

# PHILIPS

LED

InstantFit lamps



## This is **real compatibility**

Other lamps claim compatibility, but only InstantFit has been proven to work with over 350 ballasts and drivers delivering even light output, proven energy savings and a long average lifetime. That's true compatibility.

- **InstantFit works with over 350 ballasts and drivers**— more than any other lamp — so you know it's going to perform as expected and keep you from having to redo any jobs
- **Proven over 40% energy savings<sup>2</sup>** over fluorescent means continual payback for the life of the product
- **Lifetime delivered** — average life rating of 50,000 hours<sup>3</sup>, with up to 70,000 hours<sup>3</sup> available
- **Shatter prevention**— unlike competitors' coated glass lamps, our polycarbonate lamps prevent breakage, not just contain the shattered glass
- **Light quality and performance predictability**— consistent light output and no flicker means satisfied delighted customers
- **Proven product history** and a company with a long history of innovation and reliability in the lighting industry
- **No perceivable flicker<sup>12</sup>** for all InstantFit lamps

# Philips InstantFit LED lamps

## Ordering, electrical and technical data (Subject to change without notice)

Product Number	Granger Number	DLC Model Number	Product Description	Lamp Watts <sup>3</sup>	Base	CRI	Color Temp. (K)	LED Lifetime <sup>4</sup>	Lumens	Beam	Lamp Material	UL Type	DLC Product ID <sup>8</sup>	Lamps per Case (Pallet)
<b>2-FT T8 MasterClass</b>														
541813	52ZX59	9290019869	7T8/MAS/24-830/IF10/P 10/1	7	G13	82	3000	70,000	1050	180°	Plastic	A, C	PEVGCYR3	10 (2380)
541821	52ZX60	9290019870	7T8/MAS/24-835/IF10/P 10/1	7	G13	82	3500	70,000	1050	180°	Plastic	A, C	PCFWLD63	10 (2380)
541839	52ZX61	9290019871	7T8/MAS/24-840/IF11/P 10/1	7	G13	82	4000	70,000	1150	180°	Plastic	A, C	P451IONS	10 (2380)
541847	52ZX62	9290019872	7T8/MAS/24-850/IF11/P 10/1	7	G13	82	5000	70,000	1150	180°	Plastic	A, C	PA8KOGZ6	10 (2380)
<b>3-FT T8 MasterClass</b>														
539858	539858	9290019675	8.5T8/MAS/36-830/IF13/P 10/1	8.5	G13	82	3000	70,000	1300	180°	Plastic	A, C	PVZ2OQ5G	10 (1530)
539866	539866	9290019679	8.5T8/MAS/36-835/IF13/P 10/1	8.5	G13	82	3500	70,000	1300	180°	Plastic	A, C	PUB5CRL0	10 (1530)
539874	539874	9290019676	8.5T8/MAS/36-840/IF14/P 10/1	8.5	G13	82	4000	70,000	1400	180°	Plastic	A, C	PSUO03VV	10 (1530)
539882	539882	9290019677	8.5T8/MAS/36-850/IF14/P 10/1	8.5	G13	82	5000	70,000	1400	180°	Plastic	A, C	PQMBVBD4	10 (1530)
<b>4-FT T8 Energy Advantage MasterClass</b>														
● 469569	52ZX63	9290011239C	10T8/48-3000 IF 10/1 TAA/NAFTA	10	G13	82	3000	50,000	1500	160°	Plastic	A, C	PEI14CJW	10 (600)
