

## Philips Lighting, GBU Fluorescent Lamps, Global Product Marketing

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The table below is part of Commission Regulation (EC) No 245/2009 – Ecodesign requirements, applicable from 13 April 2010.

**Table 17** – Energy efficiency index requirements for non-dimmable ballasts for fluorescent lamps

LAMP DATA					BALLAST EFFICIENCY (Plamp / Pinput)				
					Non-dimmable				
Lamp type	Nominal Wattage	ILCOS CODE	Rated/typical wattage		A2 BAT	A2	A3	B1	B2
	W		50 Hz	HF					
	W		W	W					
T8	15	FD-15-E-G13-26/450	15	13.5	87.8 %	84.4 %	75.0 %	67.9 %	62.0 %
T8	18	FD-18-E-G13-26/600	18	16	87.7 %	84.2 %	76.2 %	71.3 %	65.8 %
T8	30	FD-30-E-G13-26/900	30	24	82.1 %	77.4 %	72.7 %	79.2 %	75.0 %
T8	36	FD-36-E-G13-26/1200	36	32	91.4 %	88.9 %	84.2 %	83.4 %	79.5 %
T8	38	FD-38-E-G13-26/1050	38.5	32	87.7 %	84.2 %	80.0 %	84.1 %	80.4 %
T8	58	FD-58-E-G13-26/1500	58	50	93.0 %	90.9 %	84.7 %	86.1 %	82.2 %
T8	70	FD-70-E-G13-26/1800	69.5	60	90.9 %	88.2 %	83.3 %	86.3 %	83.1 %
TC-L	18	FSD-18-E-2G11	18	16	87.7 %	84.2 %	76.2 %	71.3 %	65.8 %
TC-L	24	FSD-24-E-2G11	24	22	90.7 %	88.0 %	81.5 %	76.0 %	71.3 %
TC-L	36	FSD-36-E-2G11	36	32	91.4 %	88.9 %	84.2 %	83.4 %	79.5 %
TCF	18	FSS-18-E-2G10	18	16	87.7 %	84.2 %	76.2 %	71.3 %	65.8 %

TCF	24	FSS-24-E-2G10	24	22	90.7 %	88.0 %	81.5 %	76.0 %	71.3 %
TCF	36	FSS-36-E-2G10	36	32	91.4 %	88.9 %	84.2 %	83.4 %	79.5 %
TC-D / DE	10	FSQ-10-E-G24q=1 FSQ-10-I-G24d=1	10	9.5	89.4 %	86.4 %	73.1 %	67.9 %	59.4 %
TC-D / DE	13	FSQ-13-E-G24q=1 FSQ-13-I-G24d=1	13	12.5	91.7 %	89.3 %	78.1 %	72.6 %	65.0 %
TC-D / DE	18	FSQ-18-E-G24q=2 FSQ-18-I-G24d=2	18	16.5	89.8 %	86.8 %	78.6 %	71.3 %	65.8 %
TC-D / DE	26	FSQ-26-E-G24q=3 FSQ-26-I-G24d=3	26	24	91.4 %	88.9 %	82.8 %	77.2 %	72.6 %
TC-T / TE	13	FSM-13-E-GX24q=1 FSM-13-I-GX24d=1	13	12.5	91.7 %	89.3 %	78.1 %	72.6 %	65.0 %
TC-T / TE	18	FSM-18-E-GX24q=2 FSM-18-I-GX24d=2	18	16.5	89.8 %	86.8 %	78.6 %	71.3 %	65.8 %
TC-T / TC-TE	26	FSM-26-E-GX24q=3 FSM-26-I-GX24d=3	26.5	24	91.4 %	88.9 %	82.8 %	77.5 %	73.0 %
TC-DD / DDE	10	FSS-10-E-GR10q FSS-10-L/P/H-GR10q	10.5	9.5	86.4 %	82.6 %	70.4 %	68.8 %	60.5 %
TC-DD / DDE	16	FSS-16-E-GR10q FSS-16-I-GR8 FSS-16-L/P/H-GR10q	16	15	87.0 %	83.3 %	75.0 %	72.4 %	66.1 %
TC-DD / DDE	21	FSS-21-E-GR10q FSS-21-L/P/H-GR10q	21	19.5	89.7 %	86.7 %	78.0 %	73.9 %	68.8 %
TC-DD / DDE	28	FSS-28-E-GR10q FSS-28-I-GR8 FSS-28-L/P/H-GR10q	28	24.5	89.1 %	86.0 %	80.3 %	78.2 %	73.9 %
TC-DD / DDE	38	FSS-38-E-GR10q FSS-38-L/P/H-GR10q	38.5	34.5	92.0 %	89.6 %	85.2 %	84.1 %	80.4 %
TC	5	FSD-5-I-G23 FSD-5-E-2G7	5.4	5	72.7 %	66.7 %	58.8 %	49.3 %	41.4 %
TC	7	FSD-7-I-G23 FSD-7-E-2G7	7.1	6.5	77.6 %	72.2 %	65.0 %	55.7 %	47.8 %
TC	9	FSD-9-I-G23 FSD-9-E-2G7	8.7	8	78.0 %	72.7 %	66.7 %	60.3 %	52.6 %
TC	11	FSD-11-I-G23 FSD-11-E-2G7	11.8	11	83.0 %	78.6 %	73.3 %	66.7 %	59.6 %
T5	4	FD-4-E-G5-16/150	4.5	3.6	64.9 %	58.1 %	50.0 %	45.0 %	37.2 %
T5	6	FD-6-E-G5-16/225	6	5.4	71.3 %	65.1 %	58.1 %	51.8 %	43.8 %
T5	8	FD-8-E-G5-16/300	7.1	7.5	69.9 %	63.6 %	58.6 %	48.9 %	42.7 %
T5	13	FD-13-E-G5-16/525	13	12.8	84.2 %	80.0 %	75.3 %	72.6 %	65.0 %
T9-C	22	FSC-22-E-G10q-29/200	22	19	89.4 %	86.4 %	79.2 %	74.6 %	69.7 %
T9-C	32	FSC-32-E-G10q-29/300	32	30	88.9 %	85.7 %	81.1 %	80.0 %	76.0 %
T9-C	40	FSC-40-E-G10q-29/400	40	32	89.5 %	86.5 %	82.1 %	82.6 %	79.2 %
T2	6	FDH-6-L/P-W4.3x8.5d- 7/220		5	72.7 %	66.7 %	58.8 %		

