

SATCO

Product Specification

Product code: S8123

Description: T5-54HO(G5, 2 pin base)

54-Watt, 45inch Stright T5, Pre-heat
Fluorescent Lamp

Text conditions: ambient temperature: 25°C; ballast: High Frequency Power HCS-102A

Parameter	Symbol	Conditions	Min	Nom	Max	Unit
Rated Lumens -Warm White	lumens	100 hr., 50Hz	4703	4950		Lumens
Rated Lumens -Cool White	lumens	100 hr., 50Hz	4703	4950		Lumens
Rated Lumens -Nature	lumens	100 hr., 50Hz	4560	4800		Lumens
Rated Lumens -Daylight	lumens	100 hr., 50Hz	4560	4800		Lumens
Nominal Wattage	W			54		Watts
Rated Lamp Wattage	W	100 hr., 50Hz		53.8	+5%	Watts
Nominal Lamp Voltage	V lamp	100 hr., 50Hz	108	118	128	V rms
Nominal Lamp Current	I lamp	100 hr., 50Hz		0.460		A rms
Cathode Resistance		at 500 mA	6	8	10	Ω ohms
Rated Life	Median Life	3 hour cycle (2.75 hr. on / 15 min. off)		20,000		hours
Switches	Times	1 min. cycle (15s on 45s off)		20,000		Times
Lumen Maintenance - Warm White		8000 hr.	85%	92%	94%	%
Lumen Maintenance - Cool White		8000 hr.	85%	92%	94%	%
Lumen Maintenance - Daylight		8000 hr.	85%	92%	94%	%
CRI - Warm White	Ra	x = 0.4400 y = 0.4030 3000K; 100 hr., 50/60Hz	80	82		
CRI - Warm White	Ra	x = 0.4090 y = 0.3940 3500K; 100 hr., 50/60Hz	80	82		
CRI - Cool White	Ra	x = 0.3800 y = 0.3800 4100K; 100 hr., 50/60Hz	80	82		
CRI - NATURE	Ra	x = 0.3460 y = 0.3590 5000K; 100 hr., 50/60Hz	80	82		
CRI - Daylight	Ra	x = 0.3130 y = 0.3370 6500K; 100 hr., 50/60Hz	80	82		
Chromaticity tolerance (MacAdam ellipse)		100 hr., 50Hz			5	steps
Starting time		198v,50Hz			10	seconds

Mechanical

Dimension	Reference Document	Min	Nom	Max	Unit
A	IEC60081,GB/T 10682-2002			1149.0	mm
B	IEC60081,GB/T 10682-2002	1153.7		1156.1	mm
C	IEC60081,GB/T 10682-2002			1163.2	mm
D	IEC60081,GB/T 10682-2002			17.0	mm

Regulatory Approvals / Standards

Parameter	Reference Document	Required Approvals
Safety	IEC61195, GB18774-2002	Compliance
Performance	IEC60081, GB/T 10682-2002	Compliance