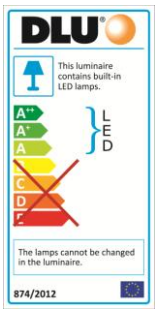
LED FIXTURES
EXTRAFLAT WALL-MOUNTED FIXTURE 18W

External diameter = 227 ±1mm
Height = 38 ±1mm

External sides = 227x227 ±1mm
Height = 38 ±1mm



CE
RoHS
ECODESIGN product Dir. 2009/125

Fixed Extraflat wall-mounted fixture, integrating an array of high power LEDs geared by a constant current LED driver. Fixture body in diecast Aluminium with opaque white painting; frontal screen in polycarbonate with frosted finish. ROUND or SQUARE models.

ITEM CODE	Model	V_{in}	P_{nom} (W)	PF	Luminous flux (lm)	lm/W	T_c (K)	R_a	Axis cd	Beam Opening
FLLDJ7VAC-W	Round	220-240V 50/60Hz	18	> 0.50	1400	77.8	3000	> 80	550	110°
FLLDJ7V2C-W	Round	220-240V 50/60Hz	18	> 0.50	1400	77.8	4000	> 80	550	110°
FLLDJ7VEC-W	Round	220-240V 50/60Hz	18	> 0.50	1400	77.8	6500	> 80	550	110°
FLLDJ7VAC-S	Square	220-240V 50/60Hz	18	> 0.50	1400	77.8	3000	> 80	550	110°
FLLDJ7V2C-S	Square	220-240V 50/60Hz	18	> 0.50	1400	77.8	4000	> 80	550	110°
FLLDJ7VEC-S	Square	220-240V 50/60Hz	18	> 0.50	1400	77.8	6500	> 80	550	110°

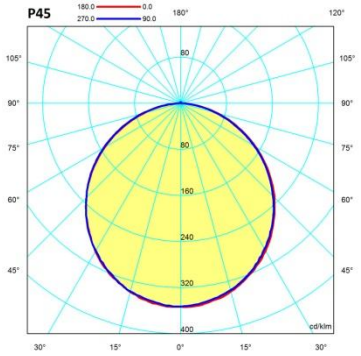
Characteristics of the LED Driver
Constant current LED driver. The connection is done by plugging the plug present on the output-wire of the driver into the plug installed onto the input-wire of the LED module, respecting the polarization.

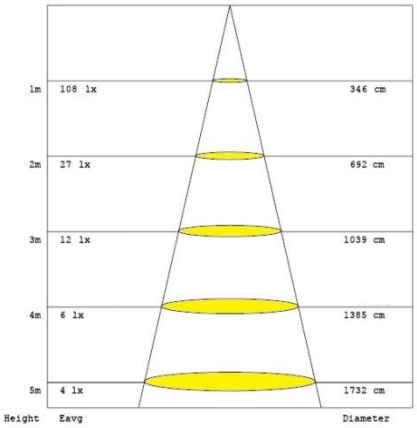
PRI	SEC	Operating Temperature	L x W x H (mm)	
220-240V 50/60Hz 0.3A max	70-100VDC 180mA	T_a = 50°C T_c = 75°C	89 x 39 x 25	

Operating electric conditions	Vin = 220-240V 50/60Hz
Insulating class	
Not Adjustable	
Lamp not suitable for accent lighting	
Average lifetime L70, F50 (*)	30.000 hours
For indoor use only	
Recommended ambient temperature	
Degree of protection against ingress of dust, solid objects and moisture	IP20
Degree of protection against external mechanical impacts	IK07
Weight (driver included)	ROUND MODEL: 0.510kg SQUARE MODEL: 0.650kg
Lamp Survival Factor @6000h	0.90
Lamp Lumen Maintenance Factor @6000h	0.80
Lamp Lumen Maintenance Factor @30.000h	70% (L70)
Starting time	< 0.4s
Number of Switching cycles before failure	> 15.000
Warm-up time (to 95% of the steady-state luminous output)	< 2.0s
Failure rate @1000h	< 5.0%
Colour consistency	MacAdam ellipses step ≤ 6
Mercury and dangerous substances	Absent
UV and IR radiation	Absent
LED lamp classified RISK GROUP 1 in application of the EN 62471: 2008 (CIE S009:2002) standards "Photobiological safety of lamps and lamp systems" and in application of the European Directive 2006/25 on the minimum health and safety requirements regarding the exposure of workers to risks arising from physical agents (artificial optical radiation).	

