

**PHILIPS**

GreenPerform  
Waterproof Batten

WT198C, WT198X / WT120C

# Philips GreenPerform Waterproof Batten

Series WT198C / WT120C

High-performance, versatile and connected  
lighting solutions for professionals

# Philips GreenPerform Waterproof Batten

Energy efficient, high performance,  
connected.

The GreenPerform Waterproof batten is a high quality, easy to use luminaire that is ideal for new installations or retrofit older applications that used traditional fluorescent lamps ranging from 18W up to 58W.

Offering a slim and stylish design the GreenPerform WP Batten provides a wide-beam\* light distribution for straight-forward and effective lighting. In addition to DALI and Interact Ready, luminaires with Motion Detection Units and emergency versions are also available in the range.

\*PCO optic also available in WT198



## Features

-  Uniform, wide-beam light distribution – supports easy and attractive lighting design.
-  Energy efficient and long lifetime increases ROI – up to 140lm/W and 50k hrs L75 lifetime.
-  Many versions available: L600/1200/1500, up to 8000lm – emergency, DALI and Interact Ready versions.
-  Longer sliders, faster lock opening and toolless electrical connections - Innovative electrical and mechanical design supports easy installation.
-  Integrated Motion Detection Units (MDU) available – microwave sensors enable luminaires to switch on / off pending people or cars moving.

IP65  
IK08

50,000  
hours  
Rated Life

5  
year  
warranty

Superior  
optics

Integrated  
motion  
detection

interact  
ready.

## Applications



Under canopy lighting



Warehousing and parking garages

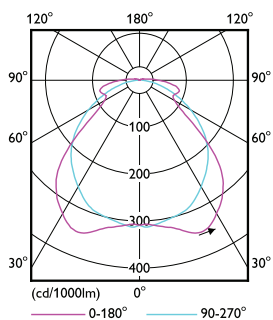


General industrial applications

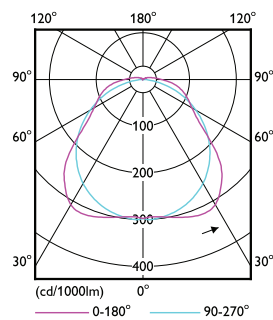
# Technical specifications

<b>Model</b>	GreenPerform Waterproof Batten – WT198C / WT120C				
<b>Type</b>	LED19S/840 xxx L600	LED27S/840 xxx L1200	LED40S/840 xxx L1200	LED60S/840 xxx L1500	LED80S/840 xxx L1500
<b>Absolute lumens (lm*)</b>	1900lm (WB) / 1800lm (PCO)	2700lm (WB) / 2500lm (PCO)	4000 (WB) / 3700 (PCO)	6000 (WB) / 5700 (PCO)	8000 (WB) / 7500 (PCO)
<b>System efficacy (lm/W)</b>	119 - 140lm/W				
<b>CCT (K)</b>	4000 (Standard) / 6500 (ETO*)				
<b>CRI</b>	> 80				
<b>SDCM</b>	3				
<b>Beam angle</b>	Wide Beam				
<b>IP / IK rating</b>	IP65 / IK08				
<b>Operating temperature</b>	-25°C ~ +40°C (PSU)				
<b>Lifetime</b>	50,000hrs (L70B50 @ Ta 25°C)				
<b>Input voltage</b>	220 to 240 V				
<b>Power factor</b>	> 0.9				
<b>Electrical class</b>	Class I				
<b>Driver</b>	DALI (PSD), Interact Ready				
<b>Mounting type</b>	Surface mount or suspension				
<b>Housing colour</b>	Grey				
<b>Material</b>	Polycarbonate				

