

Dear User.

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.

If you received this page via third-party site, please inform their website administrator about this message.



The alternative!

PL-Q is an efficient, square-shaped compact fluorescent lamp, typically used in decorative-lighting luminaires. While offering the advantage of energy-efficient operation, it also provides design freedom for flat ceiling or wall fixtures in particular, due to its low built-in height and uniform spread of light. The 4-pin version is designed for operation on electronic gear.

Benefits

- Low built-in height
- Multiple light color choice
- Good color rendering (CRI > 80)
- Dimming possible down to 10%

Features

- 4-pin base

- Fluorescent tri-phosphor technology

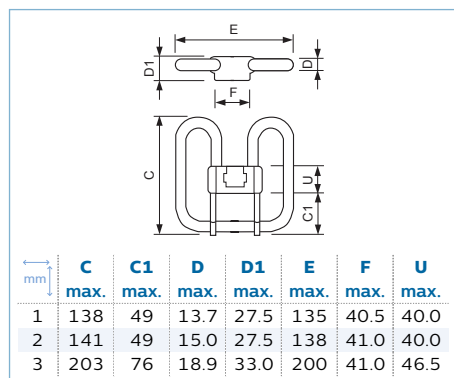
Application

- Ideal for applications such as corridors, toilets, stairwells and reception areas

Warnings and Safety

- Lamp light technical and electrical characteristics are influenced by operating conditions, i. e. lamp ambient temperature and operating position as well as applied HF control gear
- Shorter lamp life when often switching and not well pre-heated electrodes
- 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


PL-Q

Wattage/Light source color/Pins	SAP Packing (Piece)/Packaging configuration	Cap-Base	Luminous Flux (Rated)	Life to 50% Failures Preheat	Energy Consumption kWh/1000 h	mm	Ordering number
			(lm)	(h)	(kWh)		
16W/827/4P	CT / 10	GR10Q	1,050	13,000	18	A 1	871150026988125
16W/830/4P	CT / 10	GR10Q	1,050	13,000	18	A 1	871150026989825
16W/835/4P	CT / 10	GR10Q	1,050	13,000	18	A 1	871150027206525
21W/830/4P	CT / 10		1,400	13,000	23		871869666351600
24.8W/827/4P	CT / 10	GR10Q	2,050	13,000	31	A 3	871150026991125
24.8W/830/4P	CT / 10	GR10Q	2,050	13,000	31	A 3	871150026992825

More data see next page



PL-Q

Wattage/Light source color/Pins	SAP Packing (Piece)/Packaging configuration	Cap-Base	Luminous Flux (Rated)	Life to 50% Failures Preheat	Energy Consumption kWh/1000 h		Ordering number
			(lm)	(h)	(kWh)		
24.8W/835/4P	CT / 10	GR10Q	2,050	13,000	31	A 3	871150026967625
24.8W/840/4P	CT / 10	GR10Q	2,050	13,000	31	A 3	871150026993525
35.5W/827/4P	CT / 10	GR10Q	2,850	13,000	42	A 3	871150027171625
35.5W/830/4P	CT / 10	GR10Q	2,850	12,000	42	A 3	871150027172325
35.5W/835/4P	CT / 10	GR10Q	2,850	13,000	42	A 3	871150027173025
35.5W/840/4P	CT / 10	GR10Q	2,850	13,000	42	A 3	871150027174725

20



Electrical data

Commercial product name	Lamp Current (A)	Lamp power (W)
PL-Q 16W/827/4P 1CT/10BOX	0.195	16.0
PL-Q 16W/830/4P 1CT/10BOX	0.195	16.0
PL-Q 16W/835/4P 1CT/10BOX	0.195	16.0
PL-Q 21W/830/4P 1CT/10 BOX	0.260	21.0
PL-Q 28W/827/4P 1CT/10BOX	0.320	24.8
PL-Q 28W/830/4P 1CT/10BOX	0.320	24.8
PL-Q 28W/835/4P 1CT/10BOX	0.320	24.8
PL-Q 28W/840/4P 1CT/10BOX	0.320	24.8
PL-Q 38W/827/4P 1CT/10BOX	0.430	35.5
PL-Q 38W/830/4P 1CT/10BOX	0.430	35.5
PL-Q 38W/835/4P 1CT/10BOX	0.430	35.5
PL-Q 38W/840/4P 1CT/10BOX	0.430	35.5

