



The new generation of energy-saving LED PLL tube lighting

CorePro LED PLL

Philips CorePro LED PLL is the ideal uplampping solution for downlights & luminaires in a wide range of general lighting applications. It integrates a LED light source into a traditional fluorescent form factor to offer superb energy savings over a lifetime that's twice as long as fluorescent alternatives.

Benefits

- Reduced operational cost thanks to a lower energy consumption than conventional PLL lamps, as well as lower maintenance cost thanks to a 2-3 times longer lifetime than conventional lamps
- Simple lamp-for-lamp replacement, re-using the existing fixture without major modifications, using a similar PLL form-factor
- Fastest and easiest way to upgrade existing luminaires to LED technology

Features

- High quality of light, no flickering nor stroboscopic effect
- Instant 100% light
- Choice of 3000 K, 4000 K & 6500 K

Application

- Hospitality
- Retail
- Office (stairways, corridors)
- Industrial areas

CorePro LED PLL

Versions

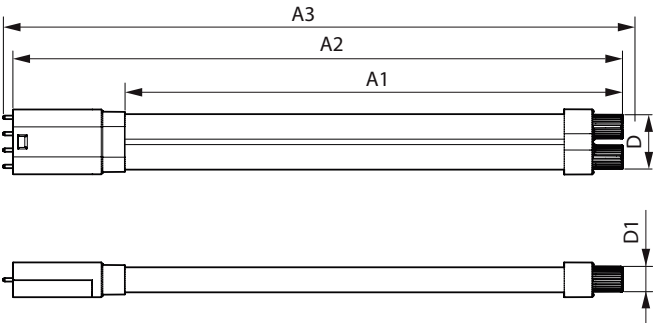
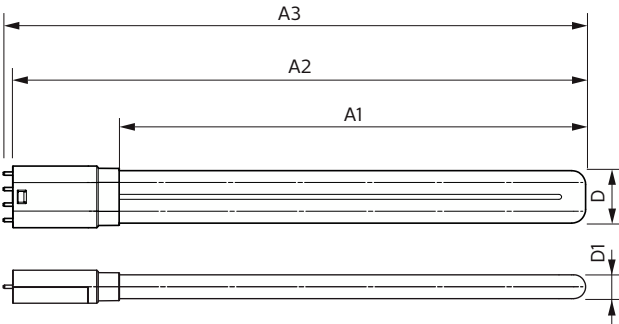
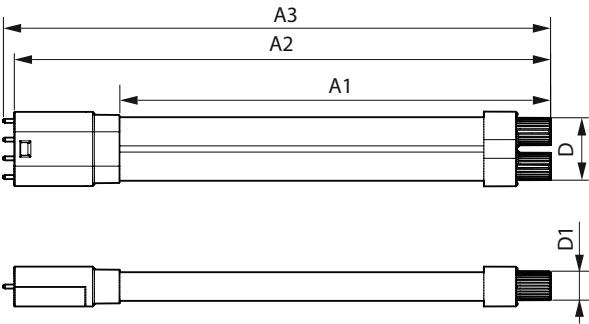


