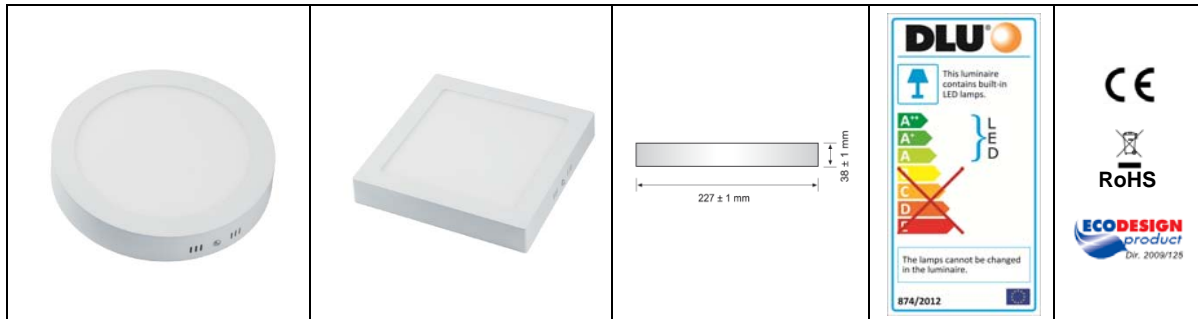


LED FIXTURES EXTRAFLAT WALL-MOUNTED FIXTURE 18W








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.

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.

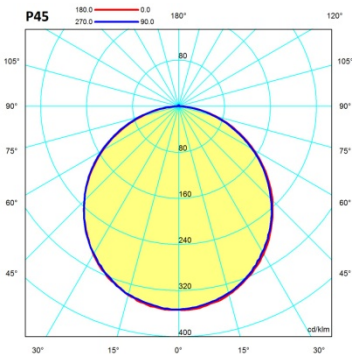
PRI	SEC	Operating Temperature	
220-240V 50/60Hz 0.3A max	45-65VDC 250mA	T _a = 50°C T _c = 75°C	

Operating electric conditions	220-240V 50/60Hz
Insulating class	
Not Adjustable	
Useful lifetime	30.000h L70 (Ta=25°C)
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: 0.350kg SQUARE MODEL: 0.450kg
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

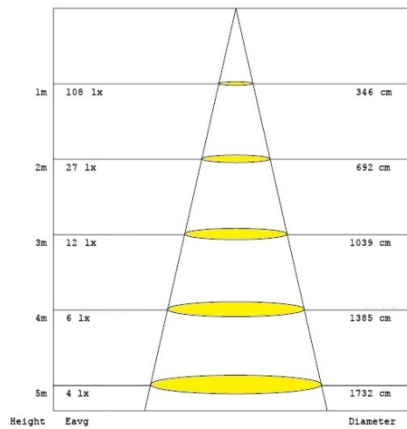
LED lamp classified RISK GROUP 1 in application of the EN 62471: 2008 (CIE S009:2002) standards "Photobiological safety of lamps and lamp systems" and in application of the European Directive 2006/25 on the minimum health and safety requirements regarding the exposure of workers to risks arising from physical agents (artificial optical radiation).



PHOTOMETRICS



LUMINANCE IN FRONT OF THE EMITTING SURFACE



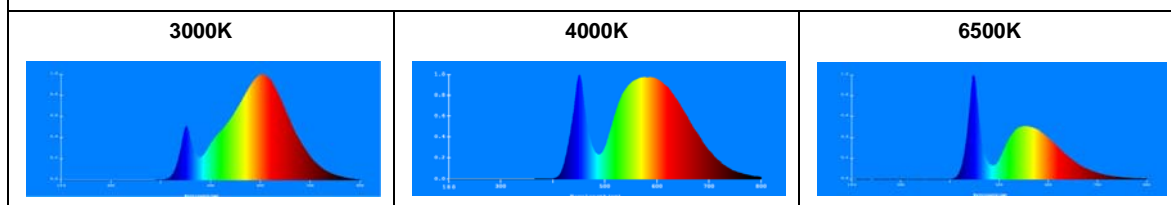
UGR Table

ceiling/cavity	0.7	0.7	0.6	0.5	0.3	0.7	0.7	0.6	0.5	0.3
walls	0.6	0.3	0.5	0.3	0.3	0.6	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										
a = 2h y = 2h	17.8	19.3	18.1	19.6	19.7	17.6	19.1	17.9	19.3	19.4
2h	19.3	20.7	19.8	20.9	21.2	19.1	20.6	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	21.6
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	20.4	21.7	22.0
12h	20.6	21.7	20.9	22.0	22.4	20.3	21.4	20.4	21.7	22.1
Viewed sidewise										
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	20.8	21.8	21.2	22.2	22.6	20.4	21.4	21.0	22.0	22.3
6h	21.3	22.3	21.8	22.7	23.0	21.1	22.1	21.6	22.6	22.9
8h	21.5	22.4	22.0	22.8	23.2	21.3	22.2	21.7	22.6	22.9
12h	21.7	22.5	22.1	22.9	23.3	21.4	22.2	21.8	22.6	23.0
3h	21.0	21.9	21.4	22.3	22.7	20.8	21.7	21.3	22.1	22.5
4h	21.7	22.5	22.2	22.9	23.3	21.5	22.3	22.0	22.7	23.1
6h	22.0	22.7	22.5	23.1	23.4	21.8	22.4	22.2	22.9	23.3
8h	22.2	22.8	22.7	23.2	23.7	21.9	22.6	22.4	23.0	23.5
12h	22.3	22.8	22.8	23.3	23.8	21.9	22.4	22.4	22.9	23.4

Variations with the observer position at openings:
 S = 1.0h + 0.2 / - 0.2 + 0.2 / - 0.2
 1.8h + 0.2 / - 0.3 + 0.2 / - 0.3
 3.0h + 0.2 / - 0.2 + 0.2 / - 0.3

CIE Pub.117 Corrected 1911 lm Total Lamp Luminous Flux. (Ring/FF%) = 0.9

Spectral Power Distribution 180-800nm



Reference Standards: EN60598-1; EN 62722-2-1; IEC62471; EN55015; EN61000-3-2; EN61000-3-3; EN61547; EN62493
 EU Directives and Regulations: 2014/35; 2014/30; 92/31; 93/68; 2009/125 (Reg.no.1194/2012); 2012/27 (Reg.Del. no.874/2012 and Reg. no.1369/2017); 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.