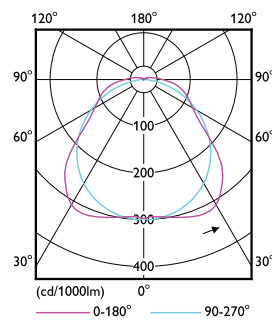
## Polar intensity diagrams\*



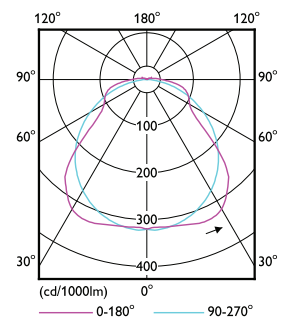
WT198C LED19S xxx L600



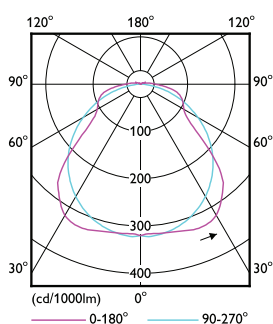
WT120C LED27S xxx L1200



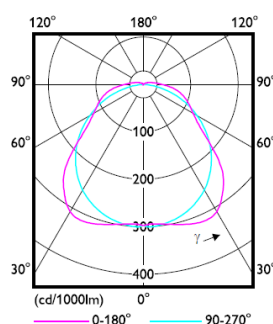
WT120C LED40S xxx L1200



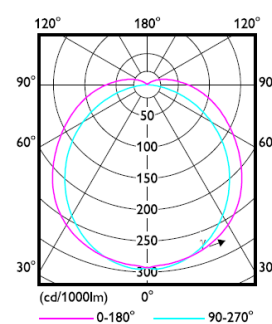
WT120C LED60S xxx L1500



WT198C LED80S xxx L1500



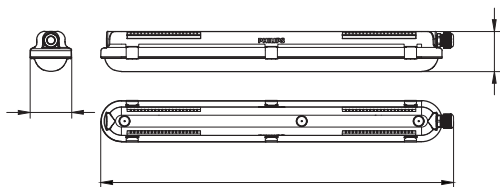
WT198X LEDxxS L1 S L1200



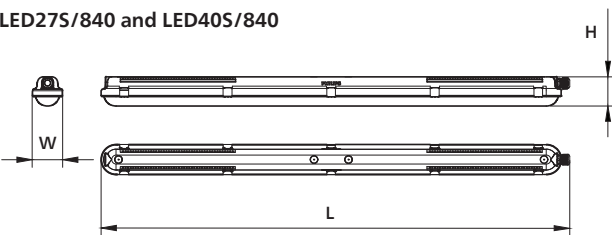
WT198X LEDxxS L1 S PCO L1200

\*WB optic (PCO optic also available).

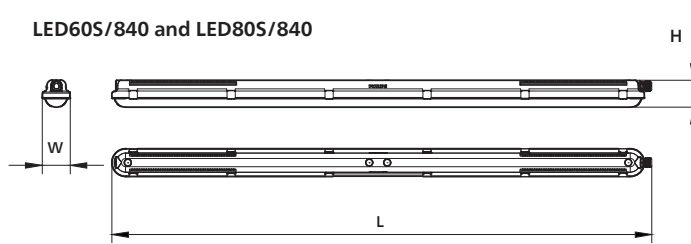
# Dimensions



LED27S/840 and LED40S/840



LED60S/840 and LED80S/840



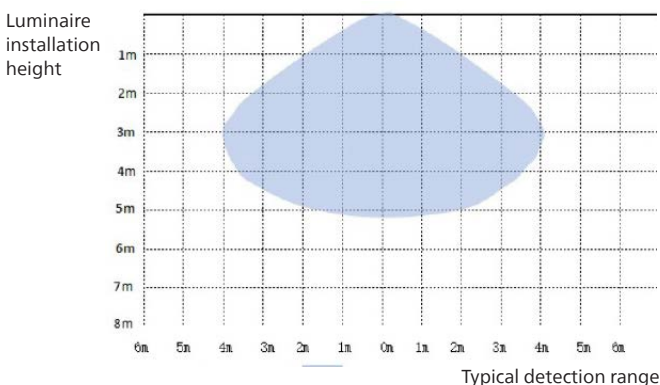
Type	LED19S/840 xxx L600	LED27S/840 xxx L1200	LED40S/840 xxx L1200	LED60S/840 xxx L1500	LED80S/840 xxx L1500
Length (mm)	665	1,215	1,215	1,515	1,515
Width (mm)	80	80	80	80	80
Height (mm)	76	76	76	76	76
Weight (Kg)	0.8	1.4	1.4	1.7	1.7

