



# Safeguard a clean environment

**New Philips MASTER Actinic BL lamps** - one of the most effective ways to eliminate insects

Cleanliness and the protection of food are crucial in professional applications such as restaurants, catering and the food and beverage industry. Insects, and in particular flies, pose a direct threat to food. One of the most effective ways to reduce the presence of insects is to attract them and to eliminate them in an electronic fly killer (EFK).

## **Why choose Philips MASTER Actinic BL lamps for insect traps?**

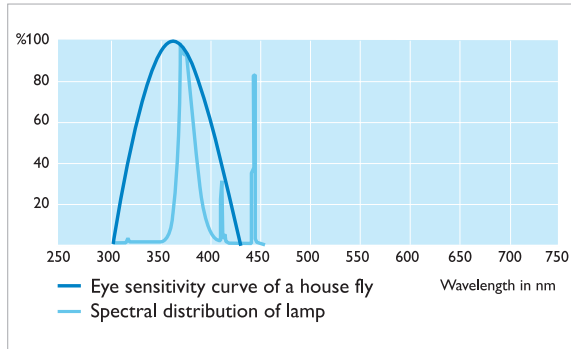
- Optimized performance to attract most insects
- Consistent quality and reliability
- Secura version available with shatterproof sleeve to help keep glass and components together in case of lamp breakage
- Good environmental choice, 100% lead-free
- Wide range of lamps for existing and new insect trap units, including compact lamps for new designs and smaller equipment

# PHILIPS

# One of the most effective choices

New 15W Philips MASTER Actinic BL lamps

## Optimized spectral distribution

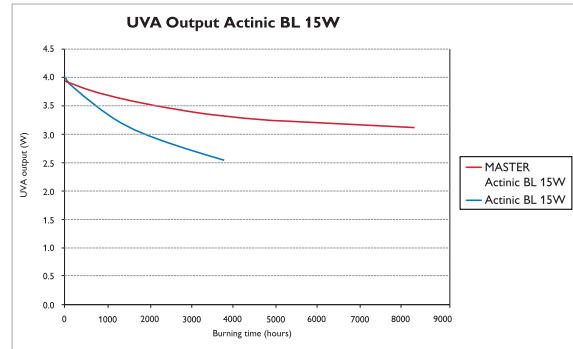


The eyes of insects are sensitive to certain UV wavelengths of the light spectrum. Philips MASTER Actinic BL lamps perfectly match the eye sensitivity of moving houseflies and in this way attract more insects.

## Higher initial UVA output

Thanks to the higher initial UVA output of the MASTER Actinic BL lamps compared with /05 or /09 (BL) type of lamps, you can attract more insects and cover a larger area.

## Improved UVA maintenance and lifetime



Thanks to the new environmental-friendly water based phosphor technology, the UVA output maintenance and lifetime have been significantly improved. As a result, the lamps provide maximum and reliable performance during the complete insect season, helping to safeguard a clean environment.

## Good environmental choice

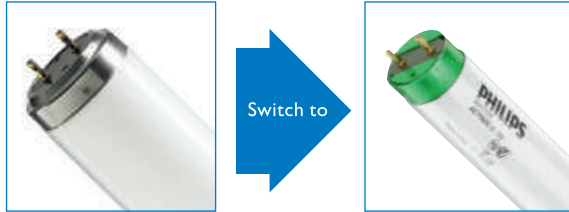
Philips MASTER Actinic BL lamps contain a low level of mercury and do not contain any lead, contrary to other insect trap lamps on the market.



# It's a simple switch

Energy savings AND optimized performance with new MASTER Actinic BL TL-D solution (15W,18W and 36W)

## Energy savings



TL 20W  
TLK 40W

TL-D 18W  
TL-DK 36W

By directly replacing your current Philips TL 20W (T12) lamps with the new Philips MASTER Actinic BL TL-D 18W (T8) alternative as indicated above, you immediately save 10% energy.

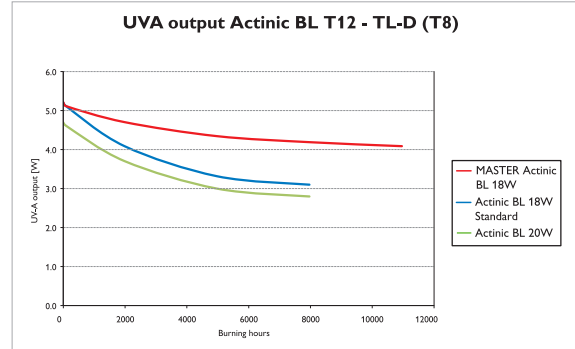
## Good environmental choice

Philips MASTER Actinic BL lamps contain industry leading low levels of mercury (only 3 mg). This makes them not only best-in-class lamps, but also one of the best environmental choices currently available.

