



# Ledinaire Waterproof – Simply great LED

## Ledinaire Waterproof

The Ledinaire range contains a selection of popular off-the-shelf LED luminaires that comes with the high Philips quality levels at a competitive price. Reliable, energy efficient and affordable – just what you need.

### Benefits

- Philips quality and reliability
- Energy saving
- Diffuse comfortable light

### Features

- Robust (IK08) and waterproof (IP65) luminaire
- Multiple lengths and light levels available
- Mounting bracket can be positioned over full length of luminaire

### Application

- Covered car parks
- Industrial halls (up to 4 m in height)
- (Cold) storage rooms

### Specifications

Type	WT060C
Light source	Non-replaceable and non-serviceable LED luminaire
Power	LED18S: 19 W
	LED36S: 36 W
	LED56S: 56 W
Beam angle	Lambertian beam

Luminous flux	LED18S: 1800 lm
	LED36S: 3600 lm
	LED56S: 5600 lm
Correlated Color	4000 K (Neutral white)
Temperature	
Color Rendering Index	> 80

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<b>Lumen maintenance at median useful life*</b>	L65 50000 h
<b>Control gear failure rate at median useful life</b>	7.5% 50000 h
<b>Performance Ambient Temperature Tq</b>	+25 °C
<b>Operating temperature range</b>	-20 to +30 °C
<b>Driver</b>	Built-in, none-replaceable and non-serviceable led driver
<b>Mains voltage</b>	220-240 V / 50-60 Hz

<b>Dimming</b>	Not dimmable
<b>Material</b>	Housing: polycarbonate, co-extrusion End caps: polycarbonate
<b>Color</b>	Light gray (RAL7035)
<b>Optical cover</b>	Polycarbonate diffuser
<b>Connection</b>	Screw connection with cable gland
<b>Maintenance</b>	No internal cleaning required Light source and driver are non-serviceable
<b>Installation</b>	Fixation by mounting brackets Mounting brackets can be positioned over full length of the luminaire Through-wiring possible; dedicated 'TWI' versions available

## Versions



840 neutral white - Power supply unit



840 neutral white - Power supply unit



840 neutral white - Power supply unit



840 neutral white - Power supply unit



840 neutral white - Power supply unit



840 neutral white - Power supply unit

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## Versions

840 neutral white - Power supply unit



# Ledinaire Waterproof

## Product details



Ledinaire Waterproof WT055C 2  
L1200 detail on



Ledinaire Waterproof WT055C 2  
L1200 exploded view



Ledinaire Waterproof WT055C 2  
L1200 detached

### Approval and Application

Mech. impact protection code	IK08
Ingress protection code	IP65

### Controls and Dimming

Dimmable	No
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### General Information

CE mark	CE mark
Protection class IEC	Safety class II
Driver included	Yes
ENEC mark	-
Light source replaceable	No

### Initial Performance (IEC Compliant)

Init. Corr. Color Temperature	4000 K
Luminous flux tolerance	+/-10%

### Application Conditions

Order Code	Full Product Name	Ambient temperature range	Maximum dim level	Suitable for random switching
911401802680	WT050C LED43S/840 PSU L1500	-20 to +45 °C	Not applicable	Not applicable
912401483225	WT060C LED18S/840 PSU L600	-20 to +40 °C	Not applicable	No
912401483226	WT060C LED18S/840 PSU TW1 L600	-20 to +40 °C	Not applicable	No
912401483227	WT060C LED36S/840 PSU L1200	-20 to +40 °C	Not applicable	No
912401483228	WT060C LED36S/840 PSU TW1 L1200	-20 to +40 °C	Not applicable	No
912401483229	WT060C LED56S/840 PSU L1500	-20 to +40 °C	Not applicable	No
912401483230	WT060C LED56S/840 PSU TW1 L1500	-20 to +40 °C	Not applicable	No
912401483248	WT055C LED18S/840 PSU L600	-20 to +40 °C	-	No
912401483249	WT055C LED18S/840 PSU TW1 L600	-20 to +40 °C	-	No
912401483250	WT055C LED36S/840 PSU L1200	-20 to +40 °C	-	No
912401483251	WT055C LED36S/840 PSU TW1 L1200	-20 to +40 °C	-	No

# Ledinaire Waterproof

Order Code	Full Product Name	Ambient temperature range	Maximum dim level	Suitable for random switching
912401483252	WT055C LED56S/840 PSU L1500	-20 to +40 °C	-	No
912401483253	WT055C LED56S/840 PSU TW1 L1500	-20 to +40 °C	-	No

## Operating and Electrical

Order Code	Full Product Name	Input Voltage
911401802680	WT050C LED43S/840 PSU L1500	220-240 V
912401483225	WT060C LED18S/840 PSU L600	220-240 V
912401483226	WT060C LED18S/840 PSU TW1 L600	220-240 V
912401483227	WT060C LED36S/840 PSU L1200	220-240 V
912401483228	WT060C LED36S/840 PSU TW1 L1200	220-240 V
912401483229	WT060C LED56S/840 PSU L1500	220-240 V
912401483230	WT060C LED56S/840 PSU TW1 L1500	220-240 V

