



Energy-efficient lighting for industrial and commercial applications

GreenPerform Trunking

With Philips GreenPerform Trunking, industry and supermarket owners have an innovative LED solution that intelligently combines high-performance lighting features with maximised energy savings. This solution is designed to boost productivity and enhance the shopping experience without compromising performance and energy-efficiency. Suitable for a wide range of applications, GreenPerform Trunking is safe, reliable and versatile, the perfect direct replacement for conventional fluorescent trunking.

Benefits

- A system efficacy of 108 lm/w, providing up to 50% energy saving when replacing 2 x 58 w fluorescent trunking. Designed for 70% lumen maintenance over 50,000 hours, ensuring reliable performance over the product lifetime.
- Specially designed plastic caps improve uniformity along the length leading to a more uniform lighting distribution.
- 3 different beam angles available (Double asymmetric/Wide-beam/Opal) enabling you to choose the most optimum solution for different applications.
- An integrated modular design with 3-phase, 5-wire connection ensuring easy and flexible installation, and the possibility of controlling each phase separately.

Features

- Philips Fortimo LED Line 1R for high efficiency and reliability
- Advanced optics enable precise and energy-saving beam shapes
- Requires much less packaging than fluorescent

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Application

- Supermarkets
- Warehouses
- Production facilities

Versions



LL120X LED35/LED70 L1500



LL120X LED70/LED140 L3000



LL120X LED70/LED140 L3000

Application Conditions

Ambient temperature range	-20 to +35 °C
Suitable for random switching	No

Approval and Application

Mech. impact protection code	IK02
Ingress protection code	IP20

Operating and Electrical

Input Voltage	220 to 240 V
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General Information

Beam angle of light source	90 x 90 °
CE mark	CE mark
Protection class IEC	Safety class I (I)
Driver included	Yes
ENEC mark	-
Flammability mark	NO
Gear	-
Glow-wire test	650/30
Light source replaceable	No
UL mark	No

Initial Performance (IEC Compliant)

Init. Colour Rendering Index	80
Initial LED luminaire efficacy	108.571 lm/W
Luminous flux tolerance	+/-7.5%

Mechanical and Housing

Colour	White
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Over Time Performance (IEC Compliant)

