



GENERAL PURPOSE PROFESSIONAL HYBRID LED CEILING LUMINAIRE WITH LIGHTING & DISINFECTING FUNCTION



LUMENMAX ANNIHILATOR PL/CL24-COB-D-UVC

Supply voltage	100-250V AC 50-60 Hz
Wattage	24.3W (neutral white light) / 22.2W (UV-C)
Mounting type / body type	Ceiling recessed (CL24) / Ceiling on-surface (PL24)
Energy efficiency	A+
Driver / power supply	Insulated, constant current, 700mA
LED types	COB 24W / 30 x UVC SMD 3535 + 1 x UVA SMD 3535
Control method	Wall switch + smartphone with ANNIHILATOR LUMENMAX Google Play Application (HULLCS® controller - Bluetooth 4.2 LE+ESP-NOW)
Controller & App functions	Switching on/off, setting disinfection process delay / disinfection time / warning sound volume, dimming, movement detectors co-action, grouping and meshing
Luminous Flux	2400 lm (neutral white light)
Correlated color temperature (CCT)	4200K (for neutral white light), 942
Color rendering index (CRI)	Ra>90
Unified Glare Rating (UGR)	22<UGR<25 (for neutral white light)
Degree of protection	IP44 (front side)
Electric shock protection class	II
Total UV-C radiation power	285 mW
UV-C wave length	273nm (peak)
Emission angle beam	75° (neutral white light) , 44° / 53° (UV-C)
Power factor (cosφ)	>0.90
Starting time	<1s
Heating up time to 60% Φ [lm]	≤0.5s
Conventional lamp substitute	150W (neutral white light)
On/off cycles	≥20 000
Nominal shelf-life / life span	30 000h (neutral white light) L50: 10000h (UV-C), L70: 6000h (UV-C)
Ambient working temperature range	-20°C ~ +40°C
Outer dimensions	CL24: 235 x 76 mm (without mounting clips) PL24: H 120 x φ188 mm
Body material	Stainless - aluminium 6063, 6083
Body color	White matt RAL 9010, UV-resistant acrylic resin powder coating
Cover & diffuser	QUARTZ glass JGS-2, diffuser PMMA UGR
Motion detection	PIR ready (12V)
Dimming	Only by smartfone with ANNIHILATOR LUMENMAX Google Play Application (HULLCS® controller)
Diameter of mounting hole	195mm (CL24)
Maintenance	Replaceable LED modules, drivers & controllers
Fotometric data availability	Dialux EULUMDAT
Warranty period	5 years
Certifications and standards met	CE EMC, CE LVD, RoHS, RED, hygienic certificate, university microbiological pathogens reduction tests

