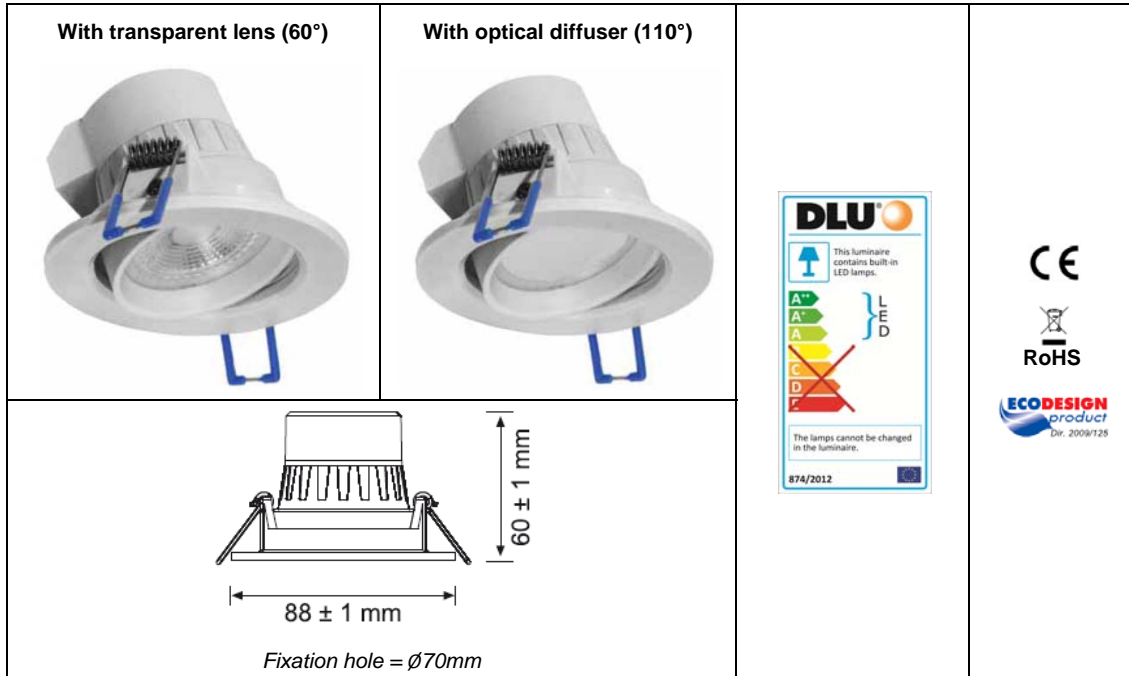






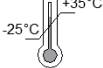

LED FIXTURES FIXED RECESSED DOWNLIGHTER MR16/GU10 7W TILTING *ECO BRIGHT*



Fixed recessed downlighter for false ceiling, integrating an array of high power LEDs geared by an internal LED driver. Substitution of fixtures for GU10/MR16 halogen lamps. 50° tilting angle around the vertical axis. Fixture body in polycarbonate with opaque white finish; frontal screen in polycarbonate with two options: transparent lens or frosted diffuser. Two sustaining springs in stainless steel. Available accessory: Frontal ring in polycarbonate, grey painted finish (to be separately ordered)

CODE	V _{in}	P _{nom} (W)	PF	Luminous Flux (lm)	lm/W	T _c (K)	R _a	Axis cd	Beam Opening	Frontal Glass
FLLD57VA9-T	220-240V 50/60Hz	7	> 0.50	650	92.9	3000	> 80	600	60°	Transparent Lens
FLLD57VE9-T	220-240V 50/60Hz	7	> 0.50	650	92.9	6500	> 80	600	60°	Transparent Lens
FLLD57VAC-T	220-240V 50/60Hz	7	> 0.50	650	92.9	3000	> 80	250	110°	Optical Diffuser