● 469577	52ZX64	9290011240C	10T8/48-3500 IF 10/1 TAA/NAFTA	10	G13	82	3500	50,000	1500	160°	Plastic	A, C	PCY5A5J7	10 (600)
● 469585	52ZX65	9290011241C	10T8/48-4000 IF 10/1 TAA/NAFTA	10	G13	82	4000	50,000	1600	160°	Plastic	A, C	PES681F4	10 (600)
● 469593	52ZX66	9290011242C	10T8/48-5000 IF 10/1 TAA/NAFTA	10	G13	82	5000	50,000	1600	160°	Plastic	A, C	PICQAFXR	10 (600)
473974	406T70	9290013972	10T8 LED/48-3000 IF 1PK 10/1	10	G13	82	3000	70,000	1500	180°	Plastic	A, C	PBTPM8N8 <sup>11</sup>	10 (1190)
473982	406T71	9290013973	10T8 LED/48-3500 IF 1PK 10/1	10	G13	82	3500	70,000	1500	180°	Plastic	A, C	PNQDNQ8A	10 (1190)
473990	406T72	9290013974	10T8 LED/48-4000 IF 1PK 10/1	10	G13	82	4000	70,000	1600	180°	Plastic	A, C	PZSHH318	10 (1190)
474007	406T73	9290013975	10T8 LED/48-5000 IF 1PK 10/1	10	G13	82	5000	70,000	1600	180°	Plastic	A, C	PN4911BT	10 (1190)
540807	Sourcing	9290013974	10T8/PER/48-840/IF16/P 25/1	10	G13	82	4000	70,000	1600	180°	Plastic	A, C	PZSHH318	25 (1400)
<b>4-FT T8 Energy Advantage CorePro</b>														
553214	Sourcing	9290022527	10T8/COR/48-830/IF15/G 10/1	10	G13	80	3000	50,000	1500	240°	Glass	A, C	Not DLC	10 (600)
553222	Sourcing	9290022528	10T8/COR/48-835/IF15/G 10/1	10	G13	80	3500	50,000	1500	240°	Glass	A, C	Not DLC	10 (600)
553230	Sourcing	9290019917	10T8/COR/48-840/IF16/G 10/1	10	G13	80	4000	50,000	1500	240°	Glass	A, C	PJJX910Z	10 (600)
541986	Sourcing	9290019917	10T8/COR/48-840/IF16/G 25/1	10	G13	82	4000	50,000	1600	240°	Glass	A, C	PJJX910Z	25 (900)
553248	Sourcing	9290019918	10T8/COR/48-850/IF16/G 10/1	10	G13	80	5000	50,000	1500	240°	Glass	A, C	PONVK2RH	10 (600)
541994	Sourcing	9290019918	10T8/COR/48-850/IF16/G 25/1	10	G13	82	5000	50,000	1600	240°	Glass	A, C	PONVK2RH	25 (900)
<b>4-FT T8 Energy Advantage CorePro</b>														
x 530469	Sourcing	9290018660	12T8/PRO/48-830/IF17/G 10/1 FB	12	G13	82	3000	50,000	1700	240°	Glass	A, C	PRRG5CTH	10 (650)
x 530477	Sourcing	9290018661	12T8/PRO/48-835/IF17/G 10/1 FB	12	G13	82	3500	50,000	1700	240°	Glass	A, C	P9ZCH9LL	10 (650)
x 530485	Sourcing	9290018662	12T8/PRO/48-840/IF18/G 10/1 FB	12	G13	82	4000	50,000	1800	240°	Glass	A, C	PIAVUPWL	10 (650)
x 530493	Sourcing	9290018663	12T8/PRO/48-850/IF18/G 10/1 FB	12	G13	82	5000	50,000	1800	240°	Glass	A, C	PSDP6ZG1	10 (650)
<b>4-FT T8 CorePro</b>														
542084	Sourcing	9290019606	16T8/LED/48-840/IF18/G 25/1	16	G13	80	4000	36,000	1800	240°	Glass	A	Not DLC	10 (650)
542092	Sourcing	9290019607	16T8/LED/48-850/IF18/G 25/1	16	G13	80	5000	36,000	1800	240°	Glass	A	Not DLC	10 (650)
<b>4-FT T8 High Output MasterClass</b>														
⊙ 468652	Sourcing	9290013033	14T8/48-3000 IF 10/1 ROT	14	G13	82	3000	50,000	2000	160°	Plastic	A, C	PIZ3VUZP	10 (1120)
⊙ 468660	Sourcing	9290013034	14T8/48-3500 IF 10/1 ROT	14	G13	82	3500	50,000	2000	160°	Plastic	A, C	PMRXXKRUT	10 (1120)