Lifetime data

Commercial product name	Life to 10% Failures Non Preheat	Life to 10% Failures Preheat	Life to 50% Failures Non Preheat	Life to 50% Failures Preheat
	(h)	(h)	(h)	(h)
PL-Q 16W/827/4P 1CT/10BOX	4,000	8,000	6,000	13,000
PL-Q 16W/830/4P 1CT/10BOX	4,000	8,000	6,000	13,000
PL-Q 16W/835/4P 1CT/10BOX	4,000	8,000	6,000	13,000
PL-Q 21W/830/4P 1CT/10 BOX	4,000	8,000	6,000	13,000
PL-Q 28W/827/4P 1CT/10BOX	4,000	8,000	6,000	13,000
PL-Q 28W/830/4P 1CT/10BOX	4,000	8,000	6,000	13,000
PL-Q 28W/835/4P 1CT/10BOX	4,000	8,000	6,000	13,000
PL-Q 28W/840/4P 1CT/10BOX	4,000	8,000	6,000	13,000
PL-Q 38W/827/4P 1CT/10BOX	4,000	8,000	6,000	13,000
PL-Q 38W/830/4P 1CT/10BOX	4,000	8,000	6,000	12,000
PL-Q 38W/835/4P 1CT/10BOX	4,000	8,000	6,000	13,000
PL-Q 38W/840/4P 1CT/10BOX	4,000	8,000	6,000	13,000

Wednesday 20th February, 2019

Color data

Commercial product name	Colour Rendering Index	Light source color ¹	Color Designation
PL-Q 16W/827/4P 1CT/10BOX	82	827	Incandescent White
PL-Q 16W/830/4P 1CT/10BOX	82	830	Warm White (WW)
PL-Q 16W/835/4P 1CT/10BOX	82	835	White (WH)
PL-Q 21W/830/4P 1CT/10 BOX	82	830	Warm White (WW)
PL-Q 28W/827/4P 1CT/10BOX	82	827	Incandescent White
PL-Q 28W/830/4P 1CT/10BOX	82	830	Warm White (WW)
PL-Q 28W/835/4P 1CT/10BOX	82	835	White (WH)
PL-Q 28W/840/4P 1CT/10BOX	82	840	Cool White (CW)
PL-Q 38W/827/4P 1CT/10BOX	82	827	Incandescent White
PL-Q 38W/830/4P 1CT/10BOX	82	830	Warm White (WW)
PL-Q 38W/835/4P 1CT/10BOX	82	835	White (WH)
PL-Q 38W/840/4P 1CT/10BOX	82	840	Cool White (CW)

¹ 'Light source color' value description(s): '827' = CCT of 2700K, '830' = CCT of 3000K, '835' = CCT of 3500K, '840' = CCT of 4000K

Luminous flux/efficacy/intensity data

Commercial product name	Luminous Flux (Rated) (lm)	Luminous Flux (lm)	Luminous Efficacy (Rated) (lm/W)
PL-Q 16W/827/4P 1CT/10BOX	1,050	1,050	66.6
PL-Q 16W/830/4P 1CT/10BOX	1,050	1,050	66.6
PL-Q 16W/835/4P 1CT/10BOX	1,050	1,050	66.6
PL-Q 21W/830/4P 1CT/10 BOX	1,400	1,400	66.6
PL-Q 28W/827/4P 1CT/10BOX	2,050	2,050	73.2
PL-Q 28W/830/4P 1CT/10BOX	2,050	2,050	73.2
PL-Q 28W/835/4P 1CT/10BOX	2,050	2,050	73.2
PL-Q 28W/840/4P 1CT/10BOX	2,050	2,050	73.2
PL-Q 38W/827/4P 1CT/10BOX	2,850	2,850	75.0
PL-Q 38W/830/4P 1CT/10BOX	2,850	2,850	75.0
PL-Q 38W/835/4P 1CT/10BOX	2,850	2,850	75.0
PL-Q 38W/840/4P 1CT/10BOX	2,850	2,850	75.0



