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Hereby we would like to inform you, that our site and also this service will end on December 31st, 2018. Please use the Philips product catalog for family and product pages at www.lighting.philips.com.

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Widest product range in the world!

MASTER PL-T is an efficient compact fluorescent lamp, typically used in general downlights for retail, hospitality and office applications demanding higher lighting levels. The original Philips-invented bridge technology guarantees optimum performance in the application, enabling more light and higher efficacy than the bended technology. The 2-pin version is designed for operation on electromagnetic gear and is provided with a plug-in/pull-out lamp base.

Benefits

- Optimal light performance for short or long operation per switch-on
- Substantially more light (about 15% more) per light point than with other similar shapes
- Multiple light color choice
- Good color rendering (CRI > 80)

Features

- 2-pin base with a housing incorporating the special instant starter and capacitor
- Philips' bridging technology applied
- Fluorescent tri-phosphor technology
- Low light depreciation over lamp life
- Fast light run-up

Environment

- Good environmental choice because of high energy efficiency, long life and low light output depreciation, lowest mercury content
- Compliant with all RoHS and WEEE requirements: the lamps have a very low content of mercury, are lead free and make no use of radioactive materials and hazardous flame retardants

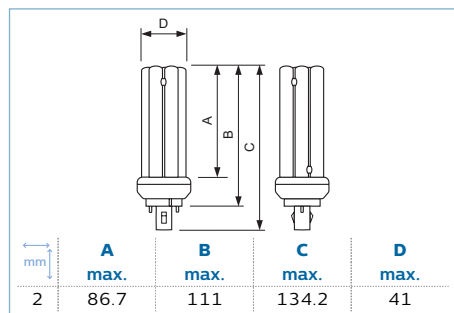
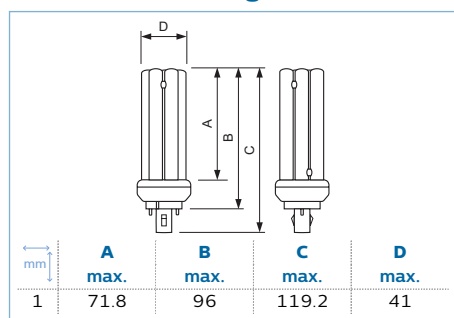
Application

- Designed for general or supplementary lighting in professional and semi-professional environments
- Ideal for use in recessed or surface mounted downlighters, wall units

Warnings and Safety

- Use only with electromagnetic control gear
- Lamp light technical and electrical characteristics are influenced by operating conditions, i. e. lamp ambient temperature and operating position
- Dimming is not possible
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

Dimension Drawing





Product Range



Main Data

MASTER PL-T

Wattage/Light source color/Pins	SAP Packing (Piece)/Pack-aging configuration	Cap-Base	Luminous Flux (Rated)	Life to 50% Failures	Energy Consumption kWh/1000 h			Photo letter	Ordering number 8711500...
			(lm)	(h)	(kWh)				
18W/830/2P	CT / 50	GX24D-2	1,200	10,000	22	B	1	A	61050870
18W/840/2P	CT / 50	GX24D-2	1,200	10,000	22	B	1	A	61061470
26W/830/2P	CT / 50	GX24D-3	1,725	10,000	32	B	2	B	61102470
26W/840/2P	CT / 50	GX24D-3	1,725	10,000	32	B	2	B	61113070

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Electrical data

Commercial product name	Lamp Current (A)	Lamp power (W)
MASTER PL-T 18W/830/2P 1CT/5X10BOX	0.225	18
MASTER PL-T 18W/840/2P 1CT/5X10BOX	0.225	18
MASTER PL-T 26W/830/2P 1CT/5X10BOX	0.335	26
MASTER PL-T 26W/840/2P 1CT/5X10BOX	0.335	26

Lifetime data

Commercial product name	Life To 10% Failures (h)	Life to 50% Failures (h)
MASTER PL-T 18W/830/2P 1CT/5X10BOX	6,500	10,000
MASTER PL-T 18W/840/2P 1CT/5X10BOX	6,500	10,000
MASTER PL-T 26W/830/2P 1CT/5X10BOX	6,500	10,000
MASTER PL-T 26W/840/2P 1CT/5X10BOX	6,500	10,000

Color data

Commercial product name	Colour Rendering Index	Light source color ¹	Color Designation
MASTER PL-T 18W/830/2P 1CT/5X10BOX	>80	830	Warm White (WW)
MASTER PL-T 18W/840/2P 1CT/5X10BOX	82	840	Cool White (CW)
MASTER PL-T 26W/830/2P 1CT/5X10BOX	>80	830	Warm White (WW)
MASTER PL-T 26W/840/2P 1CT/5X10BOX	82	840	Cool White (CW)

¹ 'Light source color' value description(s): '830' = CCT of 3000K, '840' = CCT of 4000K