LEDtube PLL HF 24W 2G11 830 4P 24D ND

LEDtube COR PLL EU 8W 2G11

CorePro-LED-Urban-PLL-Mains-18W

Dimensional drawing



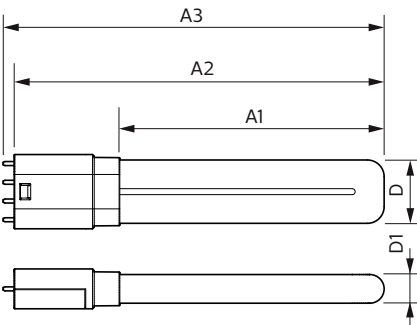
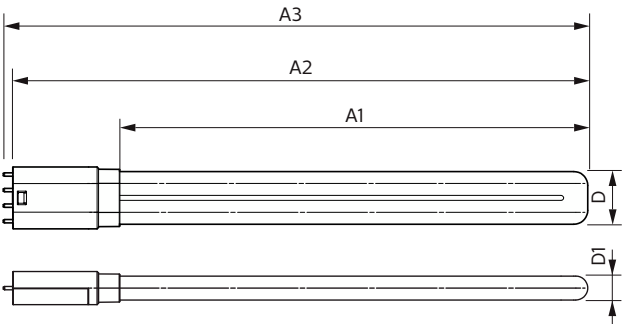
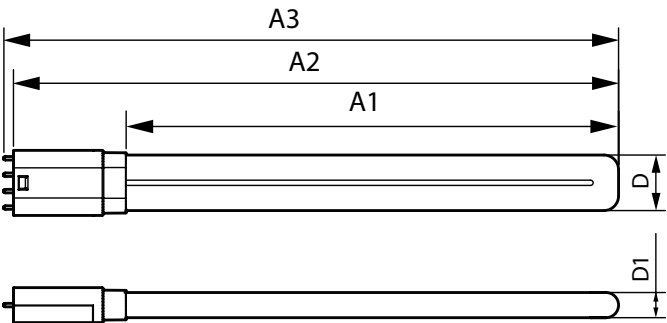
Product	D1	D2	A1	A2	A3
CorePro LED Urban PLL Mains 13W 830	17 mm	37 mm	253 mm	315 mm	321 mm
CorePro LED Urban PLL Mains 13W 840	17 mm	37 mm	253 mm	315 mm	321 mm

Product	D1	D2	A1	A2	A3
CorePro LED PLL EM/Mains 16.5W 830 4P	17 mm	38 mm	330 mm	405 mm	412 mm
CorePro LED PLL EM/Mains 16.5W 840 4P	17 mm	38 mm	330 mm	405 mm	412 mm
LED PLL HF 17W 840 4P 2G11 1PK 10/1	17 mm	38 mm	330 mm	405 mm	412 mm
LED PLL HF 17W 857 4P 2G11 1PK 10/1	17 mm	38 mm	330 mm	405 mm	412 mm

Product	D1	D2	A1	A2	A3
CorePro LED Urban PLL Mains 18W 830	17 mm	37 mm	335 mm	410 mm	416 mm
CorePro LED Urban PLL Mains 18W 840	17 mm	37 mm	335 mm	410 mm	416 mm

CorePro LED PLL

Dimensional drawing



Product	D1	D	A1	A2	A3
CorePro LED PLL HF 16.5W 830 4P 2G11	17 mm	38 mm	330 mm	405 mm	412 mm
CorePro LED PLL HF 16.5W 840 4P 2G11	17 mm	38 mm	330 mm	405 mm	412 mm
CorePro LED PLL HF 16.5W 865 4P 2G11	17 mm	38 mm	330 mm	405 mm	412 mm

Product	D1	D2	A1	A2	A3
CorePro LED PLL EM/Mains 12W 830 4P	17 mm	38 mm	250 mm	312 mm	319 mm
CorePro LED PLL EM/Mains 12W 840 4P	17 mm	38 mm	250 mm	312 mm	319 mm
CorePro LED PLL HF 12W 830 4P 2G11	17 mm	38 mm	250 mm	312 mm	319 mm
CorePro LED PLL HF 12W 840 4P 2G11	17 mm	38 mm	250 mm	312 mm	319 mm
CorePro LED PLL HF 24W 830 4P 2G11	17 mm	38 mm	453 mm	528 mm	535 mm
CorePro LED PLL HF 24W 840 4P 2G11	17 mm	38 mm	453 mm	528 mm	535 mm
CorePro LED PLL HF 24W 865 4P 2G11	17 mm	38 mm	453 mm	528 mm	535 mm
CorePro LED PLL Mains 24W 830 4P	17 mm	38 mm	453 mm	528 mm	535 mm
CorePro LED PLL Mains 24W 840 4P	17 mm	38 mm	453 mm	528 mm	535 mm
LED PLL HF 23W 840 4P 2G11 1PK 10/1	17 mm	38 mm	453 mm	528 mm	535 mm
LED PLL HF 23W 857 4P 2G11 1PK 10/1	17 mm	38 mm	453 mm	528 mm	535 mm