Rated Lumen Maintenance data


Commercial product name	LLMF 2000 h Rated (%)	LLMF 4000 h Rated (%)	LLMF 6000 h Rated (%)	LLMF 8000 h Rated (%)	LLMF 12000 h Rated (%)	LLMF 16000 h Rated (%)	LLMF 20000 h Rated (%)
PL-Q 16W/827/4P 1CT/10BOX	90	86	83	80	79	78	78
PL-Q 16W/830/4P 1CT/10BOX	90	83	78	80	69		
PL-Q 16W/835/4P 1CT/10BOX	90	86	83	80	79	78	78
PL-Q 21W/830/4P 1CT/10 BOX	90	83	78	80	69		
PL-Q 28W/827/4P 1CT/10BOX	90	86	83	80	79	78	78
PL-Q 28W/830/4P 1CT/10BOX	90	86	83	80	79	78	78
PL-Q 28W/835/4P 1CT/10BOX	90	86	83	80	79	78	78
PL-Q 28W/840/4P 1CT/10BOX	90	86	83	80	79	78	78
PL-Q 38W/827/4P 1CT/10BOX	90	86	83	80	79	78	78
PL-Q 38W/830/4P 1CT/10BOX	90	86	83	80	79	78	78
PL-Q 38W/835/4P 1CT/10BOX	90	86	83	80	79	78	78
PL-Q 38W/840/4P 1CT/10BOX	90	86	83	80	79	78	78

Temperature data


Commercial product name	Correlated Color Temperature (K)	Design Temperature (°C)	Default Ambient Temperature (°C)
PL-Q 16W/827/4P 1CT/10BOX	2,700	25	25
PL-Q 16W/830/4P 1CT/10BOX	3,000	25	25
PL-Q 16W/835/4P 1CT/10BOX	3,500	25	25
PL-Q 21W/830/4P 1CT/10 BOX	3,000	25	25
PL-Q 28W/827/4P 1CT/10BOX	2,700	25	25
PL-Q 28W/830/4P 1CT/10BOX	3,000	25	25
PL-Q 28W/835/4P 1CT/10BOX	3,500	25	25
PL-Q 28W/840/4P 1CT/10BOX	4,000	25	25
PL-Q 38W/827/4P 1CT/10BOX	2,700	25	25
PL-Q 38W/830/4P 1CT/10BOX	3,000	25	25
PL-Q 38W/835/4P 1CT/10BOX	3,500	25	25
PL-Q 38W/840/4P 1CT/10BOX	4,000	25	25

Wednesday 20th February, 2019

Environmental data & ETIM group & Design Requirements

Commercial product name	Energy Consumption kWh/1000 h (kWh)		Mercury (Hg) Content (mg)	Mercury (Hg) Content (mg [max.])	ETIM Group ²
PL-Q 16W/827/4P 1CT/10BOX	18	A	4		EC000087
PL-Q 16W/830/4P 1CT/10BOX	18	A	4		EC000087
PL-Q 16W/835/4P 1CT/10BOX	18	A	4		EC000087
PL-Q 21W/830/4P 1CT/10 BOX	23			3	
PL-Q 28W/827/4P 1CT/10BOX	31	A	4		EC000087
PL-Q 28W/830/4P 1CT/10BOX	31	A	4		EC000087
PL-Q 28W/835/4P 1CT/10BOX	31	A	4		EC000087
PL-Q 28W/840/4P 1CT/10BOX	31	A	4		EC000087

More data see next page


Commercial product name	Energy Consumption kWh/1000 h (kWh)		Mercury (Hg) Content		ETIM Group ²
			(mg)	(mg [max.])	
PL-Q 38W/827/4P 1CT/10BOX	42	A	4		EC000087
PL-Q 38W/830/4P 1CT/10BOX	42	A	4		EC000087
PL-Q 38W/835/4P 1CT/10BOX	42	A	4		EC000087
PL-Q 38W/840/4P 1CT/10BOX	42	A	4		EC000087