Median useful life L80B50	40000 h
Median useful life L90B50	20000 h

Application Conditions

Order Code	Full Product Name	Maximum dim level
911401582021	LL120X LED70 L1500 NW PSU 5 OP ENG	-
911401582121	LL120X LED70 L1500 NW PSU 5 DA ENG	-
911401582221	LL120X LED70 L1500 NW PSU 5 WB ENG	-
911401582321	LL120X LED70 L1500 CW PSU 5 OP ENG	-
911401582421	LL120X LED70 L1500 CW PSU 5 DA ENG	-
911401582521	LL120X LED70 L1500 CW PSU 5 WB ENG	-
911401582621	LL120X LED70 L1500 NW PSD 7 OP ENG	1% (depends on dimmer, ELV)
911401582721	LL120X LED70 L1500 NW PSD 7 DA ENG	1% (depends on dimmer, ELV)
911401582821	LL120X LED70 L1500 NW PSD 7 WB ENG	1% (depends on dimmer, ELV)
911401582921	LL120X LED70 L1500 CW PSD 7 OP ENG	1% (depends on dimmer, ELV)
911401583021	LL120X LED70 L1500 CW PSD 7 DA ENG	1% (depends on dimmer, ELV)
911401583121	LL120X LED70 L1500 CW PSD 7 WB ENG	1% (depends on dimmer, ELV)
911401583221	LL120X LED35 L1500 NW PSU 5 OP ENG	-
911401583321	LL120X LED35 L1500 NW PSU 5 DA ENG	-
911401583421	LL120X LED35 L1500 NW PSU 5 WB ENG	-
911401583521	LL120X LED35 L1500 CW PSU 5 OP ENG	-
911401583721	LL120X LED35 L1500 CW PSU 5 DA ENG	-
911401583821	LL120X LED35 L1500 CW PSU 5 WB ENG	-
911401583921	LL120X LED35 L1500 NW PSD 7 OP ENG	1% (depends on dimmer, ELV)
911401584021	LL120X LED35 L1500 NW PSD 7 DA ENG	1% (depends on dimmer, ELV)
911401584121	LL120X LED35 L1500 NW PSD 7 WB ENG	1% (depends on dimmer, ELV)
911401584221	LL120X LED35 L1500 CW PSD 7 OP ENG	1% (depends on dimmer, ELV)
911401584321	LL120X LED35 L1500 CW PSD 7 DA ENG	1% (depends on dimmer, ELV)
911401584421	LL120X LED35 L1500 CW PSD 7 WB ENG	1% (depends on dimmer, ELV)
911401583621	LL120X LED70 L3000 NW PSU 5 OP ENG	-
911401584521	LL120X LED140 L3000 NW PSU 5 OP ENG	-
911401584621	LL120X LED70 L3000 CW PSD 7 DA ENG	1% (depends on dimmer, ELV)
911401584721	LL120X LED140 L3000 NW PSU 5 DA ENG	-
911401584821	LL120X LED140 L3000 NW PSU 5 WB ENG	-
911401584921	LL120X LED140 L3000 CW PSU 5 OP ENG	-
911401585021	LL120X LED140 L3000 CW PSU 5 DA ENG	-
911401585121	LL120X LED140 L3000 CW PSU 5 WB ENG	-
911401585221	LL120X LED140 L3000 NW PSD 7 OP ENG	1% (depends on dimmer, ELV)
911401585321	LL120X LED140 L3000 NW PSD 7 DA ENG	1% (depends on dimmer, ELV)
911401585421	LL120X LED140 L3000 NW PSD 7 WB ENG	1% (depends on dimmer, ELV)
911401585521	LL120X LED140 L3000 CW PSD 7 OP ENG	1% (depends on dimmer, ELV)
911401585621	LL120X LED140 L3000 CW PSD 7 DA ENG	1% (depends on dimmer, ELV)
911401585721	LL120X LED140 L3000 CW PSD 7 WB ENG	1% (depends on dimmer, ELV)
911401585821	LL120X LED70 L3000 NW PSU 5 DA ENG	-
911401586021	LL120X LED70 L3000 CW PSU 5 OP ENG	-
911401586121	LL120X LED70 L3000 CW PSU 5 DA ENG	-
911401586221	LL120X LED70 L3000 CW PSU 5 WB ENG	-
911401586321	LL120X LED70 L3000 NW PSD 7 OP ENG	1% (depends on dimmer, ELV)
911401586421	LL120X LED70 L3000 NW PSD 7 DA ENG	1% (depends on dimmer, ELV)
911401586521	LL120X LED70 L3000 NW PSD 7 WB ENG	1% (depends on dimmer, ELV)
911401586621	LL120X LED70 L3000 CW PSD 7 OP ENG	1% (depends on dimmer, ELV)
911401586721	LL120X LED70 L3000 CW PSD 7 WB ENG	1% (depends on dimmer, ELV)
911401585921	LL120X LED70 L3000 NW PSU 5 WB ENG	-

Controls and Dimming

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Order Code	Full Product Name	Dimmable
911401582021	LL120X LED70 L1500 NW PSU 5 OP ENG	No
911401582121	LL120X LED70 L1500 NW PSU 5 DA ENG	No
911401582221	LL120X LED70 L1500 NW PSU 5 WB ENG	No
911401582321	LL120X LED70 L1500 CW PSU 5 OP ENG	No
911401582421	LL120X LED70 L1500 CW PSU 5 DA ENG	No
911401582521	LL120X LED70 L1500 CW PSU 5 WB ENG	No
911401582621	LL120X LED70 L1500 NW PSD 7 OP ENG	Yes
911401582721	LL120X LED70 L1500 NW PSD 7 DA ENG	Yes
911401582821	LL120X LED70 L1500 NW PSD 7 WB ENG	Yes
911401582921	LL120X LED70 L1500 CW PSD 7 OP ENG	Yes
911401583021	LL120X LED70 L1500 CW PSD 7 DA ENG	Yes
911401583121	LL120X LED70 L1500 CW PSD 7 WB ENG	Yes
911401583221	LL120X LED35 L1500 NW PSU 5 OP ENG	No
911401583321	LL120X LED35 L1500 NW PSU 5 DA ENG	No
911401583421	LL120X LED35 L1500 NW PSU 5 WB ENG	No
911401583521	LL120X LED35 L1500 CW PSU 5 OP ENG	No
911401583721	LL120X LED35 L1500 CW PSU 5 DA ENG	No
911401583821	LL120X LED35 L1500 CW PSU 5 WB ENG	No
911401583921	LL120X LED35 L1500 NW PSD 7 OP ENG	Yes
911401584021	LL120X LED35 L1500 NW PSD 7 DA ENG	Yes
911401584121	LL120X LED35 L1500 NW PSD 7 WB ENG	Yes
911401584221	LL120X LED35 L1500 CW PSD 7 OP ENG	Yes
911401584321	LL120X LED35 L1500 CW PSD 7 DA ENG	Yes
911401584421	LL120X LED35 L1500 CW PSD 7 WB ENG	Yes