⊙ 468678	Sourcing	9290013035	14T8/48-4000 IF 10/1 ROT	14	G13	82	4000	50,000	2100	160°	Plastic	A, C	P2R73QWZ	10 (1120)
⊙ 468686	Sourcing	9290013036	14T8/48-5000 IF 10/1 ROT	14	G13	82	5000	50,000	2100	160°	Plastic	A, C	PQ2TMYAQ	10 (1120)
● 469601	52ZX67	9290011585C	14T8/48-3000 IF 10/1 DIM TAA/NAFTA	14	G13	82	3000	50,000	2100	160°	Plastic	A, C	PIG64T6Q	10 (600)
● 469619	52ZX68	9290011586C	14T8/48-3500 IF 10/1 DIM TAA/NAFTA	14	G13	82	3500	50,000	2100	160°	Plastic	A, C	P5R4PGPD	10 (600)
● 469627	52ZX69	9290011587C	14T8/48-4000 IF 10/1 DIM TAA/NAFTA	14	G13	82	4000	50,000	2100	160°	Plastic	A, C	PFWPMJNV	10 (600)
● 469635	52ZX70	9290011588C	14T8/48-5000 IF 10/1 DIM TAA/NAFTA	14	G13	82	5000	50,000	2100	160°	Plastic	A, C	P9RG41WJ	10 (600)
473926	406T74	9290013976A	13T8/MAS/48-830/IF20/P/DIM 10/1	13	G13	80	3000	70,000	2000	180°	Plastic	A, C	P4NOXYLX	10 (1190)
473934	406T75	9290013977A	13T8/MAS/48-835/IF20/P/DIM 10/1	13	G13	80	3500	70,000	2000	180°	Plastic	A, C	PNKEQNTTE	10 (1190)
473942	406T76	9290013978B	13T8/MAS/48-840/IF21/P/DIM 10/1	13	G13	80	4000	70,000	2100	180°	Plastic	A, C	PPSOM8AQ	10 (1190)
540799	Sourcing	9290013978B	13T8/MAS/48-840/IF21/P/DIM 25/1	13	G13	80	4000	70,000	2100	180°	Plastic	A, C	PPSOM8AQ	25 (1400)
473958	406T77	9290013979A	13T8/MAS/48-850/IF21/P/DIM 10/1	13	G13	80	5000	70,000	2100	180°	Plastic	A, C	PY4PF7KV	10 (1190)
<b>4-FT T8 High Output CorePro</b>														
470096	406T66	9290013430A	14T8/PRO/48-830/IF20/G 10/1 FB	14	G13	82	3000	50,000	2000	240°	Glass	A, C	P8JMV6DL	10 (650)
470104	406T67	9290013431A	14T8/PRO/48-835/IF20/G 10/1 FB	14	G13	82	3500	50,000	2000	240°	Glass	A, C	PBC11GJ1	10 (650)
470112	406T68	9290013432A	14T8/PRO/48-840/IF21/G 10/1 FB	14	G13	82	4000	50,000	2100	240°	Glass	A, C	PQJR24AE	10 (650)
537803	406T68	9290013432A	14T8/PRO/48-840/IF21/G 10/1	14	G13	82	4000	50,000	2100	240°	Glass	A, C	PQJR24AE	10 (440)
470120	406T69	9290013433A	14T8/PRO/48-850/IF21/G 10/1 FB	14	G13	82	5000	50,000	2100	240°	Glass	A, C	P8JMV6DL	10 (650)
<b>4-FT T8 Ultra High Output MasterClass</b>														
533372	54XY54	9290020163	15.5T8/MAS/48-835/IF24/P 25/1	15.5	G13	82	3500	70,000	2400	240°	Plastic	A, C	P51ZCP75	25 (1400)
545194	54XY55	9290020164	15.5T8/MAS/48-840/IF25/P 25/1	15.5	G13	82	4000	70,000	2500	240°	Plastic	A, C	PCYKWJSI	25 (1120)
545200	54XY56	9290020165	15.5T8/MAS/48-850/IF25/P 25/1	15.5	G13	82	5000	70,000	2500	240°	Plastic	A, C	POHKOY9Y	25 (1400)
<b>8-FT T8 MasterClass</b>														
469247	53UG84	9290013078	35T8/96-3500 IF FA8 10/1	35	FA8	82	3500	50,000	4000	180°	Plastic	A	Not DLC	10 (300)
469254	53UG85	9290013146	35T8/96-4000 IF FA8 10/1	35	FA8	82	4000	50,000	4200	180°	Plastic	A	Not DLC	10 (300)

