

## Waterproof and clean room



Waterproof luminaires are specially designed to answer industrial dusty and humid conditions ranging from IP54 to IP66. Most models are reinforced or even vandal-resistant and others are designed for use in extremely low or high temperatures.

## Waterproof Luminaires



### General Description

Functional impact, dust and jet water resistant luminaire for single and twin TL-D and TL-5 lamps

### Features

- Dust and moisture proof (IP 66) luminaire for sustained performance
- Impact resistance of IK 08 or for reducing chances of damage
- Specially designed SS toggles for ensuring higher protection from dust and moisture ingress
- Special mounting brackets for ease of mounting
- Polycarbonate housing makes the luminaire sturdy, light, and easy to handle
- Special clear polycarbonate cover for excellent light distribution leads to fewer number of luminaires in the installation

### Applications

- General Industry
- Food and beverage industry
- Dusty areas
- Wet and moist areas
- Car parks
- Storage areas

### Installation and Mounting

- Surface mounting or suspended with the help of mounting brackets

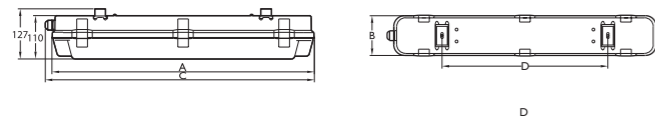
### Compliances

- IP 66



Dimensions (mm)

TCW 097



Type	A	B	C	D
TCW 097/118	660	100	676	417
TCW 097/128, TCW 097/136	1270	100	1274	880
TCW 097/218	660	150	676	417
TCW 097/228, TCW 097/236	1270	150	1274	880

**WATERPROOF LUMINAIRES**

## TCW 097

## Waterproof Luminaires

## TCW 097

### Technical Data

Type	For Lamp	Nominal Voltage (V)	Mains Current (A)	Nominal Power Factor
TCW 097 / 136 HPF	1 X 36WTL'D	240	0.23	0.90
TCW 097 / 136 HF	1 X 36WTL'D	240	0.16	0.95
TCW 097 / 236 HPF	1 X 36WTL'D	240	0.46	0.90
TCW 097 / 236 HF	2 X 36WTL'D	240	0.32	0.95
TCW 097 / 118 HPF	1 X 18WTL'D	240	T.B.D.	T.B.D.
TCW 097 / 118 HF	1 X 18WTL'D	240	0.09	0.98
TCW 097 / 218 HPF	2 X 18WTL'D	240	0.23	0.90
TCW 097 / 218 HF	2 X 18WTL'D	240	0.16	0.98
TCW 097 / 128 HF	1 X 28WTL'5	240	0.135	0.98
TCW 097 / 228 HF	2 X 28WTL'5	240	0.27	0.98

### Ordering Data

Type	Ordering No	Quantity per box	Dimensions (mm)	Gross Weight (kg)	Volume (m <sup>3</sup> )
TCW 097/136 HPF	1300 23205	1	1270 x 100 x 110	2.90	0.014
TCW 097/136 HF	1300 23215	1	1270 x 100 x 110	2.80	0.014
TCW 097/236 HPF	1300 23225	1	1270 x 150 x 110	4.80	0.021
TCW 097/236 HF	1300 23235	1	1270 x 150 x 110	4.60	0.021
TCW 097/118 HPF	1300 23245	1	660 x 100 x 110	2.10	0.007
TCW 097/118 HF	1300 23255	1	660 x 100 x 110	2.00	0.007
TCW 097/218 HPF	1300 23265	1	660 x 150 x 110	2.60	0.011
TCW 097/218 HF	1300 23275	1	660 x 150 x 110	2.40	0.011
TCW 097/128 HF	1300 23285	1	1270 x 100 x 110	2.80	0.014
TCW 097/228 HF	1300 23295	1	1270 x 150 x 110	4.60	0.021

