Indoor Waterproof and Cleanroom Luminaires
Hygeia

Functional, fully closed recessed luminaire for 2 or 3 TL-D fluorescent lamps for application in cleanrooms and dust-/water-ingress protected areas. A double parabolic mirror is integrated in the luminaire with clear PMMA cover.
**Hygna TBH318**

**Type**  
TBH318

**Features**  
Completely closed recessed luminaire for TL-D fluorescent lamps  
The luminaire is integrated with double parabolic mirror M5 with an anti-static treatment  
Clear PMMA panel/cover and gasket to prevent dust ingress  
With no protruding rims, the luminaire has a totally flat surface

**Light source**  
Fluorescent:  
- 2 x or 3 x MASTER TL-D / G13 / 36W

**Lamp included**  
No

**Gear**  
Electronic, 220 - 240V / 50 - 60Hz:  
- EB-Primalume (EBP)  
- EB-Selectalume (EBS)

**Materials and finish**  
Housing: zinc coated steel sheet  
Cover: clear PMMA  
M5 louvre: high-purity double parabolic pre-anodized aluminium  
Gasket: EPDM

**Installation**  
Electrical connection through the cable gland  
Method: recessed mounting / luminaire is laid on the ceiling grid and suspend the luminaire by chain of wire  
To ensure the closed character, there are no holes for fixing  
Front cover is fixed with the housing by 4 screws.  
To open the cover, just simply unscrew without any tools needed

**Optics**  
Fused terminal block  
Emergency lighting  
Surface-mounted version  
For non-cleanroom application, acrylic cover (P6 prismatic) is available upon request  
Other luminaire sizes besides the standard ones are available upon request  
Other electrical systems are available upon request

**Classifications**  
IP 54  
Class I  
Complies with IEC 598

**Main applications**  
Cleanrooms, electronics, pharmaceutical, food & beverage industries, dust- and moisture-protected areas, sanitized rooms

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### Preferred selection

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Please contact your local Philips representative for additional configurations.
Teardrop TMX285

Functional light-line teardrop luminaire for single 36W and 58W TL-D fluorescent lamps. Suitable for clean-rooms as well as general lighting applications. TMX285 is specially designed to not obstruct the flow of air inside a cleanroom. Moreover, the cover’s smooth surface helps prevent dust from accumulating on the luminaire surface, thereby enhancing the cleanliness of the room, a vital feature for cleanrooms with very stringent requirements.
Teardrop TMX285

Type: TBH318

Features:
- Dust protected
- Suitable for cleanroom applications
- High-quality materials used prolong the lifetime of the system with less maintenance
- Luminaire is integrated and pre-wired with HF electronic control gear

Light source:
- Fluorescent:
  - 1 x MASTER TL-D / G13 / 36, 58 W

Lamp included:
- No

Gear:
- Electronic, 220 - 240V / 50 - 60 Hz:
  - EB-Primalume (EBP)
  - EB-Selectalume (EBS)

Materials and finish:
- Housing: Extruded aluminium
- Cover: polycarbonate

Installation:
- The system is supplied with a ceiling-mounting rail for suspended or direct ceiling mountings
- Cable entry is via knock-out openings at the end-caps or centrally on the top side. Feed-through wiring is possible.
- Batten fixing is via screws on the mounting rail with a connection block and an automatic electrical connection from the rail to the batten

Classifications:
- Class I
- Complies with IEC598 and F mark

Accessories:
- TTX285 CP (end cap to close the 2 ends of the rail) must be ordered separately

Options:
- Fused terminal block
- Emergency lighting
- Other types of control gears

Main applications:
- Cleanrooms, dusty environments, general industries, do-it-yourself shops, hypermarkets, supermarkets

Preferred selection:

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Please contact your local Philips representative for additional configurations.