# Philips InstantFit LED lamps

## Ordering, electrical and technical data continued (Subject to change without notice)

Product Number	Grainger Number	DLC Model Number	Product Description	Lamp Watts	Base	CRI	Color Temp. (K)	LED Lifetime <sup>4</sup>	Lumens	Beam	Lamp Material	UL Type	DLC Product ID <sup>8</sup>	Lamps per Case (Pallet)
<b>8-FT T8 CorePro</b>														
533000	Sourcing	9290018971	30T8/PER/96-830/IF42/P/FA8 10/1	30	FA8	82	3000	50,000	4200	240°	Glass	A	PV518TZI	10 (400)
533018	Sourcing	9290018972	30T8/PER/96-835/IF42/P/FA8 10/1	30	FA8	82	3500	50,000	4200	240°	Glass	A	PZKP0TXO	10 (400)
533026	494F13	9290018973	30T8/PER/96-840/IF42/P/FA8 10/1	30	FA8	82	4000	50,000	4200	240°	Glass	A	P73Q3PKC	10 (400)
533034	494F14	9290018974	30T8/PER/96-850/IF42/P/FA8 10/1	30	FA8	82	5000	50,000	4200	240°	Glass	A	PRG5ZZ3R	10 (400)
<b>U-bend T8 High Output MasterClass</b>														
541854	53YZ39	9290019874	13T8-6U/MAS/24-830/IF20/P 10/1	13	G13	82	3000	70,000	2000	180°	Plastic	A, C	P4LG6FAR	10 (400)
541862	53YZ40	9290019875	13T8-6U/MAS/24-835/IF20/P 10/1	13	G13	82	3500	70,000	2000	180°	Plastic	A, C	PCBI697X	10 (400)
541870	53YZ41	9290019876	13T8-6U/MAS/24-840/IF21/P 10/1	13	G13	82	4000	70,000	2100	180°	Plastic	A, C	PQJQXE4Q	10 (400)
541888	53YZ42	9290019877	13T8-6U/MAS/24-850/IF21/P 10/1	13	G13	82	5000	70,000	2100	180°	Plastic	A, C	PXIK4NU7	10 (400)

## Philips InstantFit LED T8 electro magnetic compatible lamps

Product Number	Grainger Number	DLC Model Number	Product Description	Lamp Watts	Base	CRI	Color Temp. (K)	LED Lifetime <sup>4</sup>	Lumens	Beam	Lamp Material	UL Type	DLC Product ID <sup>8</sup>	Lamps per Case (Pallet)
<b>4-FT T8 (EM + HF Ballast Compatible)<sup>5,10</sup></b>														
539972	Sourcing	9290019659	16T8/LED/48-840/UF18/G 10/1	16	G13	82	4000	36,000	1800	240°	Glass	A (HF+EM) <sup>10</sup>	Not DLC	10 (650)
539980	Sourcing	9290019660	16T8/LED/48-850/UF18/G 10/1	16	G13	82	5000	36,000	1800	240°	Glass	A (HF+EM) <sup>10</sup>	Not DLC	10 (650)