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

Rated Survival Factor data

Commercial product name	LSF Preheat 2000 h Rated	LSF Preheat 4000 h Rated	LSF Preheat 6000 h Rated	LSF Preheat 8000 h Rated	LSF Preheat 12000 h Rated	LSF Preheat 16000 h Rated	LSF Preheat 20000 h Rated
	(%)	(%)	(%)	(%)	(%)	(%)	(%)
PL-Q 16W/827/4P 1CT/10BOX	99	98	95	89	60	22	4
PL-Q 16W/830/4P 1CT/10BOX	99	98	95	89	60	22	4
PL-Q 16W/835/4P 1CT/10BOX	99	98	95	89	60	22	4
PL-Q 21W/830/4P 1CT/10 BOX	99	98	95	89	60	22	4
PL-Q 28W/827/4P 1CT/10BOX	99	98	95	89	60	22	4
PL-Q 28W/830/4P 1CT/10BOX	99	98	95	89	60	22	4
PL-Q 28W/835/4P 1CT/10BOX	99	98	95	89	60	22	4
PL-Q 28W/840/4P 1CT/10BOX	99	98	95	89	60	22	4
PL-Q 38W/827/4P 1CT/10BOX	99	98	95	89	60	22	4
PL-Q 38W/830/4P 1CT/10BOX	99	98	95	89	60	22	4
PL-Q 38W/835/4P 1CT/10BOX	99	98	95	89	60	22	4
PL-Q 38W/840/4P 1CT/10BOX	99	98	95	89	60	22	4

Operating data

Commercial product name	Default Burning Position	Default Gear		Default Cycle Time
			Yes	
PL-Q 16W/827/4P 1CT/10BOX	Horizontal	Electronic	Yes	3 hour cycle
PL-Q 16W/830/4P 1CT/10BOX	Horizontal	Electronic	Yes	3 hour cycle
PL-Q 16W/835/4P 1CT/10BOX	Horizontal	Electronic	Yes	3 hour cycle
PL-Q 21W/830/4P 1CT/10 BOX	Horizontal	Electronic	Yes	3 hour cycle
PL-Q 28W/827/4P 1CT/10BOX	Horizontal	Electronic	Yes	3 hour cycle
PL-Q 28W/830/4P 1CT/10BOX	Horizontal	Electronic	Yes	3 hour cycle
PL-Q 28W/835/4P 1CT/10BOX	Horizontal	Electronic	Yes	3 hour cycle
PL-Q 28W/840/4P 1CT/10BOX	Horizontal	Electronic	Yes	3 hour cycle
PL-Q 38W/827/4P 1CT/10BOX	Horizontal	Electronic	Yes	3 hour cycle
PL-Q 38W/830/4P 1CT/10BOX	Horizontal	Electronic	Yes	3 hour cycle
PL-Q 38W/835/4P 1CT/10BOX	Horizontal	Electronic	Yes	3 hour cycle
PL-Q 38W/840/4P 1CT/10BOX	Horizontal	Electronic	Yes	3 hour cycle

Miscellaneous & General data

Commercial product name	Cap-Base	Cap-Base Information ³	ILCOS Code
PL-Q 16W/827/4P 1CT/10BOX	GR10Q	4P	FSS-16/27/1B-E-GR10q
PL-Q 16W/830/4P 1CT/10BOX	GR10Q	4P	FSS-16/30/1B-E-GR10q
PL-Q 16W/835/4P 1CT/10BOX	GR10Q	4P	FSS-16/35/1B-E-GR10q
PL-Q 21W/830/4P 1CT/10 BOX		4P	
PL-Q 28W/827/4P 1CT/10BOX	GR10Q	4P	FSS-28/27/1B-E-GR10q
PL-Q 28W/830/4P 1CT/10BOX	GR10Q	4P	FSS-28/30/1B-E-GR10q
PL-Q 28W/835/4P 1CT/10BOX	GR10Q	4P	FSS-28/35/1B-E-GR10q
PL-Q 28W/840/4P 1CT/10BOX	GR10Q	4P	FSS-28/40/1B-E-GR10q
PL-Q 38W/827/4P 1CT/10BOX	GR10Q	4P	FSS-38/27/1B-E-GR10q
PL-Q 38W/830/4P 1CT/10BOX	GR10Q	4P	FSS-38/30/1B-E-GR10q
PL-Q 38W/835/4P 1CT/10BOX	GR10Q	4P	FSS-38/35/1B-E-GR10q
PL-Q 38W/840/4P 1CT/10BOX	GR10Q	4P	FSS-38/40/1B-E-GR10q