Product	D1	D2	A1	A2	A3
CorePro LED PLL EM/Mains 8W 830 4P	17 mm	38 mm	156 mm	218 mm	224 mm
CorePro LED PLL EM/Mains 8W 840 4P	17 mm	38 mm	156 mm	218 mm	224 mm
CorePro LED PLL HF 8W 830 4P 2G11	17 mm	38 mm	155 mm	217 mm	224 mm
CorePro LED PLL HF 8W 840 4P 2G11	17 mm	38 mm	155 mm	217 mm	224 mm

CorePro LED PLL

General Information	
Cap-Base	2G11
Light Technical	
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Starting Time (Nom)	0.5 s
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Shape	PL-L

General Information

Order Code	Full Product Name	Switching Cycle	Nominal lifetime
929001381502	CorePro LED PLL HF 16.5W 830 4P 2G11	50,000	30,000 hour(s)
929001381602	CorePro LED PLL HF 16.5W 840 4P 2G11	50,000	30,000 hour(s)
929001381702	CorePro LED PLL HF 16.5W 865 4P 2G11	50,000	30,000 hour(s)
929001835721	LED PLL HF 17W 857 4P 2G11 1PK 10/1	50,000	50,000 hour(s)
929001835821	LED PLL HF 17W 840 4P 2G11 1PK 10/1	50,000	50,000 hour(s)
929003592602	CorePro LED PLL EM/Mains 16.5W 830 4P	200,000	30,000 hour(s)
929003592702	CorePro LED PLL EM/Mains 16.5W 840 4P	200,000	30,000 hour(s)
929001835921	LED PLL HF 23W 857 4P 2G11 1PK 10/1	50,000	50,000 hour(s)
929001836021	LED PLL HF 23W 840 4P 2G11 1PK 10/1	50,000	50,000 hour(s)
929001920402	CorePro LED PLL HF 24W 830 4P 2G11	50,000	30,000 hour(s)
929001920502	CorePro LED PLL HF 24W 840 4P 2G11	50,000	30,000 hour(s)
929001920602	CorePro LED PLL HF 24W 865 4P 2G11	50,000	30,000 hour(s)
929003592802	CorePro LED PLL Mains 24W 830 4P	200,000	30,000 hour(s)

Order Code	Full Product Name	Switching Cycle	Nominal lifetime
929003592902	CorePro LED PLL Mains 24W 840 4P	200,000	30,000 hour(s)
929003758202	CorePro LED Urban PLL Mains 13W 830	200,000	30,000 hour(s)
929003758302	CorePro LED Urban PLL Mains 13W 840	200,000	30,000 hour(s)
929003579002	CorePro LED PLL HF 12W 830 4P 2G11	50,000	30,000 hour(s)
929003579102	CorePro LED PLL HF 12W 840 4P 2G11	50,000	30,000 hour(s)
929003592402	CorePro LED PLL EM/Mains 12W 830 4P	200,000	30,000 hour(s)
929003592502	CorePro LED PLL EM/Mains 12W 840 4P	200,000	30,000 hour(s)
929003578802	CorePro LED PLL HF 8W 830 4P 2G11	50,000	30,000 hour(s)
929003578902	CorePro LED PLL HF 8W 840 4P 2G11	50,000	30,000 hour(s)
929003592202	CorePro LED PLL EM/Mains 8W 830 4P	200,000	30,000 hour(s)
929003592302	CorePro LED PLL EM/Mains 8W 840 4P	200,000	30,000 hour(s)
929003758402	CorePro LED Urban PLL Mains 18W 830	200,000	30,000 hour(s)
929003758502	CorePro LED Urban PLL Mains 18W 840	200,000	30,000 hour(s)