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Pacific II

Functional impact-, dust- and jetproof luminaire for single and twin TL-D and TL-5 fluorescent lamps for indoor and semi-outdoor applications. The housing and cover of TCW097 are made of high quality poly-carbonate which has an excellent impact resistant property. The cover has anti-UV additives which bring additional performance levels to UV protection. Available with conventional or high-frequency electronic control gears. Can be ceiling mounted or suspended. Equipped with mounting brackets, mounting is made easy via screws without drilling into the luminaire housing. Gear tray and metal toggles are re-installed; cable gland and mounting brackets are delivered with the luminaire.
Indoor Type TCW097

**Features**
- Dust- and moisture-proof, impact resistant
- Anti-UVC function covers effective from wavelength 240nm to 370nm
- Specially designed toggles protect against dust and water ingress
- Easy installation and maintenance using toggles and stainless steel mounting brackets
- Luminaire is integrated and pre-wired with control gear

**Light source**
- Fluorescent: 1 x or 2 x MASTER TLD / G13 / 18, 36, 58 W
- 1 x or 2 x MASTER TL5 / G5 / 14, 28, 35 W
- Lamp included: No
- Gear: Electronic, 220 - 240V / 50 - 60 Hz
  - High Frequency Standard (HFA)
  - EB-Primalume (EBP)
  - EB-Selectalume (EBS)
  - Electro magnetic (low loss), 230 or 240V / 50Hz
    - Inductive (I)
    - Inductive, parallel compensated (IC)

**Materials and finish**
- Housing: poly-carbonate (PC)
- Cover: clear poly-carbonate (PC)
- Toggles: stainless steel
- Mounting bracket: stainless steel
- Installation: Electrical connection through the provided cable gland (PG13.5)
- Method: surface mount or suspension (with provided mounting bracket)
- Integrated and pre-wired with control gear

**Classifications**
- IP65
- Class I
- Complies with IEC 598

**Main applications**
- General industry, food & beverage industry, dusty areas, wet & moist areas, car parks, storage areas

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**Type**

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**Pacific II TCW097**

**Indoor**
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</table>

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Vandalite

Vandalite is a surface mounted fluorescent luminaire that, as its name implies, is a tough, dust and watertight product for situations where semi-outdoor exposure and vandalism can be a problem. The Vandalite has an IP65 rating, being totally dustproof and waterproof.

Its robust construction makes it virtually vandal-proof. The body is injection moulded, glass filled nylon for long life and added strength. The reflector is of pressed prepainted steel with integral gear and rota-lock lampholders for 1xTL-D 18W lamp or with moulding and posts for 2xPL 18W or 1xPL 36W lamps.
**Vandalite II TCW098**

**Type**
TCW098

**Features**
- Dust- and water-protected, extreme impact resistance
- Optimum light distribution & performance
- Easy installation & maintenance

**Light source**
- Fluorescent:
  - 1 x MASTER TLD / G13 / 18W
- Compact fluorescent, non-integrated:
  - 1 x PL-L 4 Pin / 18, 36 W

**Lamp included**
- Yes (K)

**Gear**
- Electro magnetic (low loss), 240V / 50Hz:
  - Inductive, parallel compensated (IC)

**Materials and finish**
- Housing: Injection, PA66+GF (30%)
- Gear tray: Painted-steel, thickness=0.5mm
- Cover: Clear or Opal PC

**Installation**
- Mounting: Individual
- Method: Holes for screw fitting. Closure of the luminaire by 1 screw each end.

**Classifications**
- IP65
- Class I
- Cover IK10

**Main applications**
- Schools, public amenity areas, prisons, carparks, industrial sites.

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**Preferred selection**

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Please consult your local Philips representative for additional configurations.
Mini Vandalite

The Philips Mini Vandalite luminaire has been designed for use in industrial and public applications where efficiency, vandal resistance, mechanical reliability and non-discoloring UV high impact acrylic diffusers are a must. Mini Vandalite effectively delivers soft, bright light while ensuring improved safety in an elegant, yet simple appearance.
Mini Vandalite FCW098

**Type**
- FCW098

**Features**
- Easy handling and installation
- Water-, dust- and vandal-proof
- Secure
- Compact
- Elegantly designed
- Anti-UV with a tough housing

**Light source**
- Compact fluorescent, non-integrated:
  - 1 x PL-S 2 Pin / 9W
  - 1 x PL-C 2 Pin / 13W
  - 1 x Tornado 24W

**Lamp included**
- Yes (K)

**Gear**
- Electro magnetic 220V/50Hz (for PL-S and PL-C lamps)
- Integrated ballast 220-240V 50/60Hz (for Tornado lamps)

**Materials and finish**
- Housing: Nylon and glass fiber in silver
- Reflector: White painted steel reflector
- Connector: PG
- Cover: Opal

**Classifications**
- IP54
- Class I
- Opal cover IK10

**Main applications**
- Industrial corridors, perimeter lighting, under canopy lighting, residential areas, garages, quays

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