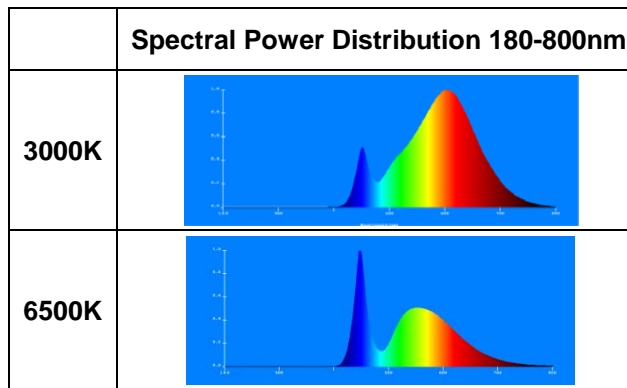
Accessory Code	Description	Finish	Shipment Unit	
MM88RINGS	Frontal ring in polycarbonate	GREY painting	6-pcs box	

Operating electric conditions	220-240V 50/60Hz
Insulating class	
Not Adjustable	
False ceiling hole	
Useful lifetime	25.000h L70 (Ta=25°C)
For indoor use only	
Recommended ambient temperature	
Not suitable for covering with thermally insulated material	
Protection degree	V.I. IP20; V.O. IP23
Weight	120g
Lamp Survival Factor @6000h	0.90
Lamp Lumen Maintenance Factor @6000h	0.80
Lamp Lumen Maintenance Factor @25.000h	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 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).



	PHOTOMETRICS	LUMINANCE IN FRONT OF THE EMITTING SURFACE	UGR Table																																																												
<p>FLLD57VA9-T</p> <p>FLLD57VE9-T</p>	<p>P42</p>	<p>Height Avg Angle: 60 deg Diameter</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Height</th> <th>Beam diameter</th> <th>Beam diameter</th> <th>Beam diameter</th> <th>Beam diameter</th> <th>Beam diameter</th> <th>Beam diameter</th> <th>Beam diameter</th> <th>Beam diameter</th> <th>Beam diameter</th> </tr> </thead> <tbody> <tr> <td>1m</td> <td>174 lx</td> <td>200 cm</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2m</td> <td>43 lx</td> <td>400 cm</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3m</td> <td>19 lx</td> <td>600 cm</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4m</td> <td>10 lx</td> <td>800 cm</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5m</td> <td>6 lx</td> <td>1000 cm</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Height	Beam diameter	Beam diameter	Beam diameter	Beam diameter	Beam diameter	Beam diameter	Beam diameter	Beam diameter	Beam diameter	1m	174 lx	200 cm								2m	43 lx	400 cm								3m	19 lx	600 cm								4m	10 lx	800 cm								5m	6 lx	1000 cm							
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<p>FLLD57VAC-T</p>	<p>P43</p>	<p>Height Avg Angle: 110 deg Diameter</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Height</th> <th>Beam diameter</th> <th>Beam diameter</th> <th>Beam diameter</th> <th>Beam diameter</th> <th>Beam diameter</th> <th>Beam diameter</th> <th>Beam diameter</th> <th>Beam diameter</th> <th>Beam diameter</th> </tr> </thead> <tbody> <tr> <td>1m</td> <td>53 lx</td> <td>346 cm</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2m</td> <td>13 lx</td> <td>692 cm</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3m</td> <td>5 lx</td> <td>1039 cm</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4m</td> <td>3 lx</td> <td>1385 cm</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5m</td> <td>2 lx</td> <td>1732 cm</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Height	Beam diameter	Beam diameter	Beam diameter	Beam diameter	Beam diameter	Beam diameter	Beam diameter	Beam diameter	Beam diameter	1m	53 lx	346 cm								2m	13 lx	692 cm								3m	5 lx	1039 cm								4m	3 lx	1385 cm								5m	2 lx	1732 cm							
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Reference Standards: EN60598-1; EN60598-2-5; EN62031; 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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