Order Code	Full Product Name	Input Voltage
912401483248	WT055C LED18S/840 PSU L600	220 to 240 V
912401483249	WT055C LED18S/840 PSU TW1 L600	220 to 240 V
912401483250	WT055C LED36S/840 PSU L1200	220 to 240 V
912401483251	WT055C LED36S/840 PSU TW1 L1200	220 to 240 V
912401483252	WT055C LED56S/840 PSU L1500	220 to 240 V
912401483253	WT055C LED56S/840 PSU TW1 L1500	220 to 240 V

## General Information (1/2)

Order Code	Full Product Name	Beam angle of light source	Flammability mark	Glow-wire test	Number of gear units
911401802680	WT050C LED43S/840 PSU L1500	140 °	-	Temperature 650 °C, duration 30 s	2 units
912401483225	WT060C LED18S/840 PSU L600	- °	For mounting on easy flammable surfaces	Temperature 650 °C, duration 5 s	-
912401483226	WT060C LED18S/840 PSU TW1 L600	- °	For mounting on easy flammable surfaces	Temperature 650 °C, duration 5 s	-
912401483227	WT060C LED36S/840 PSU L1200	- °	For mounting on easy flammable surfaces	Temperature 650 °C, duration 5 s	-
912401483228	WT060C LED36S/840 PSU TW1 L1200	- °	For mounting on easy flammable surfaces	Temperature 650 °C, duration 5 s	-
912401483229	WT060C LED56S/840 PSU L1500	- °	For mounting on easy flammable surfaces	Temperature 650 °C, duration 5 s	-
912401483230	WT060C LED56S/840 PSU TW1 L1500	- °	For mounting on easy flammable surfaces	Temperature 650 °C, duration 5 s	-

Order Code	Full Product Name	Beam angle of light source	Flammability mark	Glow-wire test	Number of gear units
912401483248	WT055C LED18S/840 PSU L600	- °	For mounting on easy flammable surfaces	Temperature 650 °C, duration 5 s	-
912401483249	WT055C LED18S/840 PSU TW1 L600	- °	For mounting on easy flammable surfaces	Temperature 650 °C, duration 5 s	-
912401483250	WT055C LED36S/840 PSU L1200	- °	For mounting on easy flammable surfaces	Temperature 650 °C, duration 5 s	-
912401483251	WT055C LED36S/840 PSU TW1 L1200	- °	For mounting on easy flammable surfaces	Temperature 650 °C, duration 5 s	-
912401483252	WT055C LED56S/840 PSU L1500	- °	For mounting on easy flammable surfaces	Temperature 650 °C, duration 5 s	-
912401483253	WT055C LED56S/840 PSU TW1 L1500	- °	For mounting on easy flammable surfaces	Temperature 650 °C, duration 5 s	-

## General Information (2/2)

## Ledinaire Waterproof

Order Code	Full Product Name	Optic type
911401802680	WT050C LED43S/840 PSU L1500	Beam angle 120°
912401483225	WT060C LED18S/840 PSU L600	-
912401483226	WT060C LED18S/840 PSU TW1 L600	-
912401483227	WT060C LED36S/840 PSU L1200	-
912401483228	WT060C LED36S/840 PSU TW1 L1200	-
912401483229	WT060C LED56S/840 PSU L1500	-
912401483230	WT060C LED56S/840 PSU TW1 L1500	-

Order Code	Full Product Name	Optic type
912401483248	WT055C LED18S/840 PSU L600	-
912401483249	WT055C LED18S/840 PSU TW1 L600	-
912401483250	WT055C LED36S/840 PSU L1200	-
912401483251	WT055C LED36S/840 PSU TW1 L1200	-
912401483252	WT055C LED56S/840 PSU L1500	-
912401483253	WT055C LED56S/840 PSU TW1 L1500	-

### Initial Performance (IEC Compliant) (1/2)

Order Code	Full Product Name	Initial chromaticity	Init. Color Rendering Index	Initial LED luminaire efficacy	Initial luminous flux
911401802680	WT050C LED43S/840 PSU L1500	0.3874, 0.3830	>80	90 lm/W	4300 lm
912401483225	WT060C LED18S/840 PSU L600	(0.3896, 0.3888) SDCM ≤5	≥80	110 lm/W	1800 lm
912401483226	WT060C LED18S/840 PSU TW1 L600	(0.3896, 0.3888) SDCM ≤5	≥80	110 lm/W	1800 lm
912401483227	WT060C LED36S/840 PSU L1200	(0.3896, 0.3888) SDCM ≤5	≥80	110 lm/W	3600 lm
912401483228	WT060C LED36S/840 PSU TW1 L1200	(0.3896, 0.3888) SDCM ≤5	≥80	110 lm/W	3600 lm
912401483229	WT060C LED56S/840 PSU L1500	(0.3896, 0.3888) SDCM ≤5	≥80	110 lm/W	5600 lm
912401483230	WT060C LED56S/840 PSU TW1 L1500	(0.3896, 0.3888) SDCM ≤5	≥80	110 lm/W	5600 lm