# Specifications – Microwave sensor

Technical data	Specification
Sensor type	Microwave
Mounting height	2.5 – 4m
Detection range (radius) @3m installation height*	=>4m@0.5-1m/s people and car (~ 2-4 km/h) =>2m@2m/s car (~ 7 km/h) =>1.5m@3m/s car (~ 11 km/h)
Sensor hold on time	1min
Control function	Automatic light step dimming: 20%/100% (Sensor dims up to 100% lumen output when a presence is detected and, dims down to 20% lumen output when no movement is detected)
Room temperature for sensor performance	-20°C to +45°C

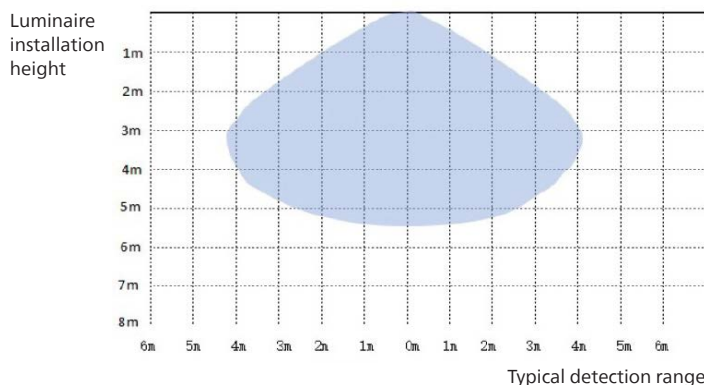
\*The sensor coverage is defined under the typical testing environment.

# Sensor coverage patterns



Testing condition: people movement speed 0.5-1m/s

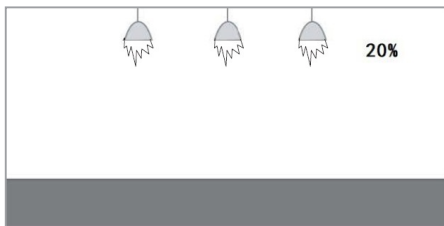
Typical detecting range: ■



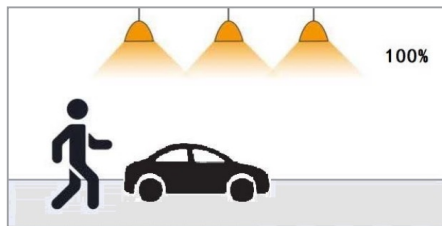
Testing condition: car movement speed 4km/hr