Diameter	Lamp type	Power (W)	UVA (W)	UVA Brightness
T12	Actinic BL 20W	19.4	4.6	32
T8	Actinic BL 18W	18.2	5.1	53
	MASTER Actinic BL 18W	18.2	5.1	53
T8/T12		94%	111%	167%

Measured under practical circumstances with EM ballast

## Maximized performance



Compared to Philips T12 versions, the TL-D (T8) types offer a higher initial UV output of 11% and also better maintenance of this output. This means that the UV output of a Philips MASTER TL-D lamp after 11,000 burning hours will be the same as a Philips T12 lamp after 1,750 burning hours. Next to this, the UVA brightness of the Philips TL-D version has been improved with up to 67% compared with the Philips T12 lamp. As a result, you can rely on a maximum performing system during the complete insect season, helping to safeguard a clean environment.



## Additional protection with Secura version

For additional protection we also offer the Secura version with shatterproof sleeve. The shatterproof sleeve helps to keep all glass and components together in case of accidental lamp breakage. As a result, you can eliminate any risk of glass splinters in products due to lamp breakage.

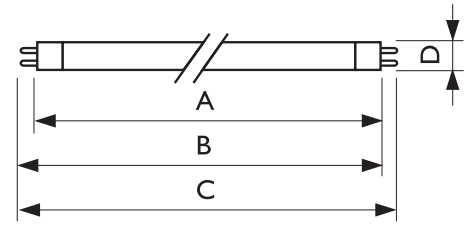


# Philips Actinic BL lamps for insect traps

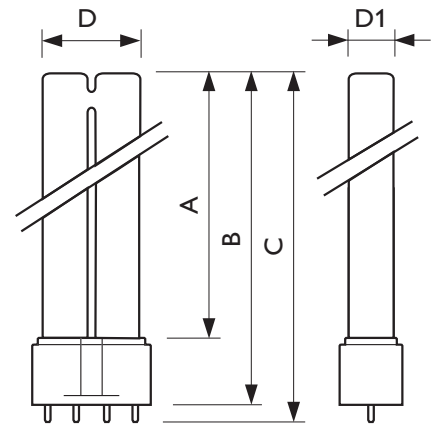
Type	Cap/ Base	Lamp Voltage V	Lamp Current A	UV-A W	Diameter (max) mm	Length cm	Drawing number	Global Product Code
<b>MASTER Actinic BL Secura RANGE</b>								
Philips MASTER Actinic BL TL-D 15W Secura	G13	55	0.34	3.9	28	45	4	9280 227 010 03
<b>MASTER Actinic BL RANGE</b>								
Philips MASTER Actinic BL TL-D 15W	G13	55	0.34	3.9	28	45	4	9280 226 010 03
Philips MASTER Actinic BL TL-D 18W	G13	59	0.36	5.2	28	60	5	9280 446 010 03
Philips MASTER Actinic BL TL-DK 36W	G13	50	0.85	9.4	28	60	5	9280 199 010 03
Philips MASTER Actinic BL PL-L 36W	2G11	106	0.435	9.4	37.7	42	3	9279 350 210 30
<b>Actinic BL Secura RANGE</b>								
Philips Actinic BL TL-D 15W Basic Secura	G13	55	0.34	3.6	28	45	4	9280 247 010 01
Philips Actinic BL TL-D 15W Standard Secura	G13	55	0.34	3.9	28	45	4	9280 247 010 29
Philips Actinic BL TL-D 18W Secura	G13	59	0.36	5.2	28	60	5	9280 482 010 03
Philips Actinic BL TL-DK 36W Secura	G13	50	0.85	9.4	28	60	5	9280 198 010 03
Philips Actinic BL PL-L 36W Secura	2G11	106	0.435	9.4	37.7	42	3	9279 091 210 01
Philips Actinic BL PL-L 18W Secura	2G11	58	0.37	3.5	37.7	23	1	9279 306 010 01
Philips Actinic BL TL 8W Secura	G5	56	0.15	1.7	16	30	3	9280 110 010 29
<b>Actinic BL TL (T5) RANGE</b>								
Philips Actinic BL TL 4W	G5	29	0.17	0.6	16	15	1	9280 000 010 30
Philips Actinic BL TL 6W	G5	42	0.16	1.3	16	23	2	9280 005 010 30
Philips Actinic BL TL 8W	G5	56	0.15	1.7	16	30	3	9280 010 010 30
Philips Actinic BL TL 11W	G5	33	0.41	2.0	16	23	2	9280 006 010 30
Philips Actinic BL TL 15W	G5	46	0.35	3.3	16	30	3	9280 012 010 30
<b>Actinic BL TL-D(K) RANGE</b>								
Philips Actinic BL TL-D 15W Basic	G13	55	0.34	3.6	28	45	4	9280 248 010 01
Philips Actinic BL TL-D 15W Standard	G13	55	0.34	3.9	28	45	4	9280 248 010 29
Philips Actinic BL TL-D 18W	G13	59	0.36	5.2	28	60	5	9280 480 010 03
Philips Actinic BL TL-D 30W	G13	98	0.36	8.6	28	91	8	9280 254 010 29
Philips Actinic BL TL-DK 30W	G13	45	0.81	6.5	28	45	6	9280 195 010 29
Philips Actinic BL TL-DK 36W	G13	50	0.85	9.4	28	60	5	9280 197 010 03
<b>Actinic BL TL (T12) RANGE</b>								
Philips Actinic BL TL 40W	G13	104	0.43	12.0	40.5	121	9	9280 113 010 20
Philips Actinic BL TL-K 40W/10-R	G13	50	0.86	7.8	40.5	60	7	9280 041 010 29
<b>Actinic BL TL-E RANGE</b>								
Philips Actinic BL TL-E 22W	G10Q	62	0.4	3.9				9280 262 010 05
<b>Actinic BL PL-S RANGE</b>								
Philips Actinic BL PL-S 9W	G23	60	0.17	1.8	28	17	1	9279 017 210 08
Philips Actinic BL PL-S 11W	G23	89	0.16	2.8	28	24	2	9279 023 210 07
<b>Actinic BL PL-L RANGE</b>								
Philips Actinic BL PL-L 18W	2G11	58	0.37	3.5	37.7	23	1	9279 030 010 07
Philips Actinic BL PL-L 24W	2G11	87	0.35	4.9	37.7	32	2	9279 032 110 07
Philips Actinic BL PL-L 36W	2G11	106	0.435	8.5	37.7	42	3	9279 034 210 07

