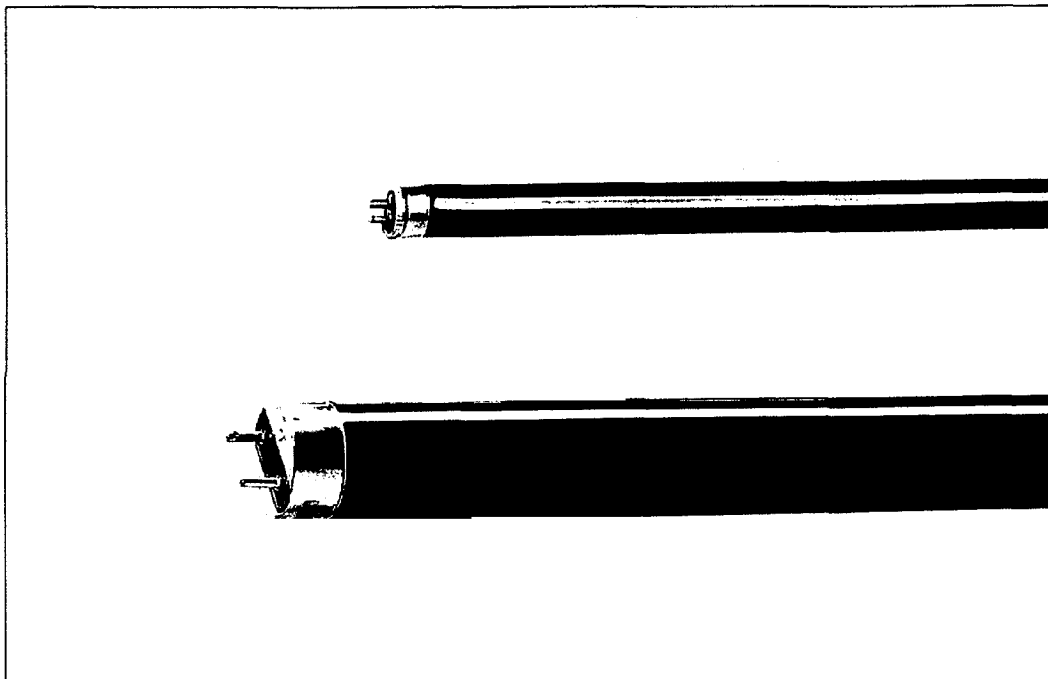
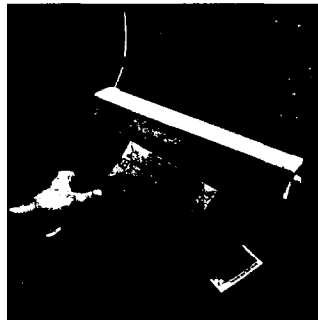


Philips Lighting

Product information

Black light blue lamps /08

Lamps for specific purposes



Definition

Black light blue fluorescent lamps, emitting long-wave ultraviolet radiation for luminescence purposes.

Description

- The lamps are operated with accessories identical with those used for standard fluorescent lamps of the same rating.
- The ultraviolet radiation is emitted by a fluorescent powder layer - on the inside of the tube - which converts the arc's energy into long-wave ultraviolet.
- The tubular envelope consists of dark blue glass which transmits ultraviolet radiation but only the minimum amount of visible radiation, as the latter would interfere with luminescence.
- The unique fluorescent coating, very efficient in generating long-wave UV-A radiation emits only limited traces of the harmful UV-B.

Applications

The lamps are used in a wide variety of applications. Their tubular shape makes them extremely suitable wherever uniform long-wave ultraviolet radiation is required over a large surface.

- Analysis and detection in the chemical and textile industries
- Food production
- Philately
- Insect-trapping
- Mineralogy
- Banking
- Criminology
- Medicine
- Decorative lighting in the entertainment field
- Sign lighting

Note:

Detailed information on the applications of these lamps is given in our publication entitled "Black Light Blue Lamps".

Philips Lighting



PHILIPS

Technical data

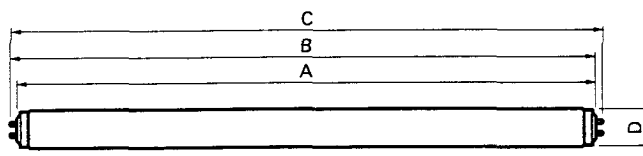
Type	Nom. length cm	Nom. diameter mm	Lamp voltage V	Lamp current A	Caps	Lamp wattage W	UV-A W	Maintenance factor	
								1000h	2000h
'TL' 4W/08	14	16	30	0.15	G5	4	0.4	0.70	0.60
'TL' 6W/08	21	16	44	0.16	G5	6	0.7	0.80	0.70
'TL' 8W/08	29	16	56	0.17	G5	8	1.2	0.80	0.70
'TL'D 18W/08	59	26	59	0.37	G13	18	3.0	0.80	0.75
'TL'D 36W/08	120	26	103	0.43	G13	36	7.5	0.85	0.80

Ordering and packing data

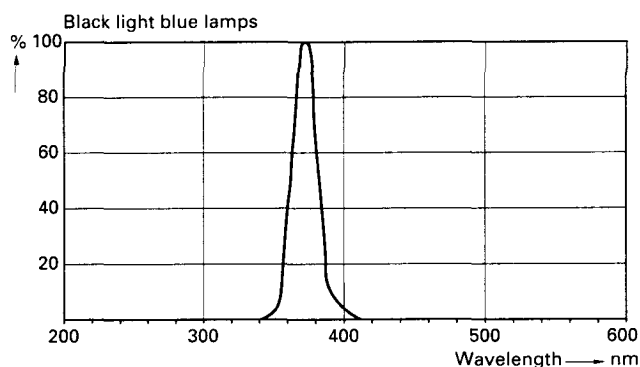
Type	Nett weight g	QTY	Packing unit			Ordering number
			Dimensions cm	Volume m ³	Weight kg	
'TL' 4W/08	16	250	52x23x18	0.021	5.00	9280 000 008..
'TL' 6W/08	22	250	52x21x26	0.027	8.00	9280 005 008..
'TL' 8W/08	29	250	52x23x33	0.039	8.60	9280 010 008..
'TL' D18W/08	100	25	65x15x15	0.015	3.26	9280 480 008..
'TL' D36W/08	186	25	127x15x15	0.029	5.93	9280 485 008..

Dimensions

Type	A	B	B	C	D
	max.	max	min.	max.	max.
'TL' 4W/08	135.7	142.9	140.5	150.0	16.0
'TL' 6W/08	211.9	219.1	216.7	226.2	16.0
'TL' 8W/08	288.1	295.3	292.9	302.4	16.0
'TL' D18W/08	589.8	596.9	594.5	604.0	28.0
'TL' D36W/08	1199.4	1206.5	1204.1	1213.6	28.0



Relative spectral power distribution



Circuitry

Type	Type of ballast	Type of starter
'TL' 4W/08	4-6-8W (BTL02L..)	S2
'TL' 6W/08	4-6-8W (BTL02L..)	S2
'TL' 8W/08	4-6-8W (BTL02L..)	S2
'TL' D18W/08	18W (BTA18L..)	S10
'TL' D36W/08	36W (BTA36L..)	S10