Order Code	Full Product Name	Dimmable
911401583621	LL120X LED70 L3000 NW PSU 5 OP ENG	No
911401584521	LL120X LED140 L3000 NW PSU 5 OP ENG	No
911401584621	LL120X LED70 L3000 CW PSD 7 DA ENG	Yes
911401584721	LL120X LED140 L3000 NW PSU 5 DA ENG	No
911401584821	LL120X LED140 L3000 NW PSU 5 WB ENG	No
911401584921	LL120X LED140 L3000 CW PSU 5 OP ENG	No
911401585021	LL120X LED140 L3000 CW PSU 5 DA ENG	No
911401585121	LL120X LED140 L3000 CW PSU 5 WB ENG	No
911401585221	LL120X LED140 L3000 NW PSD 7 OP ENG	Yes
911401585321	LL120X LED140 L3000 NW PSD 7 DA ENG	Yes
911401585421	LL120X LED140 L3000 NW PSD 7 WB ENG	Yes
911401585521	LL120X LED140 L3000 CW PSD 7 OP ENG	Yes
911401585621	LL120X LED140 L3000 CW PSD 7 DA ENG	Yes
911401585721	LL120X LED140 L3000 CW PSD 7 WB ENG	Yes
911401585821	LL120X LED70 L3000 NW PSU 5 DA ENG	No
911401586021	LL120X LED70 L3000 CW PSU 5 OP ENG	No
911401586121	LL120X LED70 L3000 CW PSU 5 DA ENG	No
911401586221	LL120X LED70 L3000 CW PSU 5 WB ENG	No
911401586321	LL120X LED70 L3000 NW PSD 7 OP ENG	Yes
911401586421	LL120X LED70 L3000 NW PSD 7 DA ENG	Yes
911401586521	LL120X LED70 L3000 NW PSD 7 WB ENG	Yes
911401586621	LL120X LED70 L3000 CW PSD 7 OP ENG	Yes
911401586721	LL120X LED70 L3000 CW PSD 7 WB ENG	Yes
911401585921	LL120X LED70 L3000 NW PSU 5 WB ENG	No

General Information

Order Code	Full Product Name	Optical cover/lens type	Lamp family code	Number of gear units	Optic type
911401582021	LL120X LED70 L1500 NW PSU 5 OP ENG	O	LED76S	1 unit	WB
911401582121	LL120X LED70 L1500 NW PSU 5 DA ENG	LIN-PC	LED76S	1 unit	DA
911401582221	LL120X LED70 L1500 NW PSU 5 WB ENG	LIN-PC	LED76S	1 unit	WB
911401582321	LL120X LED70 L1500 CW PSU 5 OP ENG	O	LED76S	1 unit	WB
911401582421	LL120X LED70 L1500 CW PSU 5 DA ENG	LIN-PC	LED76S	1 unit	DA
911401582521	LL120X LED70 L1500 CW PSU 5 WB ENG	LIN-PC	LED76S	1 unit	WB
911401582621	LL120X LED70 L1500 NW PSD 7 OP ENG	O	LED76S	1 unit	WB
911401582721	LL120X LED70 L1500 NW PSD 7 DA ENG	LIN-PC	LED76S	1 unit	DA
911401582821	LL120X LED70 L1500 NW PSD 7 WB ENG	LIN-PC	LED76S	1 unit	WB
911401582921	LL120X LED70 L1500 CW PSD 7 OP ENG	O	LED76S	1 unit	WB
911401583021	LL120X LED70 L1500 CW PSD 7 DA ENG	LIN-PC	LED76S	1 unit	DA

