CleanRoom 3L LED

Type of luminaire
Cleanroom LED luminaire combines excellent optics solution with high degree of protection against dust and water. The luminaire is IP 65 and ensures both efficiency of the light output, high protection against glare (with UGR<19) and long life total maintenance free.

Mounting
The luminaires can be mounted on any ceiling where protection from dust and water is needed. The mounting is done with access from the top of the ceiling in recessed type.

Application
Cleanroom LED can be used in hospitals, operations rooms as it is completely sealed. As the LEDs installed do not emit UV and IR light, the luminaire is perfect for pharmaceutical and food industry.

Optical system
Cleanroom LED is equipped with double parabolic optical system designed especially for LED source of light. The optics is produced from highly efficient anodized aluminum in combination with a dedicated diffuser. For this optical system ELUX has a registered EU design. The luminaire is sealed with tempered glass.

Electrical connection
This LED luminaire is equipped with special IP65 connectors.

ELUX Ltd. reserves the rights to further improve the listed luminaires.

Warranty
The operational life of the LED modules used is more than 50,000 h. The warranty of the luminaire is 5 years.

Technical Specifications*
*All specifications are for Philips components

PRODUCT REVIEW	
Technology	LED
Dimmable	No
Type	Integrated LED
Mount	Recessed
Control gear type	Electronic
Housing material	Steel
Lumen maintenance L70/B50	>70 000h
Lumen maintenance L80/B10	>60 000h
Photo biological Risk Group	0
Luminaire efficacy (lm/W)	124
SDCM	3
Fixture Luminous Flux	5100lm
Glare control	UGR < 17
Color temperature (K)	4000
IP	65
IK	07
GENERAL DATA	
Ordering №	
Product name	CleanRoom 3L
General applications	Hospitals, operations rooms Pharmaceutical industry
Sales pack quantity	1
Operating temperature range (°C)	25
Housing color	White RAL 9016
ELECTRICAL DATA	
Luminaire Input Power (W)	41
Inrush duration (µs)	282
Inrush current (A)	17.8
Drive current (mA)	276
Max luminaires per 10A C Breaker	24
Max luminaires per 13A C breaker	32
Max luminaires per 16A C Breaker	40
Max luminaires per 20A C breaker	49
Max luminaires per 10A B breaker	15
Max luminaires per 13A B breaker	19
Max luminaires per 16A B breaker	≤24

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Max luminaires per 20A B breaker	30
CRI	>80
Electrical protection	Class I
Glow wire test (°C)	850
Lamp energy label (class)	A++
Nominal input voltage	220...240
Nominal frequency (Hz)	50...60

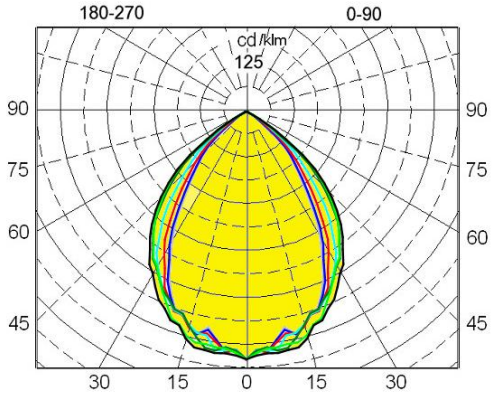
PHYSICAL DATA

Lamp included	Yes
Included lamp	Integrated LED
Nominal product height (mm)	67
Nominal product width (mm)	625
Nominal product length (mm)	625
Weight (kg)	
Diffuser finish	Glass

PACKAGING

Single packaging type	Carton
Packaging outer length (cm)	63
Packaging outer width (cm)	63
Packaging outer height (cm)	7.2
Single package volume (dm3)	28.57
Single product gross weight (kg)	
Single packaging weight (kg)	0.2

PHOTOMETRY



TECHNICAL DRAWINGS

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