



# Environmentally Responsible Lamps

## High Output T8

Philips leads the industry with the lowest level mercury technology. Reducing the mercury level (source reduction) during the manufacturing phase is essential to creating products that are less harmful to the environment.

### Benefits

- High light output.
- Energy efficient alternative to T12 HO lamps.
- ALTO lamp technology means better for the environment.

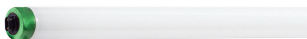
### Features

- Available in 44, 55, and 65 watts, 3000, 3500, and 4100 color temperatures.

### Application

- Ideal for outdoor, cooler applications.

### Versions

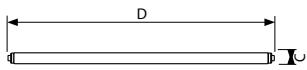
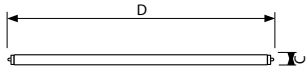


R17d, T8

FA8, T8

# High Output T8

## Dimensional drawing



### Product

F96T8/D/ALTO

### Product

F48T8/TL841/HO ALTO 25/1

### Approval and Application

Energy Saving Product                      Energy Saving

### Mechanical and Housing

Bulb Shape                                      T8

## Approval and Application

Order Code	Full Product Name	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)	Picogram Per Lumen Hour
236794	F48T8/TL841/HO ALTO 25/1	-	3.5 mg	54 pg/lm.h

Order Code	Full Product Name	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)	Picogram Per Lumen Hour
454124	F96T8/D/ALTO	4.4 mg	-	98.0 pg/lm.h

## Operating and Electrical

Order Code	Full Product Name	Power (Rated) (Nom)
236794	F48T8/TL841/HO ALTO 25/1	44 W

Order Code	Full Product Name	Power (Rated) (Nom)
454124	F96T8/D/ALTO	60 W

## General Information

Order Code	Full Product Name	Cap-Base	Life 3-Hr Start [Hrs]
236794	F48T8/TL841/HO ALTO 25/1	R17D	18000 h

Order Code	Full Product Name	Cap-Base	Life 3-Hr Start [Hrs]
454124	F96T8/D/ALTO	FA8	-

## Light Technical

## High Output T8

Order Code	Full Product Name	Color Code	Color Designation	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)	Design Mean Lumens	Luminous Flux (Nom)
236794	F48T8/TL841/HO ALTO 25/1	TL841	TL841	4100 K	86	3600 lm	4000 lm
454124	F96T8/D/ALTO	765	Daylight	6500 K	76	4490 lm	4725 lm

