



T5 High Output

F54T5/865 HO/ALTO

Philips T5 HO lamps are environmentally-responsible, ultra-slim and have extraordinary light output and longer life.

Product data

• General Characteristics

System Description	High Output
Base	Miniature Bipin
Base Information	Green [Green Base]
Bulb	T5 [16 mm]
Life to 10% fail	21000 hr
Preheat EL,3h	
Rated Avg. Life	30000 hr
LSF HF Preheat	99 %
2000h Rated,3h	
LSF HF Preheat	99 %
4000h Rated,3h	
LSF HF Preheat	99 %
6000h Rated,3h	
LSF HF Preheat	99 %
8000h Rated,3h	
LSF HF Preheat	99 %
12000h Rated,3h	
LSF HF Preheat	97 %
16000h Rated,3h	
LSF HF Preheat	84 %
20000h Rated,3h	

• Light Technical Characteristics

Color Code	865 [CCT of 6500K]
Color Rendering Index	80 (min), 82 (nom), 85 (max) Ra8
Color Designation	Cool Daylight
Color Temperature	6300 K
Luminous Flux EL	4150 Lm
25°C, Rated	
Luminous Flux EL	4150 Lm
25°C, Nominal	
Initial Lumens	4650 Lm
Lum Efficacy Rated	77 Lm/W
HF 25°C	

Lum Efficacy Rated	86 Lm/W
HF 35°C	
LLMF HF 2000h	96 %
Rated	
LLMF HF 4000h	95 %
Rated	
LLMF HF 6000h	94 %
Rated	
LLMF HF 8000h	93 %
Rated	
LLMF HF 12000h	92 %
Rated	
LLMF HF 16000h	91 %
Rated	
LLMF HF 20000h	90 %
Rated	
Design Temperature	35 C
Chromaticity Coordinate X	313 -
Chromaticity Coordinate Y	337 -

• Electrical Characteristics

Watts	54 W
Lamp Wattage EL	54.1 W
25°C, Rated	
Lamp Wattage EL	54.1 W
25°C, Nominal	
Lamp Wattage EL	53.8 W
35°C	
Lamp Voltage EL	120 V
25°C	
Lamp Voltage EL	118 V
35°C	
Lamp Current EL	0.455 A
25°C	

PHILIPS

T5 High Output

Lamp Current EL 0.460 A
 35°C
 Dimmable Yes

Insertion Length B 1153.7 (min), 1156.1 (max) mm
 Overall Length C 1163.2 (max) mm
 Diameter D 17 (max) mm

• Environmental Characteristics

Energy Efficiency Label (EEL) B
 Mercury (Hg) Content 1.4 mg

• Measuring Conditions

Calibration Current 0.460 A
 HF Generator Rated Voltage 235 V
 Resistor 255 ohm

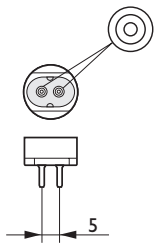
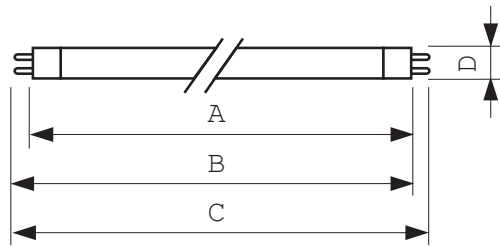
• Product Dimensions

Base Face to Base Face A 1149.0 (max) mm

• Product Data

Product number 147454
 Full product name F54T5/865 HO/ALTO
 Short product name F54T5/865/HO/ALTO 40PK
 Pieces per Sku 1
 eop_pck_cfg 40
 Skus/Case 40
 Bar code on pack 46677147457
 Bar code on case 50046677147452
 Logistics code(s) 927993186522
 eop_net_weight_pp 104.500 gr

Dimensional drawing

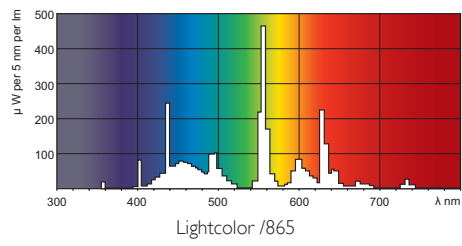
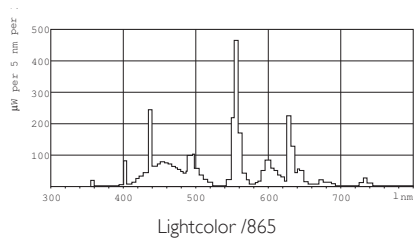


G5

F54T5/865 HO/ALTO

Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 HO F54T5/865 HO Alto	1149.0	1153.7	1156.1	1163.2	17

Photometric data



© 2014 Koninklijke Philips N.V. (Royal Philips)
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. (Royal Philips) or their respective owners.

www.philips.com/lighting

2014, October 31
data subject to change