






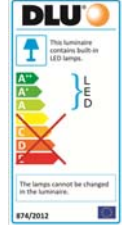



LED FIXTURES

FIXED IP65 FIXTURES WITH INTEGRATED LEDs

11W (1x18W T8)	23W (2x18W T8)	23W (1x36W T8)	48W (2x36W T8)	30W (1x58W T8)	58W (2x58W T8)																					
																										
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Fixed IP65 wall-mounting fixture, integrating an array of high power LEDs geared by a constant current LED driver. TÜV Süd quality mark. Frontal screen in Polycarbonate with frosted finish and rifling. Body of the fixture and clips for closing the frontal screen made in ABS. U-Bars for wall fixation in stainless steel.
 Accessory (to be separately ordered): clips for closing the frontal screen made in stainless steel.

ITEM CODE	V _{in}	P _{nom} (W)	PF	Luminous flux (lm)	lm/W	T _c (K)	R _a	Axis cd	Beam Opening	Eq. fluo T8
FLL5D7V2A	220-240V 50/60Hz	11	≥ 0.90	1070	97.2	4000	> 80	320	100°	1 x 18W
FLL5D7VEA	220-240V 50/60Hz	11	≥ 0.90	1120	101.8	6500	> 80	340	100°	1 x 18W
FLL5K7V2A	220-240V 50/60Hz	23	≥ 0.90	2100	91.3	4000	> 80	700	100°	2 x 18W
FLL5K7VEA	220-240V 50/60Hz	23	≥ 0.90	2200	95.6	6500	> 80	750	100°	2 x 18W
FLL5K7V2B	220-240V 50/60Hz	23	≥ 0.90	2100	91.3	4000	> 80	700	100°	1 x 36W
FLL5K7VEB	220-240V 50/60Hz	23	≥ 0.90	2200	95.6	6500	> 80	750	100°	1 x 36W
FLL5R7V2C	220-240V 50/60Hz	48	≥ 0.90	4300	89.6	4000	> 80	1550	100°	2 x 36W
FLL5R7VEC	220-240V 50/60Hz	48	≥ 0.90	4500	93.7	6500	> 80	1630	100°	2 x 36W
FLL5P7V2D	220-240V 50/60Hz	30	≥ 0.90	2700	90	4000	> 80	920	100°	1 x 58W
FLL5P7VED	220-240V 50/60Hz	30	≥ 0.90	2850	95	6500	> 80	970	100°	1 x 58W
FLL5T7V2E	220-240V 50/60Hz	58	≥ 0.90	5100	87.9	4000	> 80	1800	100°	2 x 58W
FLL5T7VEE	220-240V 50/60Hz	58	≥ 0.90	5300	91.4	6500	> 80	1900	100°	2 x 58W

Accessory Code	Description	Shipment Unit
FLLCLIPME	Clips for closing the frontal screen made in stainless steel	12-pcs bag



Operating electric conditions	220-240V 50/60Hz																												
Insulating class																													
Not Adjustable																													
Useful lifetime	30.000h L70 (Ta=25°C)																												
Recommended ambient temperature																													
Degree of protection against ingress of dust, solid objects and moisture	IP65																												
Degree of protection against external mechanical impacts	IK08																												
Weight	<table border="1"> <thead> <tr> <th>Item code</th> <th>P_{nom} (W)</th> <th>Equivalent Fluo T8</th> <th>kg</th> </tr> </thead> <tbody> <tr> <td>FLL5D7V2A; FLL5D7VEA</td> <td>11</td> <td>1x18W</td> <td>0.8</td> </tr> <tr> <td>FLL5K7V2A; FLL5K7VEA</td> <td>23</td> <td>2x18W</td> <td>1.3</td> </tr> <tr> <td>FLL5K7V2B; FLL5K7VEB</td> <td>23</td> <td>1x36W</td> <td>1.5</td> </tr> <tr> <td>FLL5R7V2C; FLL5R7VEC</td> <td>48</td> <td>2x36W</td> <td>2.1</td> </tr> <tr> <td>FLL5P7V2D; FLL5P7VED</td> <td>30</td> <td>1x58W</td> <td>1.9</td> </tr> <tr> <td>FLL5T7V2E; FLL5T7VEE</td> <td>58</td> <td>2x58W</td> <td>2.7</td> </tr> </tbody> </table>	Item code	P _{nom} (W)	Equivalent Fluo T8	kg	FLL5D7V2A; FLL5D7VEA	11	1x18W	0.8	FLL5K7V2A; FLL5K7VEA	23	2x18W	1.3	FLL5K7V2B; FLL5K7VEB	23	1x36W	1.5	FLL5R7V2C; FLL5R7VEC	48	2x36W	2.1	FLL5P7V2D; FLL5P7VED	30	1x58W	1.9	FLL5T7V2E; FLL5T7VEE	58	2x58W	2.7
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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																												