Order Code	Full Product Name	Optical cover/lens type	Lamp family code	Number of gear units	Optic type
911401583121	LL120X LED70 L1500 CW PSD 7 WB ENG	LIN-PC	LED76S	1 unit	WB
911401583221	LL120X LED35 L1500 NW PSU 5 OP ENG	O	LED38S	1 unit	WB
911401583321	LL120X LED35 L1500 NW PSU 5 DA ENG	LIN-PC	LED38S	1 unit	DA
911401583421	LL120X LED35 L1500 NW PSU 5 WB ENG	LIN-PC	LED38S	1 unit	WB
911401583521	LL120X LED35 L1500 CW PSU 5 OP ENG	O	LED38S	1 unit	WB
911401583721	LL120X LED35 L1500 CW PSU 5 DA ENG	LIN-PC	LED38S	1 unit	DA
911401583821	LL120X LED35 L1500 CW PSU 5 WB ENG	LIN-PC	LED38S	1 unit	WB
911401583921	LL120X LED35 L1500 NW PSD 7 OP ENG	O	LED38S	1 unit	WB
911401584021	LL120X LED35 L1500 NW PSD 7 DA ENG	LIN-PC	LED38S	1 unit	DA
911401584121	LL120X LED35 L1500 NW PSD 7 WB ENG	LIN-PC	LED38S	1 unit	WB
911401584221	LL120X LED35 L1500 CW PSD 7 OP ENG	O	LED38S	1 unit	WB

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Order Code	Full Product Name	Optical cover/lens type	Lamp family code	Number of gear units	Optic type
911401584321	LL120X LED35 L1500 CW PSD 7 DA ENG	LIN-PC	LED38S	1 unit	DA
911401584421	LL120X LED35 L1500 CW PSD 7 WB ENG	LIN-PC	LED38S	1 unit	WB
911401583621	LL120X LED70 L3000 NW PSU 5 OP ENG	O	LED76S	2 units	WB
911401584521	LL120X LED140 L3000 NW PSU 5 OP ENG	O	LED152	2 units	WB
911401584621	LL120X LED70 L3000 CW PSD 7 DA ENG	LIN-PC	LED76S	2 units	DA
911401584721	LL120X LED140 L3000 NW PSU 5 DA ENG	LIN-PC	LED152	2 units	DA
911401584821	LL120X LED140 L3000 NW PSU 5 WB ENG	LIN-PC	LED152	2 units	WB
911401584921	LL120X LED140 L3000 CW PSU 5 OP ENG	O	LED152	2 units	WB
911401585021	LL120X LED140 L3000 CW PSU 5 DA ENG	LIN-PC	LED152	2 units	DA
911401585121	LL120X LED140 L3000 CW PSU 5 WB ENG	LIN-PC	LED152	2 units	WB
911401585221	LL120X LED140 L3000 NW PSD 7 OP ENG	O	LED152	2 units	WB
911401585321	LL120X LED140 L3000 NW PSD 7 DA ENG	LIN-PC	LED152	2 units	DA
911401585421	LL120X LED140 L3000 NW PSD 7 WB ENG	LIN-PC	LED152	2 units	WB