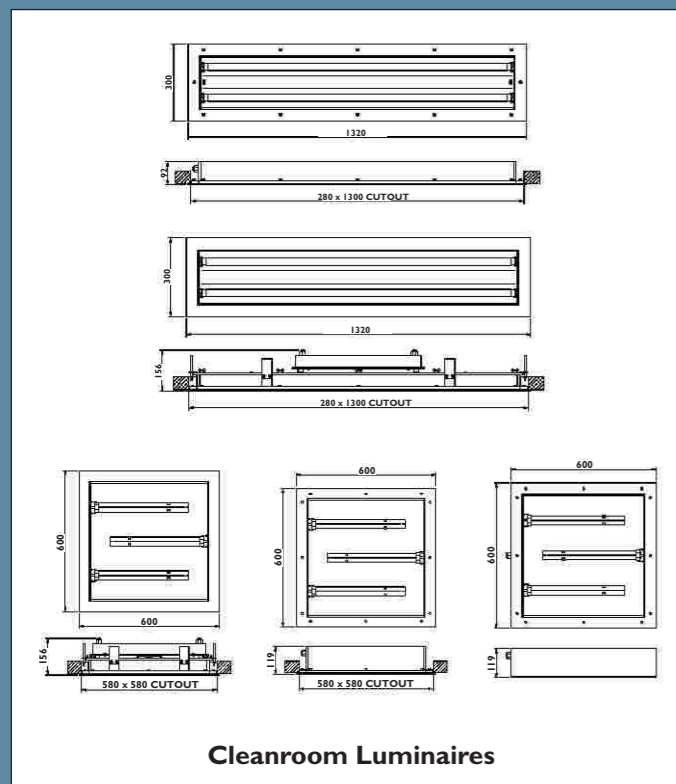
\* On request



## Cleanroom Luminaires



Dimensions (mm)



Cleanroom Luminaires

## Claria



### General Description

Philips Claria luminaires have been designed with advanced technologies and offer high luminance levels for specialized areas like cleanrooms for Pharma, food industry and healthcare. These luminaires are also suitable for semiconductors and electronics industries. These luminaires are available in options of Bottom opening / top opening, depending on the application area and access to the luminaires. Philips Claria luminaires offer the best solution for cleanroom and specialized lighting.

### Features

- High strength Corrosion resistant Stainless Steel Frame
- EPDM gasketing for lifetime protection
- Designed with double protection for highest hygiene and safety
- High efficiency Al Anodized reflector
- Available with option of toughened glass (IP 65 from front) or Clear Acrylic (IP 54 from front)

### Applications

- Operating theatres, laboratories, ICUs, areas surrounding the operating theatre (air locks)
- Areas surrounding the operating theatre, intensive care units, accident and emergency wards, examination and treatment rooms
- Examination and treatment rooms, recovery wards, corridor and circulation areas, administrative areas, laundries and kitchens, medical practices, health and rehabilitation centres

### Installation

- Top opening versions : Installation in cutout as per size in prefabricated ceiling panels with thickness between 80mm - 150mm, with suitable clamp
- Bottom opening versions : Recess mounting in cutout as per size
- Surface mounted : Direct mounting on ceiling surface

### Compliances

- IP 65 (GT) from front
- IP 54 (CA) from front

## Cleanroom Luminaires

## Claria

### Technical Data

Type	For Lamp	Nominal Voltage (V)	Nominal Power Factor
TBS670 2x36W TL-D EB TO GT	2 X 36 TLD	240	>0.98
FBS650 3x36W PL-L EB TO GT	3 X 36 PLL	240	>0.98
TBS670 2X36W TL-D EB BO GT	2 X 36 TLD	240	>0.98
FBS650 3X36W PL-L EB BO GT	3 X 36 PLL	240	>0.98
FCS650 3X36W PL-L EB BO GT	3 X 36 PLL	240	>0.98
TBS670 2X36W TL-D EB TO CA	2 X 36 TLD	240	>0.98
FBS650 3X36W PL-L EB TO CA	3 X 36 PLL	240	>0.98
TBS 670 2X36W TL-D EB BO CA	2 X 36 TLD	240	>0.98
FBS 650 3X36W PL-L EB BO CA	3 X 36 PLL	240	>0.98
FCS650 3X36W PL-L EB BO CA	3 X 36 PLL	240	>0.98

### Ordering Data

Type	Ordering No	Quantity per box	Dimensions (mm)	Gross Weight (kg)	Volume (m³)
TBS670 2x36W TL-D EB TO GT	1350 18095	1	280 X 1300	17.30	0.087
FBS650 3x36W PL-L EB TO GT	1350 18105	1	580 X 580	14.50	0.076
TBS670 2X36W TL-D EB BO GT	1350 18115	1	280 X 1300	14.10	0.051
FBS650 3X36W PL-L EB BO GT	1350 18125	1	580 X 580	15.00	0.058
FCS650 3X36W PL-L EB BO GT	1350 18145	1	NA	16.60	0.058
TBS670 2X36W TL-D EB TO CA	1350 18155	1	280 X 1300	15.20	0.087
FBS650 3X36W PL-L EB TO CA	1350 18165	1	580 X 580	12.50	0.076
TBS 670 2X36W TL-D EB BO CA	1350 18175	1	280 X 1300	12.00	0.051
FBS 650 3X36W PL-L EB BO CA	1350 18185	1	580 X 580	13.00	0.058
FCS650 3X36W PL-L EB BO CA	1350 18205	1	NA	14.60	0.058

