PHILIPS

Lighting

High Color Rendering, High Efficacy, Long Life Lamps

PL-C Cluster 2-Pin Base

Philips Linear Compact Fluorescent Lamps offer designers, specifiers and end-users new levels of efficiencies and versatility in sizes,configurations and application possibilities. With so many elegant fixtures available to complement their small size, high light output and advanced technology, Philips Energy Advantage lamps are fast becoming the preferred choice when maximum effciency and sleek design solutions are required.

Benefits

- Enhanced performance - 80% light output between 55° and 127 F*
- Sustainable lighting solution.
- Compact quad tube design
- * 80% light output in a base-up position

Features

- Enhanced Performance
- Quad Tube Design
- 10,000 Hour Rated Average Life*
- ALTO® Lamp Technology
- Available in: 13,18,26 watts with 2700,3000,3500,and 4100 color temperatures
- * Average life under specified test conditions with lamps turned off and restarted no more frequently than once every 3 operating hours. Lamp life is appreciably longer if lamps are started less frequently

Application

- Ideal for downlights and wall washers in general lighting; wall sconces in decorative lighting.

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Warnings and Safety

- Lamp contains mercury.
- Manage in Accord with Disposal Laws.
- See: www.lamprecycle.org or 1-800-555-0050

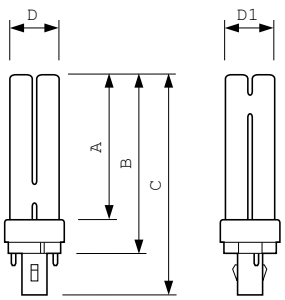
Versions

13W, G24d-1, 2P

18 W G24d-2

26W, G24d-3, 2P

Dimensional drawing



Product	D (max)	D1 (max)	A (max)	B (max)	C (max)
PL-C 13W/827/2P 1CT/ 5X10BOX ALTO	1-1/16 in	1-1/16 in	3-3/16 in	3-15/16 in	4-13/16 in
PL-C 13W/835/2P 1CT/ 5X10BOX ALTO	1-1/16 in	1-1/16 in	3-3/16 in	3-15/16 in	4-13/16 in
PL-C 13W/841/2P 1CT/ 5X10BOX ALTO	1-1/16 in	1-1/16 in	3-3/16 in	3-15/16 in	4-13/16 in
PL-C 18W/827/2P/ALTO 10PK	1-1/16 in	1-1/16 in	4-5/16 in	5-1/16 in	5-15/16 in
PL-C 18W/835/2P/ALTO 10PK	1-1/16 in	1-1/16 in	4-5/16 in	5-1/16 in	5-15/16 in
PL-C 18W/841/2P/ALTO 10PK	1-1/16 in	1-1/16 in	4-5/16 in	5-1/16 in	5-15/16 in
PL-C 26W/827/2P/ALTO 10PK	1-1/16 in	1-1/16 in	5-3/16 in	5-7/8 in	6-3/4 in
PL-C26W/830/2P/ALTO 10PK	1-1/16 in	1-1/16 in	5-3/16 in	5-7/8 in	6-3/4 in
PL-C 26W/835/2P/ALTO 10PK	1-1/16 in	1-1/16 in	5-3/16 in	5-7/8 in	6-3/4 in
PL-C 26W/841/2P/ALTO 10PK	1-1/16 in	1-1/16 in	5-3/16 in	5-7/8 in	6-3/4 in

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Approval and application	
Mercury (Hg) Content (Nom)	1.4 mg
Controls and dimming	
Dimmable	No
General information	
Life To 10% Failures (Nom)	6500 h
Life To 50% Failures (Nom)	10000 h
LSF 2000 h Rated	99 %
LSF 4000 h Rated	98 %
LSF 6000 h Rated	92 %
LSF 8000 h Rated	78 %
Light technical	
Color Rendering Index (Nom)	82
LLMF 2000 h Rated	92 %
LLMF 4000 h Rated	87 %
LLMF 8000 h Rated	81 %
Temperature	
Design Temperature (Nom)	82 °F

Approval and application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
383109	PL-C 13W/827/2P 1CT/5X10BOX ALTO	-
383125	PL-C 13W/835/2P 1CT/5X10BOX ALTO	-
383133	PL-C 13W/841/2P 1CT/5X10BOX ALTO	-
383166	PL-C 18W/827/2P/ALTO 10PK	22 kWh
383182	PL-C 18W/835/2P/ALTO 10PK	22 kWh
383190	PL-C 18W/841/2P/ALTO 10PK	22 kWh
383216	PL-C 26W/827/2P/ALTO 10PK	32 kWh
383224	PL-C 26W/830/2P/ALTO 10PK	32 kWh
383232	PL-C 26W/835/2P/ALTO 10PK	32 kWh
383240	PL-C 26W/841/2P/ALTO 10PK	32 kWh