Light Technical

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Color Code	Luminous Flux
929001381502	CorePro LED PLL HF 16.5W 830 4P 2G11	160 degree(s)	3000 K	83	830	2,000 lm
929001381602	CorePro LED PLL HF 16.5W 840 4P 2G11	160 degree(s)	4000 K	83	840	2,100 lm
929001381702	CorePro LED PLL HF 16.5W 865 4P 2G11	160 degree(s)	6500 K	83	865	2,100 lm
929001835721	LED PLL HF 17W 857 4P 2G11 1PK 10/1	160 degree(s)	5700 K	82	857	2,400 lm
929001835821	LED PLL HF 17W 840 4P 2G11 1PK 10/1	160 degree(s)	4000 K	82	840	2,400 lm
929003592602	CorePro LED PLL EM/Mains 16.5W 830 4P	160 degree(s)	3000 K	80	830	2,000 lm

CorePro LED PLL

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Color Code	Luminous Flux
929003592702	CorePro LED PLL EM/Mains 16.5W 840 4P	160 degree(s)	4000 K	80	840	2,100 lm
929001835921	LED PLL HF 23W 857 4P 2G11 1PK 10/1	160 degree(s)	5700 K	82	857	3,400 lm
929001836021	LED PLL HF 23W 840 4P 2G11 1PK 10/1	160 degree(s)	4000 K	82	840	3,600 lm
929001920402	CorePro LED PLL HF 24W 830 4P 2G11	160 degree(s)	3000 K	83	830	3,200 lm
929001920502	CorePro LED PLL HF 24W 840 4P 2G11	160 degree(s)	4000 K	83	840	3,400 lm
929001920602	CorePro LED PLL HF 24W 865 4P 2G11	160 degree(s)	6500 K	83	865	3,400 lm
929003592802	CorePro LED PLL Mains 24W 830 4P	160 degree(s)	3000 K	80	830	3,200 lm
929003592902	CorePro LED PLL Mains 24W 840 4P	160 degree(s)	4000 K	80	840	3,400 lm
929003758202	CorePro LED Urban PLL Mains 13W 830	360 degree(s)	3000 K	80	830	1,520 lm
929003758302	CorePro LED Urban PLL Mains 13W 840	360 degree(s)	4000 K	80	840	1,600 lm
929003579002	CorePro LED PLL HF 12W 830 4P 2G11	160 degree(s)	3000 K	80	830	1,440 lm
929003579102	CorePro LED PLL HF 12W 840 4P 2G11	160 degree(s)	4000 K	80	840	1,500 lm
929003592402	CorePro LED PLL EM/Mains 12W 830 4P	160 degree(s)	3000 K	80	830	1,440 lm
929003592502	CorePro LED PLL EM/Mains 12W 840 4P	160 degree(s)	4000 K	80	840	1,500 lm
929003578802	CorePro LED PLL HF 8W 830 4P 2G11	160 degree(s)	3000 K	80	830	960 lm
929003578902	CorePro LED PLL HF 8W 840 4P 2G11	160 degree(s)	4000 K	80	840	1,000 lm
929003592202	CorePro LED PLL EM/Mains 8W 830 4P	160 degree(s)	3000 K	80	830	960 lm
929003592302	CorePro LED PLL EM/Mains 8W 840 4P	160 degree(s)	4000 K	80	840	1,000 lm
929003758402	CorePro LED Urban PLL Mains 18W 830	360 degree(s)	3000 K	80	830	2,100 lm
929003758502	CorePro LED Urban PLL Mains 18W 840	360 degree(s)	4000 K	80	840	2,300 lm

Operating and Electrical

Order Code	Full Product Name	Input Frequency	Line Frequency	Power Consumption	Wattage Equivalent
929001381502	CorePro LED PLL HF 16.5W 830 4P 2G11	39000-71000 Hz	39000-71000 Hz	16.5 W	-
929001381602	CorePro LED PLL HF 16.5W 840 4P 2G11	39000-71000 Hz	39000-71000 Hz	16.5 W	-
929001381702	CorePro LED PLL HF 16.5W 865 4P 2G11	39000-71000 Hz	39000-71000 Hz	16.5 W	-
929001835721	LED PLL HF 17W 857 4P 2G11 1PK 10/1	60 Hz	60 Hz	17 W	36 W
929001835821	LED PLL HF 17W 840 4P 2G11 1PK 10/1	60 Hz	60 Hz	17 W	36 W
929003592602	CorePro LED PLL EM/Mains 16.5W 830 4P	50 to 60 Hz	50 to 60 Hz	16.5 W	-
929003592702	CorePro LED PLL EM/Mains 16.5W 840 4P	50 to 60 Hz	50 to 60 Hz	16.5 W	-
929001835921	LED PLL HF 23W 857 4P 2G11 1PK 10/1	60 Hz	60 Hz	23 W	55 W
929001836021	LED PLL HF 23W 840 4P 2G11 1PK 10/1	60 Hz	60 Hz	23 W	55 W
929001920402	CorePro LED PLL HF 24W	20000-70000 Hz	20000-70000 Hz	24 W	-