# Philips InstantFit LED lamps

## Ballast technical data (Subject to change without notice)

Product Number	Product Description	Bare Lamp Watts (W)	Average System Watts (W) <sup>7</sup>			Initial Lumens <sup>6</sup>		
			Low Ballast Factor (0.78)	Normal Ballast Factor (0.88)	High Ballast Factor (1.18)	Low Ballast Factor (0.78)	Normal Ballast Factor (0.88)	High Ballast Factor (1.18)
<b>2-FT T8 MasterClass</b>								
541813	7T8/MAS/24-830/IF10/P 10/1	7	8.5	9.5	13.5	950	1050	1200
541821	7T8/MAS/24-835/IF10/P 10/1	7	8.5	9.5	13.5	950	1050	1200
541839	7T8/MAS/24-840/IF11/P 10/1	7	8.5	9.5	13.5	1050	1150	1300
541847	7T8/MAS/24-850/IF11/P 10/1	7	8.5	9.5	13.5	1050	1150	1300
<b>3-FT T8 MasterClass</b>								
539858	8.5T8/MAS/36-830/IF13/P 10/1	8.5	10.0	11.5	15.0	1100	1300	1500
539866	8.5T8/MAS/36-835/IF13/P 10/1	8.5	10.0	11.5	15.0	1200	1400	1600
539874	8.5T8/MAS/36-840/IF14/P 10/1	8.5	10.0	11.5	15.0	1100	1300	1500
539882	8.5T8/MAS/36-850/IF14/P 10/1	8.5	10.0	11.5	15.0	1200	1400	1600
<b>4-FT T8 Energy Advantage MasterClass</b>								
● 469569	10T8/48-3000 IF 10/1 TAA/NAFTA	10	11.0	13.0	16.0	1300	1500	1700
● 469577	10T8/48-3500 IF 10/1 TAA/NAFTA	10	11.0	13.0	16.0	1300	1500	1800
● 469585	10T8/48-4000 IF 10/1 TAA/NAFTA	10	11.0	13.0	16.0	1400	1600	1850
● 469593	10T8/48-5000 IF 10/1 TAA/NAFTA	10	11.0	13.0	16.0	1400	1600	1850
473974	10T8 LED/48-3000 IF 1PK 10/1	10	11.0	13.0	16.0	1300	1500	1800
473982	10T8 LED/48-3500 IF 1PK 10/1	10	11.0	13.0	16.0	1400	1600	1850
473990	10T8 LED/48-4000 IF 1PK 10/1	10	11.0	13.0	16.0	1400	1600	1850
474007	10T8 LED/48-5000 IF 1PK 10/1	10	11.0	13.0	16.0	1200	1400	1600
540807	10T8/PER/48-840/IF16/P 25/1	10	11.0	13.0	16.0	1400	1600	1850
<b>4-FT T8 Energy Advantage CorePro</b>								
541986	10T8/COR/48-840/IF16/G 25/1	10	12.0	13.0	17.5	1450	1600	2100
541994	10T8/COR/48-850/IF16/G 25/1	10	12.0	13.0	17.5	1450	1600	2100
553214	10T8/COR/48-830/IF15/G 10/1	10	12	13	17.5	1300	1500	1700
553222	10T8/COR/48-835/IF15/G 10/1	10	12	13	17.5	1300	1500	1800
553230	10T8/COR/48-840/IF16/G 10/1	10	12	13	17.5	1450	1600	2100
553248	10T8/COR/48-850/IF16/G 10/1	10	12	13	17.5	1450	1600	2100
<b>4-FT T8 Energy Advantage CorePro</b>								
x 530469	12T8/PRO/48-830/IF17/G 10/1 FB	12	12.0	15.0	17.5	1350	1700	1950
x 530477	12T8/PRO/48-835/IF17/G 10/1 FB	12	12.0	15.0	17.5	1350	1700	1950
x 530485	12T8/PRO/48-840/IF18/G 10/1 FB	12	12.0	15.0	17.5	1450	1800	2100
x 530493	12T8/PRO/48-850/IF18/G 10/1 FB	12	12.0	15.0	17.5	1450	1800	2100
<b>4-FT T8 CorePro</b>								
542084	16T8/LED/48-840/IF18/G 25/1	16	14.5	20	22	1400	1800	2150
542092	16T8/LED/48-850/IF18/G 25/1	16	14.5	20	22	1400	1800	2150
<b>4-FT T8 High Output MasterClass</b>								
● 468652	14T8/48-3000 IF 10/1 ROT	14	16.0	18.0	26.5	1800	2000	2700
● 468660	14T8/48-3500 IF 10/1 ROT	14	16.0	18.0	26.5	1800	2000	2700
● 468678	14T8/48-4000 IF 10/1 ROT	14	16.0	18.0	26.5	1900	2100	2800
● 468686	14T8/48-5000 IF 10/1 ROT	14	16.0	18.0	26.5	1900	2100	2800
469601	14T8/48-3000 IF 10/1 DIM TAA/NAFTA	14	15.0	17.0	23.0	1800	2000	2700
469619	14T8/48-3500 IF 10/1 DIM TAA/NAFTA	14	15.0	17.0	23.0	1800	2000	2700
469627	14T8/48-4000 IF 10/1 DIM TAA/NAFTA	14	15.0	17.0	23.0	1900	2100	2800
469635	14T8/48-5000 IF 10/1 DIM TAA/NAFTA	14	15.0	17.0	23.0	1900	2100	2800
473926	13T8/PER/48-830/IF20/P/DIM 10/1	13	14.0	16.0	21.5	1800	2000	2700
473934	13T8/PER/48-835/IF20/P/DIM 10/1	13	14.0	16.0	21.5	1800	2000	2700
473942	13T8/PER/48-840/IF21/P/DIM 10/1	13	14.0	16.0	21.5	1900	2100	2800
473958	13T8/PER/48-850/IF21/P/DIM 10/1	13	14.0	16.0	21.5	1900	2100	2800
540799	13T8/PER/48-840/IF21/P/DIM 25/1	13	14.0	16.0	21.5	1900	2100	2800
<b>4-FT T8 High Output CorePro</b>								
470096	14T8/PRO/48-830/IF20/G 10/1 FB	14	15.0	17.0	23.0	1750	2000	2350
470104	14T8/PRO/48-835/IF20/G 10/1 FB	14	15.0	17.0	23.0	1750	2000	2350
470112	14T8/PRO/48-840/IF21/G 10/1 FB	14	15.0	17.0	23.0	1850	2100	2450
470120	14T8/PRO/48-850/IF21/G 10/1 FB	14	15.0	17.0	23.0	1850	2100	2450
537803	14T8/PRO/48-840/IF21/G 10/1	14	13.0	17.0	19.0	1575	2100	2300
<b>4-FT T8 Ultra High Output MasterClass</b>								
533372	15.5T8/MAS/48-835/IF24/P 25/1	15.5	16.0	19.0	25.0	2000	2400	2950
545194	15.5T8/MAS/48-840/IF25/P 25/1	15.5	16.0	19.0	25.0	2100	2500	3050
545200	15.5T8/MAS/48-850/IF25/P 25/1	15.5	16.0	19.0	25.0	2100	2500	3050
<b>8-FT T8 MasterClass</b>								
469247	35T8/96-3500 IF FA8 10/1	35	N/A	41.0	N/A	N/A	4000	N/A
469254	35T8/96-4000 IF FA8 10/1	35	N/A	41.0	N/A	N/A	4200	N/A

