

# BASIC T5 Short

Versatile solutions for applications where space is restricted



Basic T5



QT-ECO

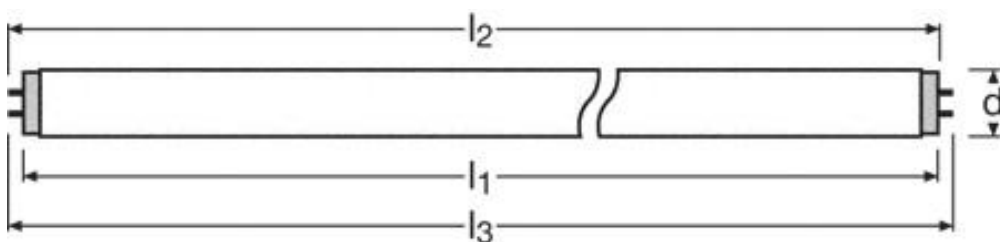
## Benefits

- Ideal for cost-effective creative illumination and decoration
- Very good luminous flux maintenance throughout the life of the lamp

## Product Features

- Compact and slim
- Average life time: up to 10.000 h
- Light colors: *Cool White* (640), *Cool Daylight* (765)

## Dimensions



Description	Base	Length (l1) max [mm]	Length (l2) min [mm]	Length (l2) max [mm]	Length (l3) max [mm]	Tube Diameter (d) max [mm]
T5 4 W BASIC	G5	135.9	140.6	143.0	150.1	16
T5 6 W BASIC	G5	212.1	216.8	219.2	226.3	16
T5 8 W BASIC	G5	288.3	293.0	295.4	302.4	16
T5 13 W BASIC	G5	516.9	521.6	524.0	531.1	16

## Electrical Data<sup>1</sup>

T5 Basic CCG	Lamp Voltage rated [V]	Lamp Current rated [mA] <sup>1</sup>	Pre-heat current rated [mA]
4 W	29	170	205
6 W	42	160	205
8 W	56	145	205
13 W	95	165	225

<sup>1</sup> According to IEC 60081 (measurement with reference control gear)

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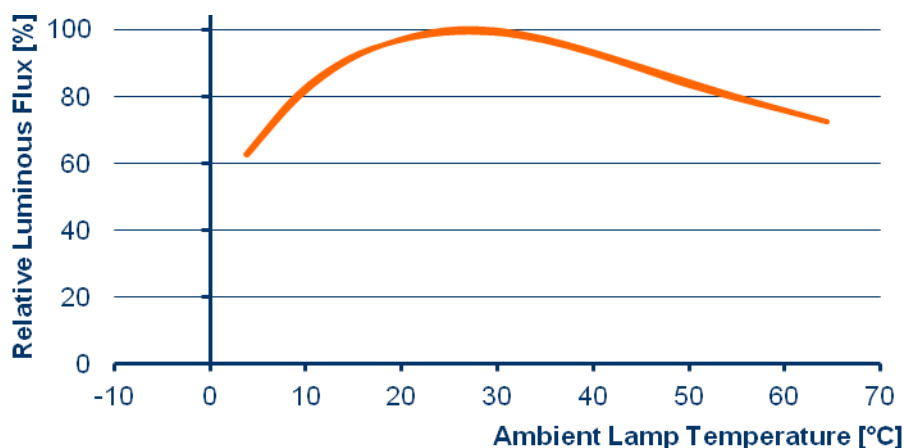
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T5 Basic ECG	Lamp Voltage in HF <sup>2</sup> mode rated [V] <sup>1</sup>	Lamp Current in HF mode rated [mA] <sup>1</sup>	Pre-heat current rated [mA]
4 W	24	150	150
6 W	36	150	150
8 W	50	150	150
13 W	85	150	150

## Photometrical Data<sup>3</sup>

T5 Basic	Light Color LUMILUX®	Color Rendering Index (CRI), Ra	Target Color Coordinate X	Target Color Coordinate Y	Color Tempe- rature [K]	Nominal Luminous Flux [lm]	Max. Luminous Flux [lm]
4 W	640	60...69	0.380	0.380	4000	140	-
6 W	640	60...69	0.380	0.380	4000	270	-
8 W	640	60...69	0.380	0.380	4000	385	-
8 W	765	70...79	0.313	0.337	6500	330	-
13 W	640	60...69	0.380	0.380	4000	830	-
13 W	765	70...79	0.313	0.337	6500	720	-

## Relative Luminous Flux / Ambient Temperature



For more detailed information please refer to our technical guide for Fluorescent Lamps. Free download at [www.osram.com](http://www.osram.com)

<sup>2</sup> High Frequency

<sup>3</sup> Measurement in accordance with EN 60081, annex C and the relevant annex on rated colour characteristics in IEC 60081.

