

Cleanroom LED Light



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- Flicker-Free, CRI > 80 & SDCM <5
- Up to 100,000 hours lifespan (L80)
- Waterproof (IP65) & Impact-resistant (IK05)
- Easy splice with Patent designed plug-ins
- Compliant to EEC C/D, Directive (EU) 2019/2020
- Suitable for clean room class ISO 4 to 8.

The Tear Drop linear luminaire from Filt Air is an optimized lighting solution for cleanrooms.

It is based on a new, modular structural concept and features a slim, compact, and smooth housing that minimizes dust accumulation in cleanrooms and meets the requirements of cleanroom classes 10 to 10,000.

The Filt Air cleanroom light also offers excellent light quality and a variety of advanced features such as dimming, motion sensor, and an emergency lighting function. It is the perfect choice for your new construction and renovation projects.



Cleanroom Led Light Technical Data

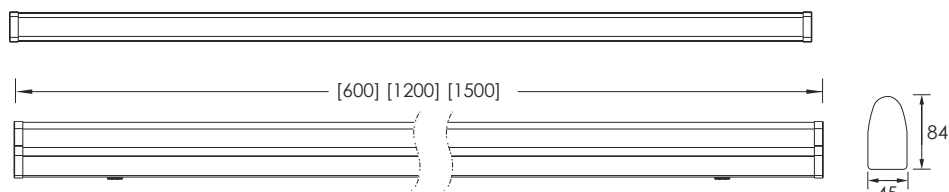
Supply Voltage:	220 – 240 VAC ; 50/60 Hz
Efficiency:	160 lm/W
Power (Model 1200mm):	40 W
Light Emission (1200mm):	6240 lm
Light Color:	4000 K / 5000 K / 6500 K

Zonal Lumen Summary

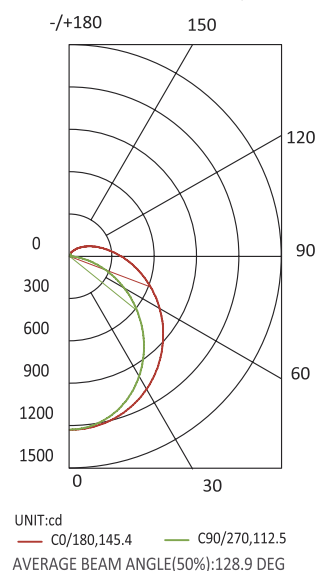
Zone	Lumens	% Luminaire
0-30	1460	23.4
0-40	2259	36.2
0-60	4087	65.5
0-90	5704	91.4
0-120	6240	100.0

Dimensions:

(All dimensions are in millimeters)



Photometry



Technical Explanations:

Lifespan - what's the meaning of 50,000h (L80B10) - after 50,000 hours of operation, the light output of the lamps will have decreased to 80% of their initial output, and 10% of the individual lamps in an installation may have a light output less than that 80% threshold.

Quality - what's the meaning of CRI > 80 - CRI (color rendering index) measure of how faithfully is the revealing of colors of objects compared to sunlight (100%).

Consistency - what's the meaning of SDCM < 5 - SDCM (standard deviation of color matching) this indicates how much the actual color deviates from its target color temperature. The smaller the SDCM value, the less the color variation between different lamps of the same type.

Impact-resistant - what's the meaning IK05 - is an international standard for the degree of protection against external mechanical impacts.

IK05 means protection against an impact energy of 0.7 Joules. (the IK scale ranges from 0 - no protection - to 10 = 20 Joules).