CorePro LED PLL

Order Code	Full Product Name	Input Frequency	Line Frequency	Power Consumption	Wattage Equivalent
	830 4P 2G11				
929001920502	CorePro LED PLL HF 24W 840 4P 2G11	20000-70000 Hz	20000-70000 Hz	24 W	-
929001920602	CorePro LED PLL HF 24W 865 4P 2G11	20000-70000 Hz	20000-70000 Hz	24 W	-
929003592802	CorePro LED PLL Mains 24W 830 4P	50 to 60 Hz	50 to 60 Hz	24 W	-
929003592902	CorePro LED PLL Mains 24W 840 4P	50 to 60 Hz	50 to 60 Hz	24 W	-
929003758202	CorePro LED Urban PLL Mains 13W 830	50 to 60 Hz	-	13 W	-
929003758302	CorePro LED Urban PLL Mains 13W 840	50 to 60 Hz	-	13 W	-
929003579002	CorePro LED PLL HF 12W 830 4P 2G11	20K-80K Hz	20K-80K Hz	12 W	-
929003579102	CorePro LED PLL HF 12W 840 4P 2G11	20K-80K Hz	20K-80K Hz	12 W	-
929003592402	CorePro LED PLL	50 to 60 Hz	50 to 60 Hz	12 W	-

Order Code	Full Product Name	Input Frequency	Line Frequency	Power Consumption	Wattage Equivalent
	EM/ Mains 12W 830 4P				
929003592502	CorePro LED PLL EM/ Mains 12W 840 4P	50 to 60 Hz	50 to 60 Hz	12 W	-
929003578802	CorePro LED PLL HF 8W 830 4P 2G11	20K-80K Hz	20K-80K Hz	8 W	-
929003578902	CorePro LED PLL HF 8W 840 4P 2G11	20K-80K Hz	20K-80K Hz	8 W	-
929003592202	CorePro LED PLL EM/ Mains 8W 830 4P	50 to 60 Hz	50 to 60 Hz	8 W	-
929003592302	CorePro LED PLL EM/ Mains 8W 840 4P	50 to 60 Hz	50 to 60 Hz	8 W	-
929003758402	CorePro LED Urban PLL Mains 18W 830	50 to 60 Hz	-	18 W	-
929003758502	CorePro LED Urban PLL Mains 18W 840	50 to 60 Hz	-	18 W	-