Order Code	Full Product Name	Initial chromaticity	Init. Color Rendering Index	Initial LED luminaire efficacy	Initial luminous flux
912401483248	WT055C LED18S/840 PSU L600	(0.3896, 0.3888) SDCM ≤5	≥80	110 lm/W	1800 lm
912401483249	WT055C LED18S/840 PSU TW1 L600	(0.3896, 0.3888) SDCM ≤5	≥80	110 lm/W	1800 lm
912401483250	WT055C LED36S/840 PSU L1200	(0.3896, 0.3888) SDCM ≤5	≥80	110 lm/W	3600 lm
912401483251	WT055C LED36S/840 PSU TW1 L1200	(0.3896, 0.3888) SDCM ≤5	≥80	110 lm/W	3600 lm
912401483252	WT055C LED56S/840 PSU L1500	(0.3896, 0.3888) SDCM ≤5	≥80	110 lm/W	5600 lm
912401483253	WT055C LED56S/840 PSU TW1 L1500	(0.3896, 0.3888) SDCM ≤5	≥80	110 lm/W	5600 lm

### Initial Performance (IEC Compliant) (2/2)

Order Code	Full Product Name	Initial input power
911401802680	WT050C LED43S/840 PSU L1500	45 W
912401483225	WT060C LED18S/840 PSU L600	16.5 W
912401483226	WT060C LED18S/840 PSU TW1 L600	16.5 W
912401483227	WT060C LED36S/840 PSU L1200	33 W
912401483228	WT060C LED36S/840 PSU TW1 L1200	33 W
912401483229	WT060C LED56S/840 PSU L1500	51 W
912401483230	WT060C LED56S/840 PSU TW1 L1500	51 W

Order Code	Full Product Name	Initial input power
912401483248	WT055C LED18S/840 PSU L600	16.5 W
912401483249	WT055C LED18S/840 PSU TW1 L600	16.5 W
912401483250	WT055C LED36S/840 PSU L1200	33 W
912401483251	WT055C LED36S/840 PSU TW1 L1200	33 W
912401483252	WT055C LED56S/840 PSU L1500	51 W
912401483253	WT055C LED56S/840 PSU TW1 L1500	51 W

### Mechanical and Housing

## Ledinaire Waterproof

Order Code	Full Product Name	Color
911401802680	WT050C LED43S/840 PSU L1500	Gray and white
912401483225	WT060C LED18S/840 PSU L600	Gray
912401483226	WT060C LED18S/840 PSU TW1 L600	Gray
912401483227	WT060C LED36S/840 PSU L1200	Gray
912401483228	WT060C LED36S/840 PSU TW1 L1200	Gray
912401483229	WT060C LED56S/840 PSU L1500	Gray
912401483230	WT060C LED56S/840 PSU TW1 L1500	Gray

Order Code	Full Product Name	Color
912401483248	WT055C LED18S/840 PSU L600	Gray
912401483249	WT055C LED18S/840 PSU TW1 L600	Gray
912401483250	WT055C LED36S/840 PSU L1200	Gray
912401483251	WT055C LED36S/840 PSU TW1 L1200	Gray
912401483252	WT055C LED56S/840 PSU L1500	Gray
912401483253	WT055C LED56S/840 PSU TW1 L1500	Gray

### Over Time Performance (IEC Compliant)

Order Code	Full Product Name	Median useful life L80B50	Median useful life L90B50
911401802680	WT050C LED43S/840 PSU L1500	12600 h	6000 h
912401483225	WT060C LED18S/840 PSU L600	-	-
912401483226	WT060C LED18S/840 PSU TW1 L600	-	-
912401483227	WT060C LED36S/840 PSU L1200	-	-
912401483228	WT060C LED36S/840 PSU TW1 L1200	-	-
912401483229	WT060C LED56S/840 PSU L1500	-	-
912401483230	WT060C LED56S/840 PSU TW1 L1500	-	-

Order Code	Full Product Name	Median useful life L80B50	Median useful life L90B50
912401483248	WT055C LED18S/840 PSU L600	-	-
912401483249	WT055C LED18S/840 PSU TW1 L600	-	-
912401483250	WT055C LED36S/840 PSU L1200	-	-
912401483251	WT055C LED36S/840 PSU TW1 L1200	-	-
912401483252	WT055C LED56S/840 PSU L1500	-	-
912401483253	WT055C LED56S/840 PSU TW1 L1500	-	-