Operating and electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Nom)
383109	PL-C 13W/827/2P 1CT/5X10BOX ALTO	0.285 A	12.7 W
383125	PL-C 13W/835/2P 1CT/5X10BOX ALTO	0.285 A	12.7 W
383133	PL-C 13W/841/2P 1CT/5X10BOX ALTO	0.285 A	12.7 W
383166	PL-C 18W/827/2P/ALTO 10PK	0.230 A	17.9 W
383182	PL-C 18W/835/2P/ALTO 10PK	0.230 A	18 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Nom)
383190	PL-C 18W/841/2P/ALTO 10PK	0.230 A	17.9 W
383216	PL-C 26W/827/2P/ALTO 10PK	0.335 A	26.5 W
383224	PL-C 26W/830/2P/ALTO 10PK	0.335 A	26.5 W
383232	PL-C 26W/835/2P/ALTO 10PK	0.335 A	26.5 W
383240	PL-C 26W/841/2P/ALTO 10PK	0.335 A	26.5 W

General information

Order Code	Full Product Name	Cap-Base
383109	PL-C 13W/827/2P 1CT/5X10BOX ALTO	GX23-2
383125	PL-C 13W/835/2P 1CT/5X10BOX ALTO	GX23-2
383133	PL-C 13W/841/2P 1CT/5X10BOX ALTO	GX23-2
383166	PL-C 18W/827/2P/ALTO 10PK	G24D-2
383182	PL-C 18W/835/2P/ALTO 10PK	G24D-2

Order Code	Full Product Name	Cap-Base
383190	PL-C 18W/841/2P/ALTO 10PK	G24D-2
383216	PL-C 26W/827/2P/ALTO 10PK	G24D-3
383224	PL-C 26W/830/2P/ALTO 10PK	G24D-3
383232	PL-C 26W/835/2P/ALTO 10PK	G24D-3
383240	PL-C 26W/841/2P/ALTO 10PK	G24D-3

Light technical (1/2)

Order Code	Full Product Name	Color Code	Color Designation	Correlated Color Temperature (Nom)	LLMF 6000 h Rated
383109	PL-C 13W/827/2P 1CT/5X10BOX ALTO	827	Incandescent White	2700 K	84 %

Order Code	Full Product Name	Color Code	Color Designation	Correlated Color Temperature (Nom)	LLMF 6000 h Rated
383125	PL-C 13W/835/2P 1CT/5X10BOX ALTO	835	White (WH)	3500 K	84 %

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Order Code	Full Product Name	Color Code	Color Designation	Correlated Color Temperature (Nom)	LLMF 6000 h Rated
383133	PL-C 13W/841/2P 1CT/5X10BOX ALTO	841	Cool White (CW)	4100 K	84 %
383166	PL-C 18W/827/2P/ ALTO 10PK	827	Incandescent White	2700 K	83 %
383182	PL-C 18W/835/2P/ ALTO 10PK	835	White (WH)	3500 K	83 %
383190	PL-C 18W/841/2P/ ALTO 10PK	841	Cool White (CW)	4100 K	83 %

Order Code	Full Product Name	Color Code	Color Designation	Correlated Color Temperature (Nom)	LLMF 6000 h Rated
383216	PL-C 26W/827/2P/ ALTO 10PK	827	Incandescent White	2700 K	83 %
383224	PL-C 26W/830/2P/ ALTO 10PK	830	Warm White (WW)	3000 K	83 %
383232	PL-C 26W/835/2P/ ALTO 10PK	835	White (WH)	3500 K	83 %
383240	PL-C 26W/841/2P/ ALTO 10PK	841	Cool White (CW)	4100 K	83 %

Light technical (2/2)

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
383109	PL-C 13W/827/2P 1CT/ 5X10BOX ALTO	62 lm/W	800 lm	800 lm
383125	PL-C 13W/835/2P 1CT/ 5X10BOX ALTO	61 lm/W	780 lm	780 lm
383133	PL-C 13W/841/2P 1CT/ 5X10BOX ALTO	62 lm/W	800 lm	800 lm
383166	PL-C 18W/827/2P/ ALTO 10PK	67 lm/W	1200 lm	1200 lm
383182	PL-C 18W/835/2P/ ALTO 10PK	67 lm/W	1200 lm	1200 lm

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
383190	PL-C 18W/841/2P/ALTO 10PK	67 lm/W	1200 lm	1200 lm
383216	PL-C 26W/827/2P/ ALTO 10PK	68 lm/W	1800 lm	1800 lm
383224	PL-C 26W/830/2P/ ALTO 10PK	68 lm/W	1800 lm	1800 lm
383232	PL-C 26W/835/2P/ ALTO 10PK	68 lm/W	1800 lm	1800 lm
383240	PL-C 26W/841/2P/ ALTO 10PK	68 lm/W	1800 lm	1800 lm

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