See footnotes on last page.

# Philips InstantFit LED lamps

## Ballast technical data continued (Subject to change without notice)

Product Number	Product Description	Bare Lamp Watts (W)	Average System Watts (W)			Initial Lumens <sup>6</sup>		
			Low Ballast Factor (0.78)	Normal Ballast Factor (0.88)	High Ballast Factor (1.18)	Low Ballast Factor (0.78)	Normal Ballast Factor (0.88)	High Ballast Factor (1.18)
<b>8-FT T8 CorePro</b>								
533000	30T8/PER/96-830/IF42/P/FA8 10/1	30	N/A	30.0	N/A	N/A	4000	N/A
533018	30T8/PER/96-835/IF42/P/FA8 10/1	30	N/A	30.0	N/A	N/A	4000	N/A
533026	30T8/PER/96-840/IF42/P/FA8 10/1	30	N/A	30.0	N/A	N/A	4200	N/A
533034	30T8/PER/96-850/IF42/P/FA8 10/1	30	N/A	30.0	N/A	N/A	4200	N/A
<b>U-bend High Output MasterClass</b>								
541854	13T8-6U/MAS/24-830/IF20/P 10/1	13	14.0	16.0	21.0	1800	2000	2700
541862	13T8-6U/MAS/24-835/IF20/P 10/1	13	14.0	16.0	21.0	1800	2000	2700
541870	13T8-6U/MAS/24-840/IF21/P 10/1	13	14.0	16.0	21.0	1900	2100	2800
541888	13T8-6U/MAS/24-850/IF21/P 10/1	13	14.0	16.0	21.0	1900	2100	2800

## Philips InstantFit LED T8 electro magnetic compatible lamps

Product Number	Product Description	Bare Lamp Watts (W)	Average System Watts (W)			Initial Lumens <sup>6</sup>		
			Low Ballast Factor (0.78)	Normal Ballast Factor (0.88)	High Ballast Factor (1.18)	Low Ballast Factor (0.78)	Normal Ballast Factor (0.88)	High Ballast Factor (1.18)
<b>4-FT T8 (EM + HF Ballast Compatible)<sup>5,10</sup></b>								
539972	16T8/LED/48-840/UF18/G 10/1 FB	16	17	19	22.5	1600	1800	2100
539980	16T8/LED/48-850/UF18/G 10/1 FB	16	17	19	22.5	1600	1800	2100