Luminous flux/efficacy/intensity data

Commercial product name	Luminous Flux (Rated) (lm)	Luminous Flux (lm)
MASTER PL-T 18W/830/2P 1CT/5X10BOX	1,200	1,200
MASTER PL-T 18W/840/2P 1CT/5X10BOX	1,200	1,200
MASTER PL-T 26W/830/2P 1CT/5X10BOX	1,725	1,800
MASTER PL-T 26W/840/2P 1CT/5X10BOX	1,725	1,800


Rated Lumen Maintenance data

Commercial product name	LLMF 2000 h Rated (%)	LLMF 4000 h Rated (%)	LLMF 6000 h Rated (%)	LLMF 8000 h Rated (%)
MASTER PL-T 18W/830/2P 1CT/5X10BOX	92	87	84	81
MASTER PL-T 18W/840/2P 1CT/5X10BOX	92	87	84	81
MASTER PL-T 26W/830/2P 1CT/5X10BOX	92	87	84	81
MASTER PL-T 26W/840/2P 1CT/5X10BOX	92	87	84	81

Temperature data

Commercial product name	Correlated Color Temperature (K)	Design Temperature (°C)	Default Ambient Temperature (°C)
MASTER PL-T 18W/830/2P 1CT/5X10BOX	3,000	28	25
MASTER PL-T 18W/840/2P 1CT/5X10BOX	4,000	28	25
MASTER PL-T 26W/830/2P 1CT/5X10BOX	3,000	28	25
MASTER PL-T 26W/840/2P 1CT/5X10BOX	4,000	28	25

Environmental data & ETIM group & Design Requirements


Commercial product name	Energy Consumption kWh/ 1000 h (kWh)		Mercury (Hg) Content (mg)	ETIM Group ²
MASTER PL-T 18W/830/2P 1CT/5X10BOX	22	B	1.4	EC000087
MASTER PL-T 18W/840/2P 1CT/5X10BOX	22	B	1.4	EC000087
MASTER PL-T 26W/830/2P 1CT/5X10BOX	32	B	1.4	EC000087
MASTER PL-T 26W/840/2P 1CT/5X10BOX	32	B	1.4	EC000087

² 'ETIM Group' value description(s): 'EC000087' = Compact Fluor Lamp Non Integrated

Rated Survival Factor data

Commercial product name	LSF 2000 h Rated (%)	LSF 4000 h Rated (%)	LSF 6000 h Rated (%)	LSF 8000 h Rated (%)
MASTER PL-T 18W/830/2P 1CT/5X10BOX	99	98	92	78
MASTER PL-T 18W/840/2P 1CT/5X10BOX	99	98	92	78
MASTER PL-T 26W/830/2P 1CT/5X10BOX	99	98	92	78
MASTER PL-T 26W/840/2P 1CT/5X10BOX	99	98	92	78

Operating data

Commercial product name	Default Burning Position	Default Gear		Default Cycle Time
MASTER PL-T 18W/830/2P 1CT/5X10BOX	Base up	Electromagnetic	No	3 hour cycle
MASTER PL-T 18W/840/2P 1CT/5X10BOX	Base up	Electromagnetic	No	3 hour cycle
MASTER PL-T 26W/830/2P 1CT/5X10BOX	Base up	Electromagnetic	No	3 hour cycle
MASTER PL-T 26W/840/2P 1CT/5X10BOX	Base up	Electromagnetic	No	3 hour cycle

Miscellaneous & General data

Commercial product name	Cap-Base	Cap-Base Information ³	ILCOS Code
MASTER PL-T 18W/830/2P 1CT/5X10BOX	GX24D-2	2P	FSM-18/30/1B-I-GX24d=2
MASTER PL-T 18W/840/2P 1CT/5X10BOX	GX24D-2	2P	FSM-18/40/1B-I-GX24d=2
MASTER PL-T 26W/830/2P 1CT/5X10BOX	GX24D-3	2P	FSM-26/30/1B-I-GX24d=3
MASTER PL-T 26W/840/2P 1CT/5X10BOX	GX24D-3	2P	FSM-26/40/1B-I-GX24d=3

³ 'Cap-Base Information' value description(s): '2P' = 2 Pins

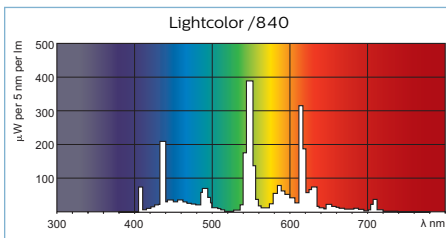
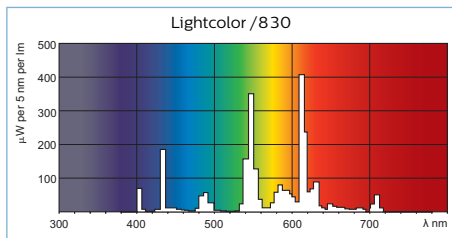
Logistic data