Temperature

CorePro LED PLL

Order Code	Full Product Name	T-Case Maximum (Nom)
929001381502	CorePro LED PLL HF 16.5W 830 4P 2G11	70 °C
929001381602	CorePro LED PLL HF 16.5W 840 4P 2G11	70 °C
929001381702	CorePro LED PLL HF 16.5W 865 4P 2G11	70 °C
929001835721	LED PLL HF 17W 857 4P 2G11 1PK 10/1	60 °C
929001835821	LED PLL HF 17W 840 4P 2G11 1PK 10/1	60 °C
929003592602	CorePro LED PLL EM/Mains 16.5W 830 4P	70 °C
929003592702	CorePro LED PLL EM/Mains 16.5W 840 4P	70 °C
929001835921	LED PLL HF 23W 857 4P 2G11 1PK 10/1	60 °C
929001836021	LED PLL HF 23W 840 4P 2G11 1PK 10/1	60 °C
929001920402	CorePro LED PLL HF 24W 830 4P 2G11	70 °C
929001920502	CorePro LED PLL HF 24W 840 4P 2G11	70 °C
929001920602	CorePro LED PLL HF 24W 865 4P 2G11	70 °C
929003592802	CorePro LED PLL Mains 24W 830 4P	75 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929003592902	CorePro LED PLL Mains 24W 840 4P	75 °C
929003758202	CorePro LED Urban PLL Mains 13W 830	60 °C
929003758302	CorePro LED Urban PLL Mains 13W 840	60 °C
929003579002	CorePro LED PLL HF 12W 830 4P 2G11	70 °C
929003579102	CorePro LED PLL HF 12W 840 4P 2G11	70 °C
929003592402	CorePro LED PLL EM/Mains 12W 830 4P	70 °C
929003592502	CorePro LED PLL EM/Mains 12W 840 4P	70 °C
929003578802	CorePro LED PLL HF 8W 830 4P 2G11	70 °C
929003578902	CorePro LED PLL HF 8W 840 4P 2G11	70 °C
929003592202	CorePro LED PLL EM/Mains 8W 830 4P	70 °C
929003592302	CorePro LED PLL EM/Mains 8W 840 4P	70 °C
929003758402	CorePro LED Urban PLL Mains 18W 830	55 °C
929003758502	CorePro LED Urban PLL Mains 18W 840	55 °C

Mechanical and Housing

Order Code	Full Product Name	Bulb Finish
929001381502	CorePro LED PLL HF 16.5W 830 4P 2G11	-
929001381602	CorePro LED PLL HF 16.5W 840 4P 2G11	-
929001381702	CorePro LED PLL HF 16.5W 865 4P 2G11	-
929001835721	LED PLL HF 17W 857 4P 2G11 1PK 10/1	Frosted
929001835821	LED PLL HF 17W 840 4P 2G11 1PK 10/1	Frosted
929003592602	CorePro LED PLL EM/Mains 16.5W 830 4P	Frosted
929003592702	CorePro LED PLL EM/Mains 16.5W 840 4P	Frosted
929001835921	LED PLL HF 23W 857 4P 2G11 1PK 10/1	Frosted
929001836021	LED PLL HF 23W 840 4P 2G11 1PK 10/1	Frosted
929001920402	CorePro LED PLL HF 24W 830 4P 2G11	-
929001920502	CorePro LED PLL HF 24W 840 4P 2G11	-
929001920602	CorePro LED PLL HF 24W 865 4P 2G11	-
929003592802	CorePro LED PLL Mains 24W 830 4P	Frosted

Order Code	Full Product Name	Bulb Finish
929003592902	CorePro LED PLL Mains 24W 840 4P	Frosted
929003758202	CorePro LED Urban PLL Mains 13W 830	Clear
929003758302	CorePro LED Urban PLL Mains 13W 840	Clear
929003579002	CorePro LED PLL HF 12W 830 4P 2G11	Frosted
929003579102	CorePro LED PLL HF 12W 840 4P 2G11	Frosted
929003592402	CorePro LED PLL EM/Mains 12W 830 4P	Frosted
929003592502	CorePro LED PLL EM/Mains 12W 840 4P	Frosted
929003578802	CorePro LED PLL HF 8W 830 4P 2G11	Frosted
929003578902	CorePro LED PLL HF 8W 840 4P 2G11	Frosted
929003592202	CorePro LED PLL EM/Mains 8W 830 4P	Frosted
929003592302	CorePro LED PLL EM/Mains 8W 840 4P	Frosted
929003758402	CorePro LED Urban PLL Mains 18W 830	Clear
929003758502	CorePro LED Urban PLL Mains 18W 840	Clear