## System wattage of the Philips InstantFit T8 vs a comparable linear T12<sup>7</sup>

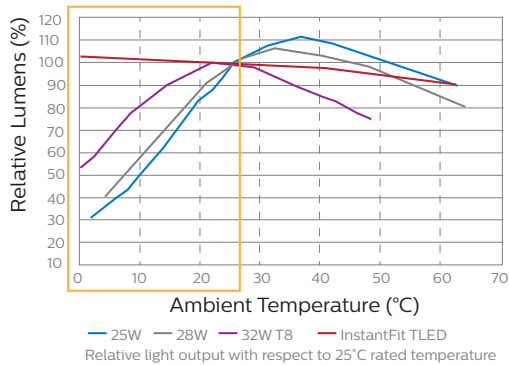
Ballast Model No.	Manufacturer	System Voltage	No. of Lamps	System Power (W) T12 Fluorescent	System Power (W) T8 LED	Energy Savings (%) <sup>9</sup>
R-140-1-TP	Philips Advance	120	1	52.1	26.1	50.0%
RL-140-TP	Philips Advance	120	1	32.8	25.6	21.7%
R-2S40-1-TP	Philips Advance	120	2	88.9	47.1	47.0%
XQM-2S40-TP	Philips Advance	220	2	95.5	51.9	45.6%
V-2S40-1-TP	Philips Advance	277	2	90.2	45.3	49.8%
RQM-2S40-3-TP	Philips Advance	120	2	86.9	46.4	46.6%
R-2S34-TP-5	Philips Advance	120	2	81.1	41.5	48.8%
V-2S34-TP	Philips Advance	277	2	79.2	42.6	46.3%
RM-2S35-TP	Philips Advance	120	2	60.9	41.2	32.4%

# Philips InstantFit LED lamps

## Philips InstantFit LED T8 electro magnetic compatible lamps

### Relative Light Output vs. Ambient Temperature

4' T8 Lamps - 0.88 BF Ballast



Suitable for use in fixtures where ambient temperature is between -4°F (-20°C) and 113°F (45°C).

**Warning:** Philips LED T8 InstantFit lamps will only operate properly on compatible Instant-start and Programmed-start ballasts. Please refer to the Philips LED T8 InstantFit Installation Guide, which can be obtained through your local Philips Sales Representative, or visit [www.philips.com/instantfit](http://www.philips.com/instantfit)

**FCC Note:** This device complies with Part 18 of the FCC Rules.

Please refer to [www.philips.com/instantfit](http://www.philips.com/instantfit) for instant start ballasts details and the latest ballast compatibility guide<sup>5</sup>.

For more information on Philips' limited warranty please visit [www.philips.com/warranties](http://www.philips.com/warranties).

- Based on the next leading competitor and their number of compatible ballasts at time of printing.
- Savings based on comparison to F32T8 electronic instant start systems.
- Tested to B50 L70 requirement with a ballast factor < 0.88.
- LED lifetime means the length of time (in hours) until half of the LED light sources maintain at least 70% of their initial lumen output (B50, L70). Testing with a ballast whose ballast factor is  $\leq 0.88$
- Compatibility subject to change as additional ballasts are tested. If you do not see your ballast on the compatibility list please contact your local Philips Lighting representative.
- Photometric testing consistent with IES LM-79.
- Measured data provided as a reference. System power may vary depending on ballast manufacturer and ballast age. Please refer to [www.philips.com/instantfit](http://www.philips.com/instantfit) for the latest ballast compatibility guide.
- DLC Product ID list is for UL Type A only. The product may also be DLC certified as UL Type C. To verify search the DLC QPL using the model number.
- Bare lamp wattage. For system wattage see charts below
- These lamps work on both magnetic and electronic ballasts.
- This product is DLC listed as Type C only. It is not DLC as a Type A lamp.
- Refer to NEMA/IEC standard for SVM (Stroboscopic Visibility Measure).
- Products offered under the Trade Agreements Act (TAA).  
For more information, visit <http://www.va.gov/oal/business/fss/taa.asp>  
*Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at [www.designlights.org/search](http://www.designlights.org/search).*

- Endcap rotates.
- This product is phasing out.



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