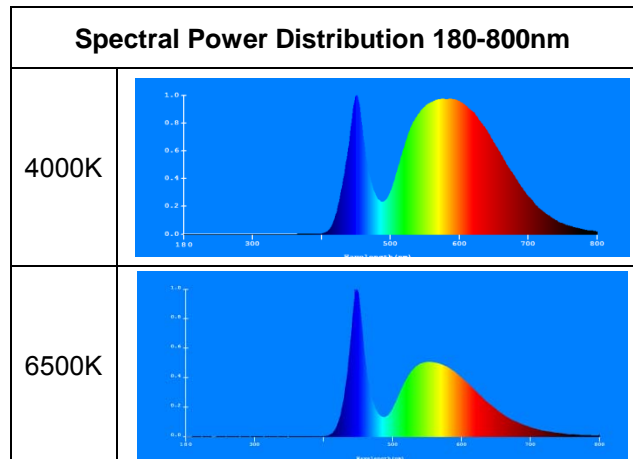
LED system classified EXEMPT (RISK GROUP 0) in application of the EN 62471: 2008 (CIE S009:2002) standards "Photobiological safety of lamps and lamp systems" and in application of the European Directive 2006/25 on the minimum health and safety requirements regarding the exposure of workers to risks arising from physical agents (artificial optical radiation).

Accessories (to be separately ordered)	For Permanent emergency autonomy 1h	Add the KIT (Emergency unit + battery) model "emerLED 12-50V 3W 1h" (ref 9953061) by ELT
	For Permanent emergency autonomy 3h	Add the KIT (Emergency unit + battery) model "emerLED 12-50V 3W 3h" (ref 9953062) by ELT




	Photometric curve	LUMINANCE IN FRONT OF THE EMITTING SURFACE																		
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23W (2x18W fluo)	<p>P51</p> <p>Legend: — 180.0 — 270.0 — 0.0 — 90.0</p> <p>Scale: 0° to 120° (vertical), 30° to 0° to 30° (horizontal). Values: 70, 140, 210, 280, 350 cd/klm.</p>	<table border="1" style="margin: 10px auto;"> <thead> <tr> <th>Height</th> <th>Eavg</th> <th>Diameter</th> </tr> </thead> <tbody> <tr><td>1m</td><td>258 lx</td><td>244 cm</td></tr> <tr><td>2m</td><td>64 lx</td><td>489 cm</td></tr> <tr><td>3m</td><td>28 lx</td><td>733 cm</td></tr> <tr><td>4m</td><td>16 lx</td><td>978 cm</td></tr> <tr><td>5m</td><td>10 lx</td><td>1223 cm</td></tr> </tbody> </table>	Height	Eavg	Diameter	1m	258 lx	244 cm	2m	64 lx	489 cm	3m	28 lx	733 cm	4m	16 lx	978 cm	5m	10 lx	1223 cm
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Reference Standards: EN60598-1; EN60598-2-1; 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

	<p>Correct disposal of this product (Waste Electrical & Electronic Equipment) Applicable in countries with separate collection systems</p> <p>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.</p>
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