Typical detecting range: ■

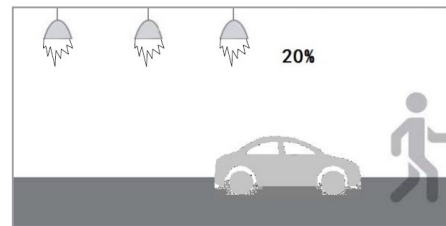
# Sensor function



1. If there is no movement detected, the light remains at 20% of full lumen output.



2. When motion is detected, the light dims up to 100% lumen output automatically.



3. After hold-on time (1min), without any movement detection, the light dims down to 20% lumen output automatically.

## Order placement information

12NC – order code	Technical Description	Specification
911401562761	WT198C LED27S/840 PSD L1200	2700lm, CRI80, DALI, Wide Beam Optic, 1,200mm
911401562861	WT198C LED40S/840 PSD L1200	4000lm, CRI80, DALI, Wide Beam Optic, 1,200mm
911401562961	WT198C LED60S/840 PSD L1500	6000lm, CRI80, DALI, Wide Beam Optic, 1,500mm
911401563061	WT198C LED80S/840 PSD L1500	8000lm, CRI80, DALI, Wide Beam Optic, 1,500mm
911401825980	WT198C LED80S/840 PSU L1500	8000lm, CRI80, fixed output, Wide Beam Optic, 1,500mm
911401825880	WT198C LED60S/840 PSU L1500	6000lm, CRI80, fixed output, Wide Beam Optic, 1,500mm
911401825780	WT198C LED40S/840 PSU L1200	4000lm, CRI80, fixed output, Wide Beam Optic, 1,200mm
911401825680	WT198C LED27S/840 PSU L1200	2700lm, CRI80, fixed output, Wide Beam Optic, 1,200mm
911401825580	WT198C LED19S/840 PSU L600	1900lm, CRI80, fixed output, Wide Beam Optic, 600mm
910505100054	WT120C G2 LED40S/840 PSU ELB3 L1200	4000lm, CRI80, fixed output, emergency 3h, Wide Beam Optic, 1,200mm
910505100073	WT120C G2 LED60S/840 PSU ELB3 L1500	6000lm, CRI80, fixed output, emergency 3h, Wide Beam Optic, 1,500mm
911401550281	WT198X LED60S/840 WIA L1500	GreenPerform WP Batten, 6000lm, CRI80, Interact Ready, no sensor, Wide Beam Optic, 1500mm
911401550381	WT198X LED82S/840 WIA L1500	GreenPerform WP Batten, 8200lm, CRI80, Interact Ready, no sensor, Wide Beam Optic, 1,500mm
911401550181	WT198X LED40S/840 WIA L1200	GreenPerform WP Batten, 4000lm, CRI80, Interact Ready, no sensor, Wide Beam Optic, 1,200mm
911401550081	WT198X LED28S/840 WIA L1200	GreenPerform WP Batten, 2800lm, CRI80, Interact Ready, no sensor, Wide Beam Optic, 1,200mm
911401549981	WT198X LED20S/840 WIA L600	GreenPerform WP Batten, 2000lm, CRI80, Interact Ready, no sensor, Wide Beam Optic, 600mm
911401571191	WT198X LED27S/840 L1 S L1200	GreenPerform WP Batten, 2700lm, CRI80, 4000K, IP65, IK08, L1 standalone control, m/w sensor, Wide Beam, 1,200mm
911401571291	WT198X LED40S/840 L1 S L1200	GreenPerform WP Batten, 4000lm, CRI80, 4000K, IP65, IK08, L1 standalone control, m/w sensor, Wide Beam, 1,200mm
911401572191	WT198X LED26S/840 L1 S PCO L1200	GreenPerform WP Batten, 2600lm, CRI80, 4000K, IP65, IK08, L1 standalone control, m/w sensor, Opal Optic, 1,200mm
911401572291	WT198X LED38S/840 L1 S PCO L1200	GreenPerform WP Batten, 3800lm, CRI80, 4000K, IP65, IK08, L1 standalone control, m/w sensor, Opal Optic, 1,200mm
911401571691	WT198X LED27S/865 L1 S L1200	GreenPerform WP Batten, 2700lm, CRI80, 6500K, IP65, IK08, L1 standalone control, m/w sensor, Wide Beam, 1,200mm
911401571791	WT198X LED40S/865 L1 S L1200	GreenPerform WP Batten, 4000lm, CRI80, 6500K, IP65, IK08, L1 standalone control, m/w sensor, Wide Beam, 1,200mm
911401572691	WT198X LED26S/865 L1 S PCO L1200	GreenPerform WP Batten, 2600lm, CRI80, 6500K, IP65, IK08, L1 standalone control, m/w sensor, Opal Optic, 1,200mm
911401572791	WT198X LED38S/865 L1 S PCO L1200	GreenPerform WP Batten, 3800lm, CRI80, 6500K, IP65, IK08, L1 standalone control, m/w sensor, Opal Optic, 1,200mm



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