T2	8	FDH-8-L/P-W4.3x8.5d-7/320		7.8	76.5 %	70.9 %	65.0 %		
T2	11	FDH-11-L/P-W4.3x8.5d-7/420		10.8	81.8 %	77.1 %	72.0 %		
T2	13	FDH-13-L/P-W4.3x8.5d-7/520		13.3	84.7 %	80.6 %	76.0 %		
T2	21	FDH-21-L/P-W4.3x8.5d-7/		21	88.9 %	85.7 %	79.2 %		
T2	23	FDH-23-L/P-W4.3x8.5d-7/		23	89.8 %	86.8 %	80.7 %		
T5-E	14	FDH-14-G5-L/P-16/550		13.7	84.7 %	80.6 %	72.1 %		
T5-E	21	FDH-21-G5-L/P-16/850		20.7	89.3 %	86.3 %	79.6 %		
T5-E	24	FDH-24-G5-L/P-16/550		22.5	89.6 %	86.5 %	80.4 %		
T5-E	28	FDH-28-G5-L/P-16/1150		27.8	89.8 %	86.9 %	81.8 %		
T5-E	35	FDH-35-G5-L/P-16/1450		34.7	91.5 %	89.0 %	82.6 %		
T5-E	39	FDH-39-G5-L/P-16/850		38	91.0 %	88.4 %	82.6 %		
T5-E	49	FDH-49-G5-L/P-16/1450		49.3	91.6 %	89.2 %	84.6 %		
T5-E	54	FDH-54-G5-L/P-16/1150		53.8	92.0 %	89.7 %	85.4 %		
T5-E	80	FDH-80-G5-L/P-16/1150		80	93.0 %	90.9 %	87.0 %		
T5-E	95	FDH-95-G5-L/P-16/1150		95	92.7 %	90.5 %	84.1 %		
T5-E	120	FDH-120-G5-L/P-16/1450		120	92.5 %	90.2 %	84.5 %		
T5-C	22	FSCH-22-L/P-2GX13-16/225		22.3	88.1 %	84.8 %	78.8 %		
T5-C	40	FSCH-40-L/P-2GX13-16/300		39.9	91.4 %	88.9 %	83.3 %		
T5-C	55	FSCH-55-L/P-2GX13-16/300		55	92.4 %	90.2 %	84.6 %		
T5-C	60	FSCH-60-L/P-2GX13-16/375		60	93.0 %	90.9 %	85.7 %		
TC-LE	40	FSDH-40-L/P-2G11		40	91.4 %	88.9 %	83.3 %		
TC-LE	55	FSDH-55-L/P-2G11		55	92.4 %	90.2 %	84.6 %		
TC-LE	80	FSDH-80-L/P-2G11		80	93.0 %	90.9 %	87.0 %		
TC-TE	32	FSMH-32-L/P-2GX24q=3		32	91.4 %	88.9 %	82.1 %		
TC-TE	42	FSMH-42-L/P-2GX24q=4		43	93.5 %	91.5 %	86.0 %		
TC-TE	57	FSM6H-57-L/P-2GX24q=5 FSM8H-57-L/P-2GX24q=5		56	91.4 %	88.9 %	83.6 %		
TC-TE	70	FSM6H-70-L/P-2GX24q=6 FSM8H-70-		70	93.0 %	90.9 %	85.4 %		

		L/P-2GX24q=6							
<b>TC-TE</b>	<b>60</b>	FSM6H-60-L/P-2G8=1		<b>63</b>	<b>92.3 %</b>	<b>90.0 %</b>	<b>84.0 %</b>		
<b>TC-TE</b>	<b>62</b>	FSM8H-62-L/P-2G8=2		<b>62</b>	<b>92.2 %</b>	<b>89.9 %</b>	<b>83.8 %</b>		
<b>TC-TE</b>	<b>82</b>	FSM8H-82-L/P-2G8=2		<b>82</b>	<b>92.4 %</b>	<b>90.1 %</b>	<b>83.7 %</b>		
<b>TC-TE</b>	<b>85</b>	FSM6H-85-L/P-2G8=1		<b>87</b>	<b>92.8 %</b>	<b>90.6 %</b>	<b>84.5 %</b>		
<b>TC-TE</b>	<b>120</b>	FSM6H-120-L/P-2G8=1 FSM8H-120-L/P-2G8=1		<b>122</b>	<b>92.6 %</b>	<b>90.4 %</b>	<b>84.7 %</b>		
<b>TC-DD</b>	<b>55</b>	FSSH-55-L/P-GRY10q3		<b>55</b>	<b>92.4 %</b>	<b>90.2 %</b>	<b>84.6 %</b>		