S/840 L1 S L600	-	Temperature 650 °C, duration 30 s
911401571391	WT198X LED60S/840 L1 S L1500	-	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
911401550281	WT198X LED60S/840 WIA L1500	For mounting on normally flammable surfaces	-
911401552261	WT198C LED40S/840 PSU L1200 CL	-	Temperature 850 °C, duration 30 s
911401552361	WT198C LED60S/840 PSU L1500 CL	-	Temperature 850 °C, duration 30 s
911401552461	WT198C LED19S/840 PSU L600 CL	-	Temperature 850 °C, duration 30 s
911401562761	WT198C LED27S/840 PSD L1200	-	Temperature 850 °C, duration 30 s
911401562861	WT198C LED40S/840 PSD L1200	-	Temperature 850 °C, duration 30 s

Order Code	Full Product Name	Flammability mark	Glow-wire test
911401562961	WT198C LED60S/840 PSD L1500	-	Temperature 850 °C, duration 30 s
911401563061	WT198C LED80S/840 PSD L1500	-	Temperature 850 °C, duration 30 s
911401825680	WT198C LED27S/840 PSU L1200	-	Temperature 850 °C, duration 30 s
911401825980	WT198C LED80S/840 PSU L1500	-	Temperature 850 °C, duration 30 s
911401826080	WT198C LED18S/840 PSU PCO L600	-	Temperature 850 °C, duration 30 s
911401826180	WT198C LED25S/840 PSU PCO L1200	-	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
911401826580	WT198C LED75S/840 PSU PCO L1500	-	Temperature 850 °C, duration 30 s
911401550181	WT198X LED40S/840 WIA L1200	For mounting on normally	-

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Order Code	Full Product Name	Flammability	Glow-wire test
		mark	
		flammable	
		surfaces	

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity	Luminous flux tolerance
911401571091	WT198X LED20S/840 L1 S L600	(0.38, 0.38) SDCM≤3	-10% / +10%
911401571391	WT198X LED60S/840 L1 S L1500	(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%
911401550281	WT198X LED60S/840 WIA L1500	(0.3742,0.3698) SDCM<3	+/-10%
911401552261	WT198C LED40S/840 PSU L1200 CL	(0.38,0.38)	+/-10%
911401552361	WT198C LED60S/840 PSU L1500 CL	(0.38,0.38)	+/-10%
911401552461	WT198C LED19S/840 PSU L600 CL	(0.38,0.38)	+/-10%
911401562761	WT198C LED27S/840 PSD L1200	(0.38,0.38)	+/-10%
911401562861	WT198C LED40S/840 PSD L1200	(0.38,0.38)	+/-10%
911401562961	WT198C LED60S/840 PSD L1500	(0.38,0.38)	+/-10%

Order Code	Full Product Name	Initial chromaticity	Luminous flux tolerance
911401563061	WT198C LED80S/840 PSD L1500	(0.38,0.38)	+/-10%
911401825680	WT198C LED27S/840 PSU L1200	(0.38,0.38)	+/-10%
911401825980	WT198C LED80S/840 PSU L1500	(0.38,0.38)	+/-10%
911401826080	WT198C LED18S/840 PSU PCO L600	(0.38,0.38)	+/-10%
911401826180	WT198C LED25S/840 PSU PCO L1200	(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%
911401826580	WT198C LED75S/840 PSU PCO L1500	(0.38,0.38)	+/-10%
911401550181	WT198X LED40S/840 WIA L1200	(0.3742,0.3698) SDCM<3	+/-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
911401571091	WT198X LED20S/840 L1 S L600	-	-	-
911401571391	WT198X LED60S/840 L1 S L1500	-	-	-
911401571191	WT198X LED27S/840 L1 S L1200	-	-	-
911401571291	WT198X LED40S/840 L1 S L1200	-	-	-
911401550281	WT198X LED60S/840 WIA L1500	-	-	-
911401552261	WT198C LED40S/840 PSU L1200 CL	0.01 %	42,000 hour(s)	20,000 hour(s)
911401552361	WT198C LED60S/840 PSU L1500 CL	0.01 %	42,000 hour(s)	20,000 hour(s)
911401552461	WT198C LED19S/840 PSU L600 CL	0.01 %	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
911401562761	WT198C LED27S/840 PSD L1200	0.01 %	42,000 hour(s)	20,000 hour(s)
911401562861	WT198C LED40S/840 PSD L1200	0.01 %	42,000 hour(s)	20,000 hour(s)
911401562961	WT198C LED60S/840 PSD L1500	0.01 %	42,000 hour(s)	20,000 hour(s)
911401563061	WT198C LED80S/840 PSD L1500	0.01 %	42,000 hour(s)	20,000 hour(s)
911401825680	WT198C LED27S/840 PSU L1200	1 %	42,000 hour(s)	20,000 hour(s)
911401825980	WT198C LED80S/840 PSU L1500	1 %	42,000 hour(s)	20,000 hour(s)
911401826080	WT198C LED18S/840 PSU PCO L600	1 %	42,000 hour(s)	20,000 hour(s)
911401826180	WT198C LED25S/840 PSU PCO L1200	1 %	42,000 hour(s)	20,000 hour(s)

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

Order Code	Full Product Name	Driver failure rate at 5000 h	Median useful life L80B50	Median useful life L90B50
911401826580	WT198C LED75S/840 PSU	1 %	42,000	20,000
	PCO L1500		hour(s)	hour(s)
911401550181	WT198X LED40S/840 WIA	-	-	-
	L1200			