Order Code	Full Product Name	Optical cover/lens type	Lamp family code	Number of gear units	Optic type
911401585521	LL120X LED140 L3000 CW PSD 7 OP ENG	O	LED152	2 units	WB
911401585621	LL120X LED140 L3000 CW PSD 7 DA ENG	LIN-PC	LED152	2 units	DA
911401585721	LL120X LED140 L3000 CW PSD 7 WB ENG	LIN-PC	LED152	2 units	WB
911401585821	LL120X LED70 L3000 NW PSU 5 DA ENG	LIN-PC	LED76S	2 units	DA
911401586021	LL120X LED70 L3000 CW PSU 5 OP ENG	O	LED76S	2 units	WB
911401586121	LL120X LED70 L3000 CW PSU 5 DA ENG	LIN-PC	LED76S	2 units	DA
911401586221	LL120X LED70 L3000 CW PSU 5 WB ENG	LIN-PC	LED76S	2 units	WB
911401586321	LL120X LED70 L3000 NW PSD 7 OP ENG	O	LED76S	2 units	WB
911401586421	LL120X LED70 L3000 NW PSD 7 DA ENG	LIN-PC	LED76S	2 units	DA
911401586521	LL120X LED70 L3000 NW PSD 7 WB ENG	LIN-PC	LED76S	2 units	WB
911401586621	LL120X LED70 L3000 CW PSD 7 OP ENG	O	LED76S	2 units	WB
911401586721	LL120X LED70 L3000 CW PSD 7 WB ENG	LIN-PC	LED76S	2 units	WB
911401585921	LL120X LED70 L3000 NW PSU 5 WB ENG	LIN-PC	LED76S	2 units	WB

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Initial luminous flux	Initial input power
911401582021	LL120X LED70 L1500 NW PSU 5 OP ENG	(0.38, 0.38) SDCM <5	4000 K	7600 lm	70 W
911401582121	LL120X LED70 L1500 NW PSU 5 DA ENG	(0.38, 0.38) SDCM <5	4000 K	7600 lm	70 W
911401582221	LL120X LED70 L1500 NW PSU 5 WB ENG	(0.38, 0.38) SDCM <5	4000 K	7600 lm	70 W
911401582321	LL120X LED70 L1500 CW PSU 5 OP ENG	(0.31, 0.32) SDCM <5	6500 K	7600 lm	70 W
911401582421	LL120X LED70 L1500 CW PSU 5 DA ENG	(0.31, 0.32) SDCM <5	6500 K	7600 lm	70 W
911401582521	LL120X LED70 L1500 CW PSU 5 WB ENG	(0.31, 0.32) SDCM <5	6500 K	7600 lm	70 W

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Initial luminous flux	Initial input power
911401582621	LL120X LED70 L1500 NW PSD 7 OP ENG	(0.38, 0.38) SDCM <5	4000 K	7600 lm	70 W
911401582721	LL120X LED70 L1500 NW PSD 7 DA ENG	(0.38, 0.38) SDCM <5	4000 K	7600 lm	70 W
911401582821	LL120X LED70 L1500 NW PSD 7 WB ENG	(0.38, 0.38) SDCM <5	4000 K	7600 lm	70 W
911401582921	LL120X LED70 L1500 CW PSD 7 OP ENG	(0.31, 0.32) SDCM <5	6500 K	7600 lm	70 W
911401583021	LL120X LED70 L1500 CW PSD 7 DA ENG	(0.31, 0.32) SDCM <5	6500 K	7600 lm	70 W
911401583121	LL120X LED70 L1500 CW PSD 7 WB ENG	(0.31, 0.32) SDCM <5	6500 K	7600 lm	70 W

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Initial luminous flux	Initial input power
911401583221	LL120X LED35 L1500 NW PSU 5 OP ENG	(0.38, 0.38)	4000 K	3800 lm	35 W
911401583321	LL120X LED35 L1500 NW PSU 5 DA ENG	(0.38, 0.38)	4000 K	3800 lm	35 W
911401583421	LL120X LED35 L1500 NW PSU 5 WB ENG	(0.38, 0.38)	4000 K	3800 lm	35 W
911401583521	LL120X LED35 L1500 CW PSU 5 OP ENG	(0.31, 0.32)	6500 K	3800 lm	35 W
911401583721	LL120X LED35 L1500 CW PSU 5 DA ENG	(0.31, 0.32)	6500 K	3800 lm	35 W
911401583821	LL120X LED35 L1500 CW PSU 5 WB ENG	(0.31, 0.32)	6500 K	3800 lm	35 W
911401583921	LL120X LED35 L1500 NW PSD 7 OP ENG	(0.38, 0.38)	4000 K	3800 lm	35 W
911401584021	LL120X LED35 L1500 NW PSD 7 DA ENG	(0.38, 0.38)	4000 K	3800 lm	35 W
911401584121	LL120X LED35 L1500 NW PSD 7 WB ENG	(0.38, 0.38)	4000 K	3800 lm	35 W
911401584221	LL120X LED35 L1500 CW PSD 7 OP ENG	(0.31, 0.32)	6500 K	3800 lm	35 W
911401584321	LL120X LED35 L1500 CW PSD 7 DA ENG	(0.31, 0.32)	6500 K	3800 lm	35 W
911401584421	LL120X LED35 L1500 CW PSD 7 WB ENG	(0.31, 0.32)	6500 K	3800 lm	35 W
911401583621	LL120X LED70 L3000 NW PSU 5 OP ENG	(0.38, 0.38)	4000 K	7600 lm	70 W
911401584521	LL120X LED140 L3000 NW PSU 5 OP ENG	(0.38, 0.38)	4000 K	15200 lm	140 W
911401584621	LL120X LED70 L3000 CW PSD 7 DA ENG	(0.31, 0.32)	6500 K	7600 lm	70 W
911401584721	LL120X LED140 L3000 NW PSU 5 DA ENG	(0.38, 0.38)	4000 K	15200 lm	140 W