(*) After 30.000 hours, the luminous flux is at least the 70% of the initial flux and the 50% of the fixtures are still functioning.

Photometric curve	LUMINANCE IN FRONT OF THE EMITTING SURFACE	UGR Table



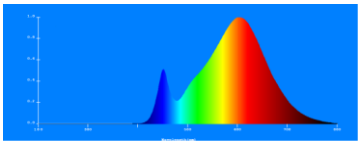


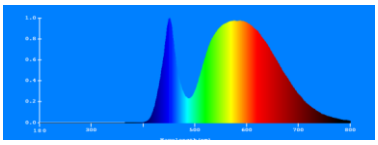
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	17.6	19.3	18.1	19.5	19.7	17.6	19.1	17.9	19.3	19.6
3H	19.3	20.7	19.6	20.9	21.2	19.1	20.5	19.4	20.7	21.0
4H	19.9	21.2	20.2	21.5	21.8	19.7	21.0	20.0	21.3	21.5
6H	20.3	21.6	20.7	21.9	22.2	20.1	21.3	20.4	21.6	21.9
8H	20.5	21.7	20.8	22.0	22.3	20.2	21.4	20.6	21.7	22.0
12H	20.6	21.7	20.9	22.0	22.4	20.3	21.4	20.6	21.7	22.1
4H 2H	18.3	19.7	18.7	19.9	20.2	18.2	19.5	18.5	19.8	20.1
3H	20.0	21.2	20.4	21.5	21.8	19.9	21.0	20.2	21.3	21.7
4H	20.6	21.8	21.2	22.2	22.5	20.6	21.6	21.0	22.0	22.3
6H	21.3	22.3	21.8	22.7	23.0	21.1	22.1	21.5	22.4	22.8
8H	21.5	22.4	22.0	22.8	23.2	21.3	22.2	21.7	22.5	22.9
12H	21.7	22.5	22.1	22.9	23.3	21.4	22.2	21.8	22.6	23.0
8H 4H	21.0	21.9	21.4	22.3	22.7	20.8	21.7	21.3	22.1	22.5
6H	21.7	22.5	22.2	22.9	23.3	21.5	22.3	22.0	22.7	23.1
8H	22.0	22.7	22.5	23.1	23.6	21.8	22.4	22.2	22.9	23.3
12H	22.2	22.8	22.7	23.2	23.7	21.9	22.5	22.4	23.0	23.5
12H 4H	21.0	21.8	21.5	22.2	22.7	20.9	21.7	21.3	22.1	22.5
6H	21.8	22.4	22.2	22.9	23.3	21.6	22.2	22.0	22.7	23.1
8H	22.1	22.6	22.6	23.1	23.6	21.9	22.4	22.4	22.9	23.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.9					+ 0.2 / - 0.9				
2.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.9				

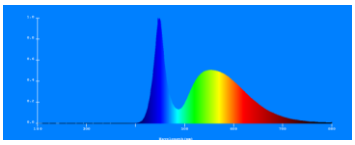
CIE Pub.117 Corrected 1311 lm Total Lamp Luminous Flux.(0log(F/F0) = 0.9)

Spectral Power Distribution 180-800nm

3000K F 3000 830/359	4000K F 4000 840/359	6500K F 6500 865/359







Reference Standards:
EN60598-1; EN62031; EN50102; CEI EN 61347-1; CEI EN 61347-2-13; IEC draft 34A/1444/PAS (IEC/PAS 62717 Ed.1); IEC62471; IEC/TR 62471-2; EN55015; EN61000-3-2; EN61000-3-3; EN61547; EN62493
European Directives and Regulations: 2014/35; 2014/30; 92/31; 93/68; 2009/125 (Reg.no.1194/2012; no.1428/2015); 2010/30 (Reg.no.874/2012); 2012/27; 2011/65; 2012/19

Correct disposal of this product
(Waste Electrical & Electronic Equipment)
Applicable in countries with separate collection systems

This graphic symbol placed on the product and on the package indicates that the product should not be disposed with other household waste.
To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and responsibly recycle them to promote the sustainable reuse of material resources.
Household users should contact either the retailer where they purchased the product, or their local government office, for details on where and how they can take these items for environmentally safe recycling.
Business users should contact their supplier and check the terms and conditions of the purchase contract; this product should not be mixed with other commercial wastes for disposal.