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Lifetime<sup>4</sup>

	ECG <sup>5</sup> (IEC 60929) preheat IEC 60081 switching cycle <sup>6</sup>	CCG (IEC 60921) IEC 60081 switching cycle <sup>6</sup> (only for 18W – 36W)
<b>B50<sup>7</sup></b>	4,200 <sup>11</sup> h / 10,000 <sup>12</sup> h	4,200 <sup>11</sup> h / 8,000 <sup>12</sup> h
<b>Service life time<sup>8</sup></b>	6,000 <sup>11</sup> h / 7,000 <sup>12</sup> h	6,000 <sup>11</sup> h / 5,600 <sup>12</sup> h
<b>LLMF<sup>9</sup> 20.000 h</b>	-	-
<b>LLMF 16.000 h</b>	-	-
<b>LLMF 12.000 h</b>	-	-
<b>LLMF 8.000 h</b>	-	-
<b>LLMF 6.000 h</b>	-	-
<b>LLMF 4.000 h</b>	-	-
<b>LLMF 2.000 h</b>	-	-
<b>LSF<sup>10</sup> 20.000 h</b>	-	-
<b>LSF 16.000 h</b>	-	-
<b>LSF 12.000 h</b>	-	-
<b>LSF 8.000 h</b>	-	-
<b>LSF 6.000 h</b>	-	-
<b>LSF 4.000 h</b>	-	-
<b>LSF 2.000 h</b>	-	-

<sup>4</sup> Measurement in accordance with EN 60081, annex C.

<sup>5</sup> Electronic Control Gear

<sup>6</sup> Switching cycle 165 min. on, 15 min. off (according to IEC 60081)

<sup>7</sup> Average rated lamp life (B50) is the average value of the life time for an entity of lamps operated under standardized conditions until 50% failure. In other words, this is the operation time at which, for a standardized 3-hour switching cycle (165 minutes on / 15 minutes off (according to IEC)), 50% of a sample population of lamps have failed.

<sup>8</sup> Service life time is the mathematical life time (maintenance multiplied with the % of failed lamps e.g. B10) for lamps in an installation after which the installation luminous flux (100 h value) decreased with 20 % (decrease in luminous flux and failed lamps) for indoor lighting.

<sup>9</sup> Lamp Lumen Maintenance Factor (lamp luminous flux in %): Ratio of the luminous flux of a specific quantity of lamps at a defined number of hours of operation to their luminous flux at 100 h

<sup>10</sup> Lamp Survival Factor (lamp survival in %): Ratio of the number of electrically intact lamps to the total number of lamps

<sup>11</sup> Applies only to the 4W

<sup>12</sup> Applies only to the 6W, 8W and 13W

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## Energy labelling<sup>11</sup>

Description	Energy efficiency class	Weighted energy consumption E <sub>c</sub> [kWh/1000h]
T5 Basic 4W/640	B	5
T5 Basic 6W/640	A	7
T5 Basic 8W/640	A	8
T5 Basic 8W/765	B	8
T5 Basic 13W/640	A	15
T5 Basic 13W/765	B	15

## Logistic Data

Description	EAN 10	EAN 40	Packaging Unit
T5 Basic 4W/640	4050300008875	4050300239057	25
T5 Basic 6W/640	4050300008899	4050300228686	25
T5 Basic 8W/640	4050300008912	4050300207124	25
T5 Basic 8W/765	4050300035475	4050300035482	25
T5 Basic 13W/640	4050300008974	4050300229515	25
T5 Basic 13W/765	4050300035536	4050300035543	25

<sup>11</sup> According to Regulation (EU) No 874/2012 of July 12, 2012  
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## Lamp/ECG System combination

Lamp	ECG	EAN 10 ECG	Luminous Flux [lm] @25°C	System Power [W]	IN [A]	Power Factor ECG	System Luminous Efficacy [lm/W]	Length [mm]	Width [mm]	Height [mm]	Distance between holes [mm]	T <sub>a</sub> [°C]
<b>T5 Basic 4W</b>	QT-ECO 1x4-16/220-240 L	4050300660370	950	15	0.08	0.60c	63	150	22	22	140	-15...+50
	QT-ECO 1x4-16/220-240 S	4050300638584	950	15	0.08	0.60c	63	80	40	22	72-75	-15...+50
<b>T5 Basic 6W</b>	QT-ECO 1x4-16/220-240 L	4050300660370	270	8.5	0.06	0.60c	32	150	22	22	140	-15...+50
	QT-ECO 1x4-16/220-240 S	4050300638584	270	8.5	0.06	0.60c	32	80	40	22	72-75	-15...+50
	QT-ECO 2x5-11/220-240 S	4050300821504	560	14.5	0.11	0.60c	39	80	40	22	72-75	-15...+50
<b>T5 Basic 8W</b>	QT-ECO 1x4-16/220-240 L	4050300660370	450	10.5	0.07	0.60c	43	150	22	22	140	-15...+50
	QT-ECO 1x4-16/220-240 S	4050300638584	450	10.5	0.07	0.60c	43	80	40	22	72-75	-15...+50
	QT-ECO 2x5-11/220-240 S	4050300821504	900	17.5	0.13	0.60c	51	80	40	22	72-75	-15...+50
<b>T5 Basic 13W</b>	QT-ECO 1x4-16/220-240 L	4050300660370	950	15	0.08	0.60c	63	150	22	22	140	-15...+50
	QT-ECO 1x4-16/220-240 S	4050300638584	950	15	0.08	0.60c	63	80	40	22	72-75	-15...+50

For more information on ECG refer to <http://www.osram.com/ecg>

For more information on System Guarantee refer to <http://www.osram.com/guarantee>

In case of lamp breakage: [www.osram.com/brokenlamp](http://www.osram.com/brokenlamp)

For more information technical Information see Technical guide. Free download at [www.osram.com](http://www.osram.com)