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Initial luminous flux	Initial input power
911401584821	LL120X LED140 L3000 NW PSU 5 WB ENG	(0.38, 0.38)	4000 K	15200 lm	140 W
911401584921	LL120X LED140 L3000 CW PSU 5 OP ENG	(0.31, 0.32)	6500 K	15200 lm	140 W
911401585021	LL120X LED140 L3000 CW PSU 5 DA ENG	(0.31, 0.32)	6500 K	15200 lm	140 W
911401585121	LL120X LED140 L3000 CW PSU 5 WB ENG	(0.31, 0.32)	6500 K	15200 lm	140 W
911401585221	LL120X LED140 L3000 NW PSD 7 OP ENG	(0.38, 0.38)	4000 K	15200 lm	140 W
911401585321	LL120X LED140 L3000 NW PSD 7 DA ENG	(0.38, 0.38)	4000 K	15200 lm	140 W
911401585421	LL120X LED140 L3000 NW PSD 7 WB ENG	(0.38, 0.38)	4000 K	15200 lm	140 W
911401585521	LL120X LED140 L3000 CW PSD 7 OP ENG	(0.31, 0.32)	6500 K	15200 lm	140 W
911401585621	LL120X LED140 L3000 CW PSD 7 DA ENG	(0.31, 0.32)	6500 K	15200 lm	140 W
911401585721	LL120X LED140 L3000 CW PSD 7 WB ENG	(0.31, 0.32)	6500 K	15200 lm	140 W
911401585821	LL120X LED70 L3000 NW PSU 5 DA ENG	(0.38, 0.38)	4000 K	7600 lm	70 W
911401586021	LL120X LED70 L3000 CW PSU 5 OP ENG	(0.31, 0.32)	6500 K	7600 lm	70 W
911401586121	LL120X LED70 L3000 CW PSU 5 DA ENG	(0.31, 0.32)	6500 K	7600 lm	70 W
911401586221	LL120X LED70 L3000 CW PSU 5 WB ENG	(0.31, 0.32)	6500 K	7600 lm	70 W
911401586321	LL120X LED70 L3000 NW PSD 7 OP ENG	(0.38, 0.38)	4000 K	7600 lm	70 W
911401586421	LL120X LED70 L3000 NW PSD 7 DA ENG	(0.38, 0.38)	4000 K	7600 lm	70 W

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Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Initial luminous flux	Initial input power
911401586521	LL120X LED70 L3000 NW PSD 7 WB ENG	(0.38, 0.38) SDCM <5	4000 K	7600 lm	70 W
911401586621	LL120X LED70 L3000 CW PSD 7 OP ENG	(0.31, 0.32) SDCM <5	6500 K	7600 lm	70 W

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Initial luminous flux	Initial input power
911401586721	LL120X LED70 L3000 CW PSD 7 WB ENG	(0.31, 0.32) SDCM <5	6500 K	7600 lm	70 W
911401585921	LL120X LED70 L3000 NW PSU 5 WB ENG	(0.38, 0.38) SDCM <5	4000 K	7600 lm	70 W

