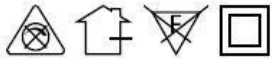


ESTUS 12W

ESTUS SWIVEL
Indoor Luminaire
Product Code:

LETS36R012XC / LETS36R012XN / LETS36R012XW
12W - 1140lm - 6500K - CRI>80 Ra - Beam Angle 36°



Technical Specifications

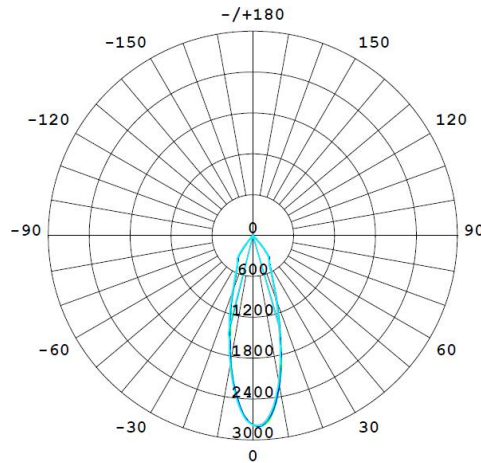
Operating Temperature	-10°C to 40°C
Rated Input Voltage & Frequency	220 ~ 240 V/AC, 50Hz
Rated Input Wattage	12W ± 10%
Rated Input Current	0.058 Amp (Nominal)
Power Factor	≥0.90
ATHD	<15%
Rated Luminous Flux	≥ 1140 lm / 1080 lm / 1020 lm (tolerance as per BIS)
Rated Luminaire Efficacy	≥ 95 lm/W / 90 lm/W / 85 lm/W (tolerance as per BIS)
Correlated Color Temperature (CCT)	6500 K / 4000 K / 3000 K (tolerance as per ANSI)
Color Rendering Index (CRI)	>80 Ra
Beam Angle	36° (within the permissible limits)
Driver Efficiency	≥85%
LED Life Span	>50000 Hrs (Ta=25°C @L70)
Housing	Die Cast Aluminium with White Powder Coating
Lens / Reflector	PC Lens & Reflector
Mounting	Recessed

Protections

Over Voltage Protection	Withstand upto 440V/AC for 4 Hrs.
Surge Protection	±4.0KV
Protection Class	Class II
Ingress Protection (IP Rating)	IP20
Impact Protection (IK Rating)	IK02
Short Circuit Protection	Provided
Open Circuit Protection (No Load)	Provided
Reverse Polarity Protection	Provided

All technical data is subject to industry-standard tolerances.

Light Distribution



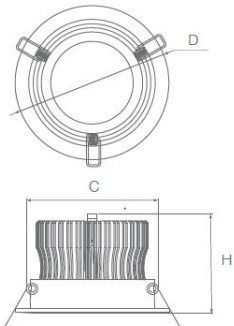
UGR Table

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	Viewed crosswise					Viewed endwise					
x = 2H y = 2H	20.3	21.2	20.6	21.4	21.5	18.9	19.7	19.1	19.9	20.1	
3H	20.3	21.1	20.6	21.3	21.5	18.8	19.6	19.1	19.8	20.0	
4H	20.3	21.0	20.6	21.3	21.5	18.8	19.6	19.1	19.8	20.0	
6H	20.3	21.0	20.6	21.3	21.5	18.9	19.7	19.2	19.9	20.1	
8H	20.4	21.0	20.7	21.3	21.6	19.0	19.7	19.3	20.0	20.2	
12H	20.4	21.1	20.7	21.4	21.6	19.1	19.7	19.4	20.0	20.3	
4H	2H	20.1	20.9	20.4	21.1	21.3	18.7	19.5	19.0	19.7	19.9
3H	20.1	20.8	20.5	21.1	21.3	18.7	19.4	19.0	19.6	19.9	
4H	20.1	20.8	20.5	21.0	21.4	18.8	19.4	19.1	19.7	20.0	
6H	20.2	20.8	20.6	21.1	21.5	19.0	19.5	19.4	19.9	20.2	
8H	20.4	20.9	20.8	21.2	21.6	19.2	19.6	19.5	20.0	20.4	
12H	20.5	21.0	20.9	21.3	21.7	19.3	19.7	19.7	20.1	20.5	
8H	4H	20.1	20.6	20.5	20.9	21.3	18.7	19.2	19.1	19.6	19.9
6H	20.3	20.7	20.7	21.1	21.5	19.1	19.5	19.5	19.9	20.3	
8H	20.5	20.8	20.9	21.2	21.7	19.3	19.7	19.8	20.1	20.5	
12H	20.7	21.0	21.2	21.5	21.9	19.6	19.9	20.0	20.3	20.8	
12H	4H	20.0	20.5	20.5	20.9	21.3	18.7	19.2	19.1	19.5	19.9
6H	20.3	20.6	20.7	21.0	21.5	19.1	19.5	19.6	19.9	20.3	
8H	20.5	20.8	21.0	21.3	21.7	19.4	19.7	19.9	20.1	20.6	
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 3.3 / - 4.9					+ 2.6 / - 2.5					
1.5H	+ 5.8 / - 4.8					+ 4.8 / - 2.3					
2.0H	+ 0.9 / - 0.5					+ 0.3 / - 0.3					

Product Dimensions (DiaxH)

Ø110x85 mm (Tol. ± 5 mm), Cutout Size Ø95 mm

Line Diagram



Applications

Residences, Offices, Small Retail Shops, Hotels, Coffee Shops, Restaurants, Hospitals, area lighting and for other indoor applications.