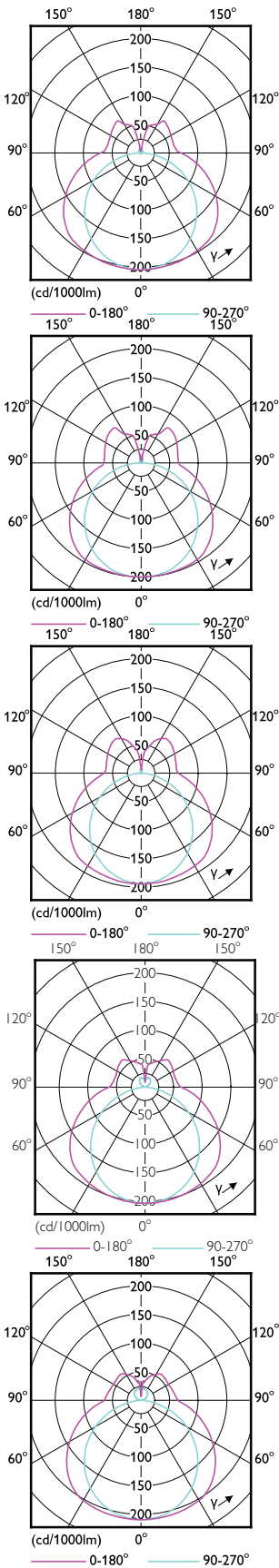
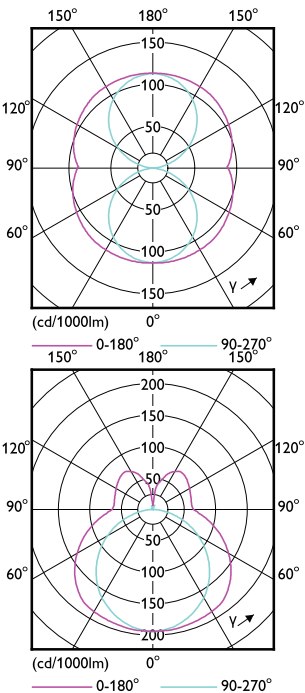
Approval and Application

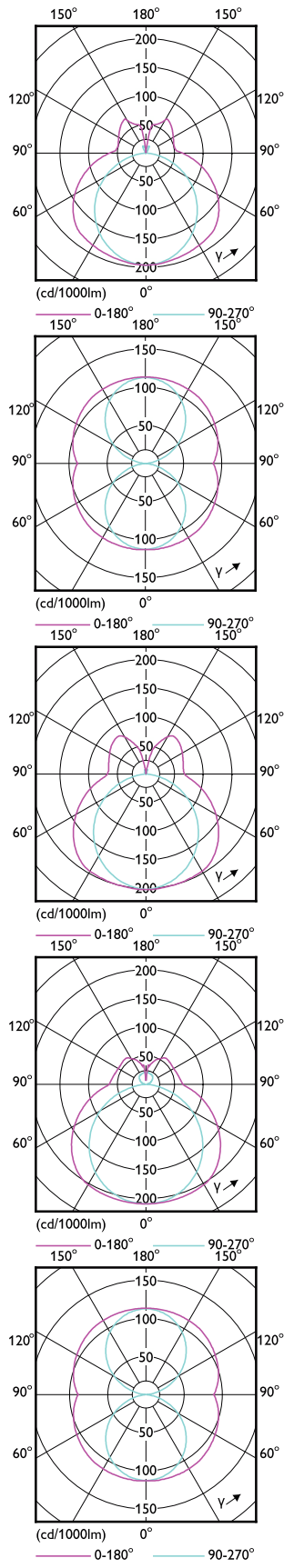
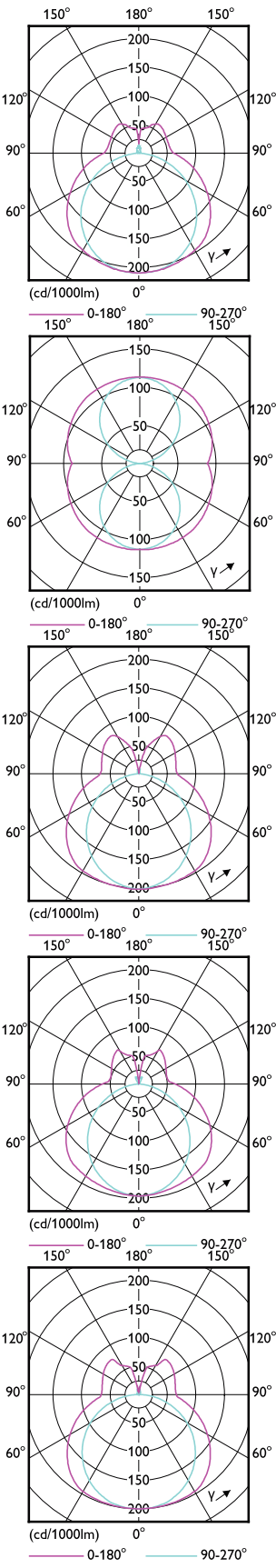
Order Code	Full Product Name	Ambient temperature range	Energy Consumption kWh/1000 h
929001381502	CorePro LED PLL HF 16.5W 830 4P 2G11	-20 °C to 45 °C	17 kWh
929001381602	CorePro LED PLL HF 16.5W 840 4P 2G11	-20 °C to 45 °C	17 kWh
929001381702	CorePro LED PLL HF 16.5W 865 4P 2G11	-20 °C to 45 °C	17 kWh
929001835721	LED PLL HF 17W 857 4P 2G11 1PK 10/1	-20 °C to 45 °C	-
929001835821	LED PLL HF 17W 840 4P 2G11 1PK 10/1	-20 °C to 45 °C	-
929003592602	CorePro LED PLL EM/Mains 16.5W 830 4P	-20 °C to 45 °C	17 kWh
929003592702	CorePro LED PLL EM/Mains 16.5W 840 4P	-20 °C to 45 °C	17 kWh