³ 'Cap-Base Information' value description(s): '4P' = 4 Pins



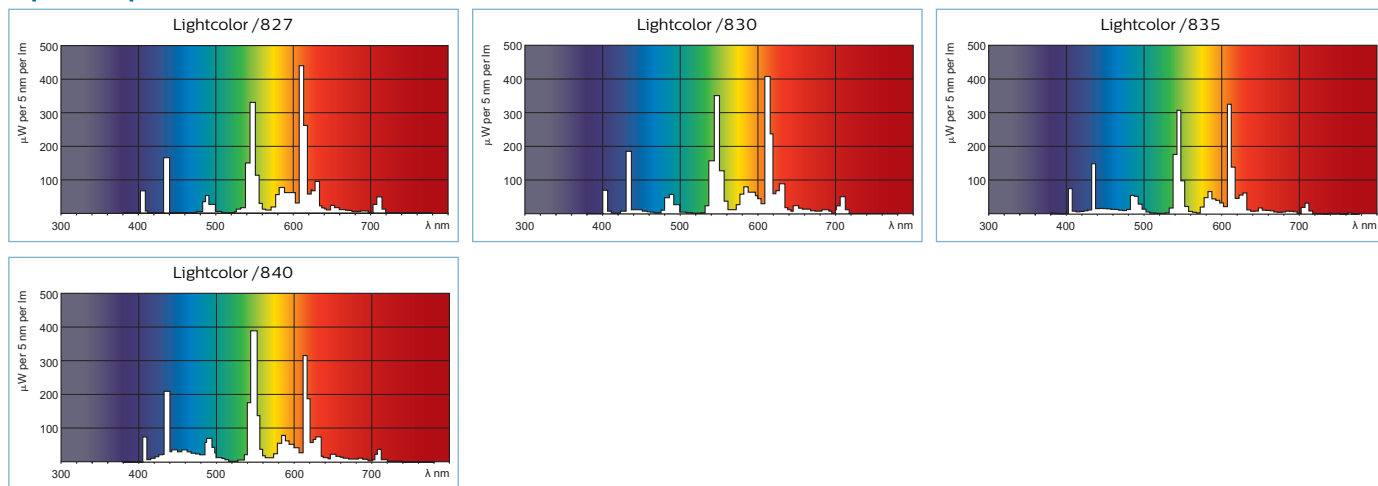
Logistic data

Commercial product name	SAP Packing (Piece)/Packaging configuration ⁴	Numerator - Packs per outer box	Ordering number	Material Nr. (12NC)	SAP Gross Weight (Piece)	Net Weight (Piece)	EAN-3
				(9279...)	(g)	(g)	
PL-Q 16W/827/4P 1CT/10BOX	CT / 10	10	871150026988125	39182740	105.5	68	8711500270023
PL-Q 16W/830/4P 1CT/10BOX	CT / 10	10	871150026989825	39183040	105.5	68	8711500270030
PL-Q 16W/835/4P 1CT/10BOX	CT / 10	10	871150027206525	39183540	105.5	68	8711500270047
PL-Q 21W/830/4P 1CT/10 BOX	CT / 10	10	871869666351600	38383040	105.5	68	8718696663523
PL-Q 28W/827/4P 1CT/10BOX	CT / 10	10	871150026991125	39382740	224.0	127	8711500270054
PL-Q 28W/830/4P 1CT/10BOX	CT / 10	10	871150026992825	39383040	224.0	127	8711500270061
PL-Q 28W/835/4P 1CT/10BOX	CT / 10	10	871150026967625	39383540	224.0	127	8711500269027
PL-Q 28W/840/4P 1CT/10BOX	CT / 10	10	871150026993525	39384040	224.0	127	8711500270078
PL-Q 38W/827/4P 1CT/10BOX	CT / 10	10	871150027171625	39482740	236.0	129	8711500271631
PL-Q 38W/830/4P 1CT/10BOX	CT / 10	10	871150027172325	39483040	236.0	129	8711500271648
PL-Q 38W/835/4P 1CT/10BOX	CT / 10	10	871150027173025	39483540	236.0	129	8711500271655
PL-Q 38W/840/4P 1CT/10BOX	CT / 10	10	871150027174725	39484040	236.0	129	8711500271662

⁴ 'SAP Packing (Piece)/Packaging configuration' value description(s): 'CT / 10' = CARTON