Commercial product name	SAP Packing (Piece)/Packaging configuration ⁴	Numerator - Packs per outer box	Ordering number 8711500...	Material Nr. (12NC) (9279...)	SAP Gross Weight (Piece) (g)	Net Weight (Piece) (g)	EAN-3 8711500...
MASTER PL-T 18W/830/2P 1CT/5X10BOX	CT / 50	50	61050870	14383071	83.272	59	610591
MASTER PL-T 18W/840/2P 1CT/5X10BOX	CT / 50	50	61061470	14384071	83.272	59	610751
MASTER PL-T 26W/830/2P 1CT/5X10BOX	CT / 50	50	61102470	14583071	92.378	66	611109
MASTER PL-T 26W/840/2P 1CT/5X10BOX	CT / 50	50	61113070	14584071	92.378	66	611161

⁴ 'SAP Packing (Piece)/Packaging configuration' value description(s): 'CT / 50' = CARTON

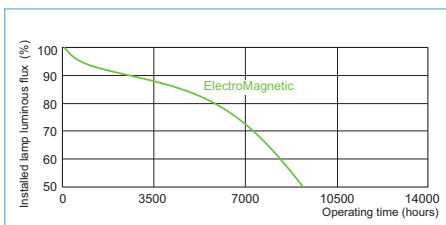
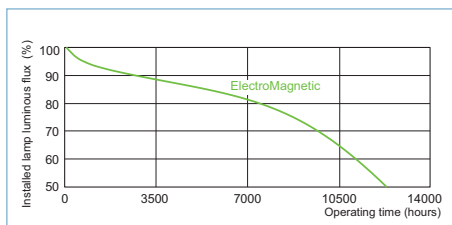
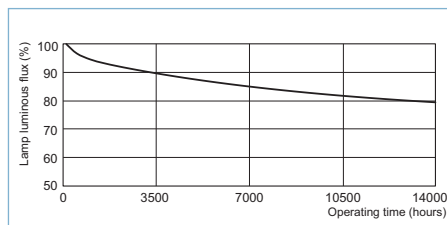
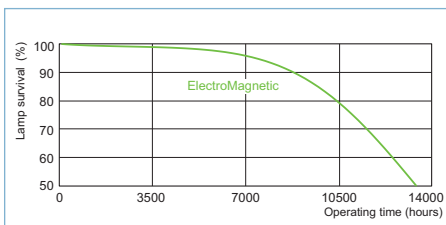
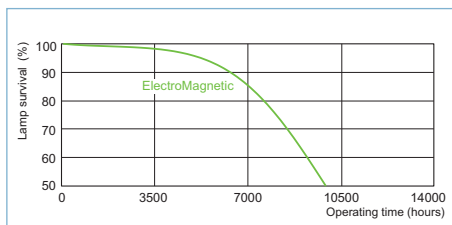


Spectral power distribution

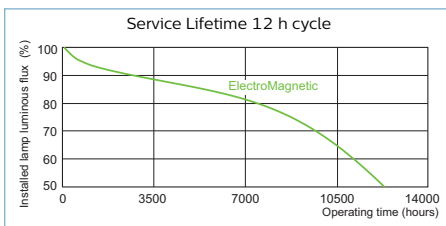
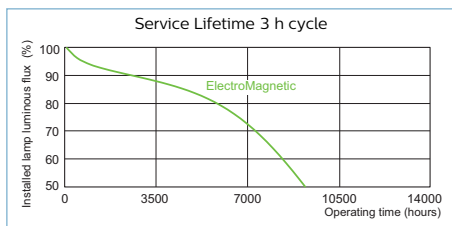
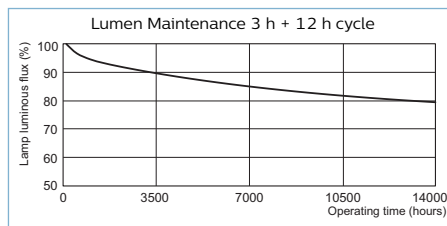
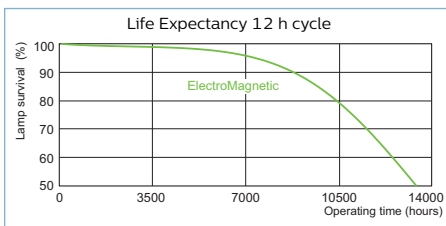
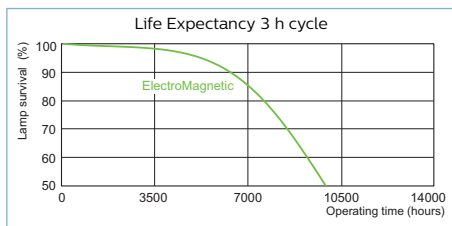


Performance diagrams

218-436-441



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Cap-Base Overview