Order Code	Full Product Name	Ambient temperature range	Energy Consumption kWh/1000 h
929001835921	LED PLL HF 23W 857 4P 2G11 1PK 10/1	-20 °C to 45 °C	-
929001836021	LED PLL HF 23W 840 4P 2G11 1PK 10/1	-20 °C to 45 °C	-
929001920402	CorePro LED PLL HF 24W 830 4P 2G11	-20 °C to 45 °C	24 kWh
929001920502	CorePro LED PLL HF 24W 840 4P 2G11	-20 °C to 45 °C	24 kWh
929001920602	CorePro LED PLL HF 24W 865 4P 2G11	-20 °C to 45 °C	24 kWh
929003592802	CorePro LED PLL Mains 24W 830 4P	-20 °C to 45 °C	24 kWh
929003592902	CorePro LED PLL Mains 24W 840 4P	-20 °C to 45 °C	24 kWh

CorePro LED PLL

Order Code	Full Product Name	Ambient temperature range	Energy
			Consumption kWh/1000 h
929003758202	CorePro LED Urban PLL Mains 13W 830	-30 to +45 °C	13 kWh
929003758302	CorePro LED Urban PLL Mains 13W 840	-30 to +45 °C	13 kWh
929003579002	CorePro LED PLL HF 12W 830 4P 2G11	-20 °C to 45 °C	12 kWh
929003579102	CorePro LED PLL HF 12W 840 4P 2G11	-20 °C to 45 °C	12 kWh
929003592402	CorePro LED PLL EM/ Mains 12W 830 4P	-20 °C to 45 °C	12 kWh
929003592502	CorePro LED PLL EM/ Mains 12W 840 4P	-20 °C to 45 °C	12 kWh
929003578802	CorePro LED PLL HF 8W 830 4P 2G11	-20 °C to 45 °C	8 kWh
929003578902	CorePro LED PLL HF 8W 840 4P 2G11	-20 °C to 45 °C	8 kWh
929003592202	CorePro LED PLL EM/ Mains 8W 830 4P	-20 °C to 45 °C	8 kWh
929003592302	CorePro LED PLL EM/ Mains 8W 840 4P	-20 °C to 45 °C	8 kWh
929003758402	CorePro LED Urban PLL Mains 18W 830	-30 to +45 °C	18 kWh
929003758502	CorePro LED Urban PLL Mains 18W 840	-30 to +45 °C	18 kWh





CorePro LED PLL

