



# Superior color rendering

## High CRI T12

Philips T12 High CRI Lamps are energy-efficient lighting solutions and provide excellent color consistency over the life of the lamp.

### Benefits

- Low mercury and TCLP compliant\*
- Reduced maintenance costs with fewer relamping cycles
- \*The EPA's TCLP test is used to determine if an item can be managed as hazardous or non-hazardous waste. Philips ALTO and ALTO II lamps are TCLP compliant and can be managed as non-hazardous waste.

### Features

- Up to 90 CRI
- Operates on magnetic or electronic ballast
- Direct retrofit for current T12 solution

### Application

- Ideal for applications requiring superior color and continuous maintained light output.

### Warnings and Safety

- Lamp contains mercury.
- Manage in Accord with Disposal Laws.
- See: [www.lamprecycle.org](http://www.lamprecycle.org) or 1-800-555-0050

High CRI T12

Versions



G13, T12-UR



Medium Bi-Pin Fluorescent T-12 (T12)



G13, T12



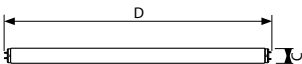
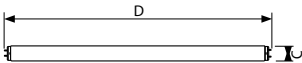
FA8, T12

Dimensional drawing

Product
FB40/T12/CW Supreme/6 12PK
FB40/T12/NX/6 12PK

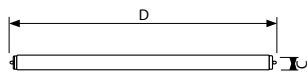
Product
F40T12/CWSupreme/PLUS/ALTO 30PK

Product
F40T12/CWSupreme/ALTO
F40T12/C50Supreme/ALTO 30pk
F40T12/NX/ALTO 30PK



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Dimensional drawing



Product
F96T12/C50Supreme/ALTO 15pk
F96T12/CW Supreme/ALTO 15PK

Approval and application

Order Code	Full Product Name	Energy Saving Product	Mercury (Hg) Content (Nom)
423087	FB40/T12/CW Supreme/6 12PK	Not Applicable	10.0 mg
423095	FB40/T12/NX/6 12PK	Not Applicable	10.0 mg
423129	F40T12/CWSupreme/PLUS/ALTO 30PK	Energy Saving	4.4 mg
423889	F40T12/CWSupreme/ALTO	Energy Saving	4.4 mg

Order Code	Full Product Name	Energy Saving Product	Mercury (Hg) Content (Nom)
423897	F40T12/C50Supreme/ALTO 30pk	Energy Saving	4.4 mg
423186	F40T12/NX/ALTO 30PK	Energy Saving	4.4 mg
423871	F96T12/C50Supreme/ALTO 15pk	Energy Saving	6.8 mg
423194	F96T12/CW Supreme/ALTO 15PK	Energy Saving	6.8 mg

Operating and electrical

Order Code	Full Product Name	Power (Nom)
423087	FB40/T12/CW Supreme/6 12PK	40 W
423095	FB40/T12/NX/6 12PK	40 W
423129	F40T12/CWSupreme/PLUS/ALTO 30PK	40 W
423889	F40T12/CWSupreme/ALTO	40 W

Order Code	Full Product Name	Power (Nom)
423897	F40T12/C50Supreme/ALTO 30pk	40 W
423186	F40T12/NX/ALTO 30PK	40 W
423871	F96T12/C50Supreme/ALTO 15pk	75 W
423194	F96T12/CW Supreme/ALTO 15PK	75 W

General information

Order Code	Full Product Name	Cap-Base	Life 12-Hr Start [Hrs]	Life 3-Hr Start [Hrs]	System Description
423087	FB40/T12/CW Supreme/6 12PK	G13	-	18000 h	-
423095	FB40/T12/NX/6 12PK	G13	-	18000 h	-
423129	F40T12/CWSupreme/PLUS/ALTO 30PK	G13	30000 h	24000 h	-
423889	F40T12/CWSupreme/ALTO	G13	24000 h	20000 h	Rapid Start (RS)

Order Code	Full Product Name	Cap-Base	Life 12-Hr Start [Hrs]	Life 3-Hr Start [Hrs]	System Description
423897	F40T12/C50Supreme/ALTO 30pk	G13	24000 h	20000 h	-
423186	F40T12/NX/ALTO 30PK	G13	24000 h	20000 h	-
423871	F96T12/C50Supreme/ALTO 15pk	FA8	-	12000 h	-
423194	F96T12/CW Supreme/ALTO 15PK	FA8	-	12000 h	-

Light technical

Order Code	Full Product Name	Color Designation	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)	Design Mean Lumens	Luminous Flux (Nom)
423087	FB40/T12/CW Supreme/6 12PK	Cool White Supreme	4100 K	90	1955 lm	2300 lm
423095	FB40/T12/NX/6 12PK	Neutral DX	3500 K	90	1955 lm	2300 lm

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Order Code	Full Product Name	Color Designation	Correlated Color Temperature	Color Rendering Index		Luminous Flux (Nom)
			(Nom)	(Nom)	Design Mean Lumens	
423129	F40T12/CWSupreme/PLUS/ALTO 30PK	Cool White Supreme	4100 K	89	2200 lm	2550 lm
423889	F40T12/CWSupreme/ALTO	Cool White Supreme	4100 K	89	2250 lm	2600 lm
423897	F40T12/C50Supreme/ALTO 30pk	C50 Supreme	5000 K	90	2160 lm	2545 lm
423186	F40T12/NX/ALTO 30PK	Neutral DX	3500 K	88	2220 lm	2550 lm
423871	F96T12/C50Supreme/ALTO 15pk	C50 Supreme	5000 K	90	4250 lm	5000 lm
423194	F96T12/CW Supreme/ALTO 15PK	Cool White Supreme	4100 K	89	4250 lm	5000 lm

Mechanical and housing

Order Code	Full Product Name	Bulb Shape
423087	FB40/T12/CW Supreme/6 12PK	T12-6U
423095	FB40/T12/NX/6 12PK	T12-6U
423129	F40T12/CWSupreme/PLUS/ALTO 30PK	T12
423889	F40T12/CWSupreme/ALTO	T12

Order Code	Full Product Name	Bulb Shape
423897	F40T12/C50Supreme/ALTO 30pk	T12
423186	F40T12/NX/ALTO 30PK	T12
423871	F96T12/C50Supreme/ALTO 15pk	T12
423194	F96T12/CW Supreme/ALTO 15PK	T12