Specifications subject to change

TL and TL-D Versions					
Dim.	A	A	B	C	D
	max.	min.	max.	max.	max.
1	135.9	140.6	143	150.1	16
2	212.1	216.8	219.2	226.3	16
3	288.3	293.0	295.4	302.5	16
4	437.4	442.1	444.5	451.6	28
5	589.8	594.5	596.9	604.0	28
6	437.4	442.1	444.5	451.6	28
7	589.8	594.5	596.9	604.0	40.5
8	894.6	899.3	901.7	908.8	28
9	1199.4	1204.1	1206.5	1213.6	40.5



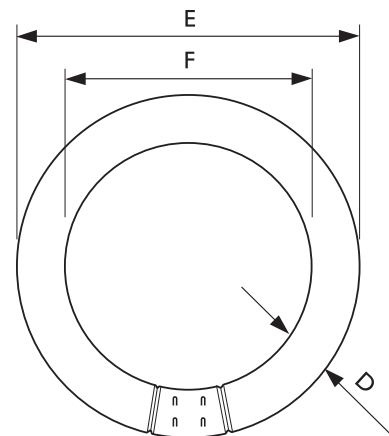
PL-S					
Dim.	A	B	C	D	D1
	max.	max.	max.	max.	max.
1	128.8	144.5	167.0	28	13
2	198.0	213.3	236.3	28	13



PL-L					
Dim.	A	B	C	D	D1
	max.	max.	max.	max.	max.
1	194.2	220	226.6	39	18
2	289.2	315	321.6	39	18
3	384.2	410	416.6	39	18

Specifications subject to change

TL-E					
Dmin	Dmax	Emin	Emax	Fmin	Fmax
26.2	31	203.2	215.9	147.6	157.2







©2014 Koninklijke Philips Electronics N.V.

All rights reserved. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner.

The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of its use.

Publication thereof does not convey nor imply any license under patent- or other industrial or intellectual property rights.

Date of release: January 2014 – 3222 635 69437

Printed in the Netherlands