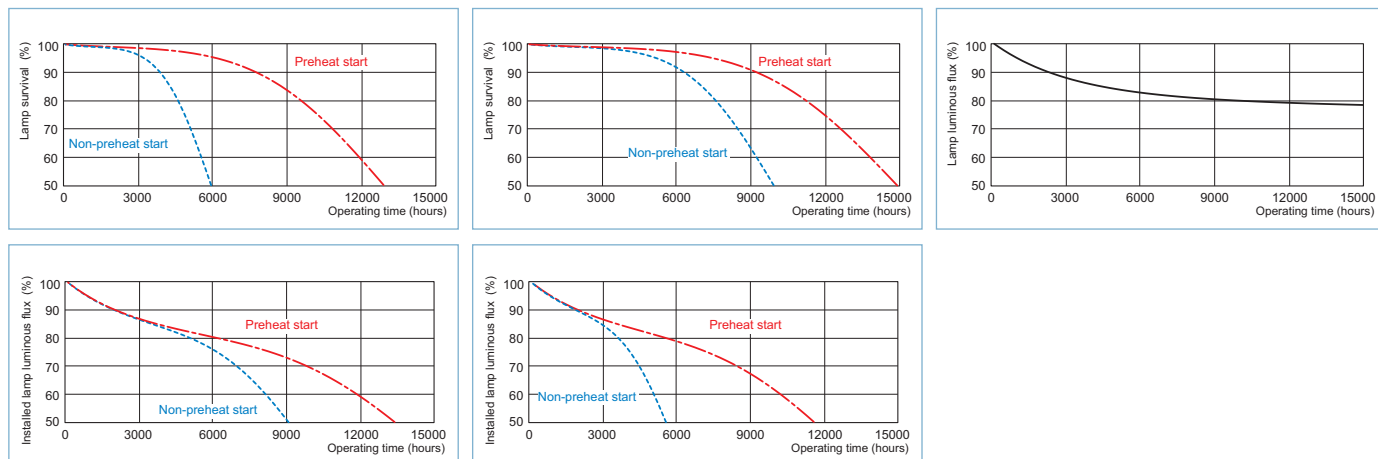


Spectral power distribution



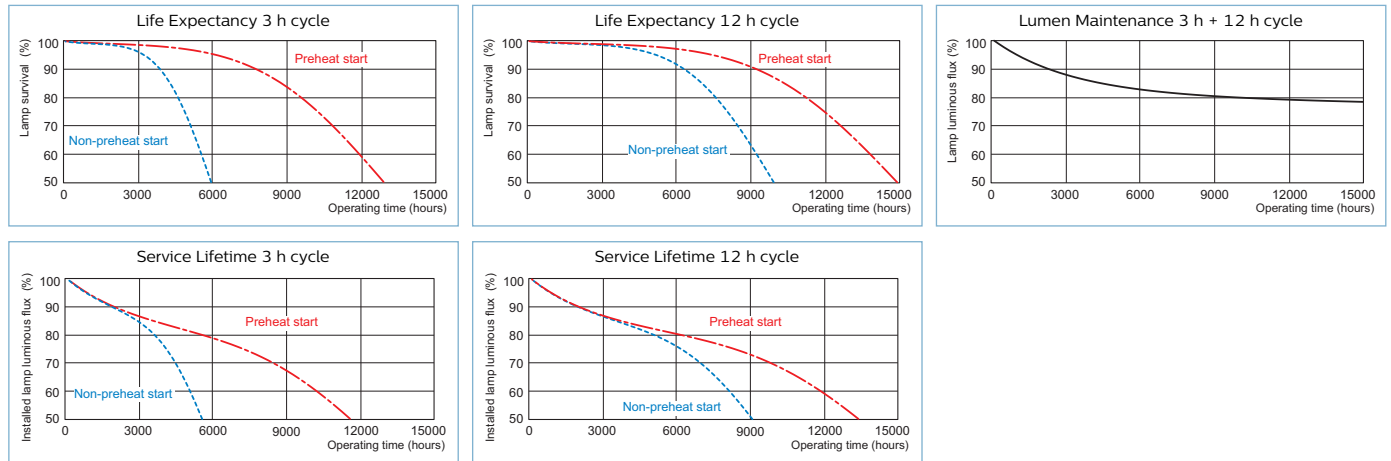
Performance diagrams

7309-7311-7312-7313-7314-7315-7316-7317-7318-7319-7320



Wednesday 20th February, 2019

16732



Cap-Base Overview

