
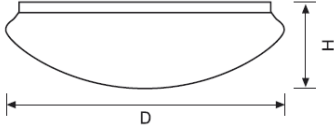
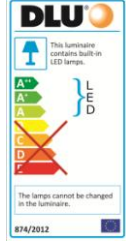

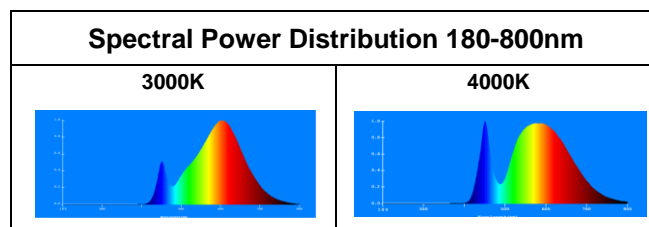


LED FIXTURES WALL-MOUNTED “CEILING LIGHT” IP44

															
	<table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th></th> <th>D (mm)</th> <th>H (mm)</th> </tr> </thead> <tbody> <tr> <td>14W</td> <td>260±1mm</td> <td>100±1mm</td> </tr> <tr> <td>18W</td> <td>340±1mm</td> <td>105±1mm</td> </tr> <tr> <td>24W</td> <td>380±1mm</td> <td>110±1mm</td> </tr> </tbody> </table>		D (mm)	H (mm)	14W	260±1mm	100±1mm	18W	340±1mm	105±1mm	24W	380±1mm	110±1mm		
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
Fixed wall-mounted ROUND fixture, with an array of high power LEDs geared by an integrated LED driver. Fixation plate in steel with matt white painted finish. IP44 against ingress of dust, solid objects and moisture. Frontal screen in MS (SMMA methyl Methacrylate-Styrene copolymer) with opal finish.


CODE	V _{in}	P _{nom} (W)	PF	Luminous Flux (lm)	lm/W	T _c (K)	R _a	Beam Opening
FLLRU7VAP	220-240V 50/60Hz	14	> 0.50	900	64.2	3000	≥ 80	120°
FLLRU7V2P	220-240V 50/60Hz	14	> 0.50	950	67.8	4000	≥ 80	120°
FLLRJ7VAP	220-240V 50/60Hz	18	> 0.50	1190	66.1	3000	≥ 80	120°
FLLRJ7V2P	220-240V 50/60Hz	18	> 0.50	1200	66.6	4000	≥ 80	120°
FLLRZ7VAP	220-240V 50/60Hz	24	> 0.50	1760	73.3	3000	≥ 80	120°
FLLRZ7V2P	220-240V 50/60Hz	24	> 0.50	1790	74.5	4000	≥ 80	120°

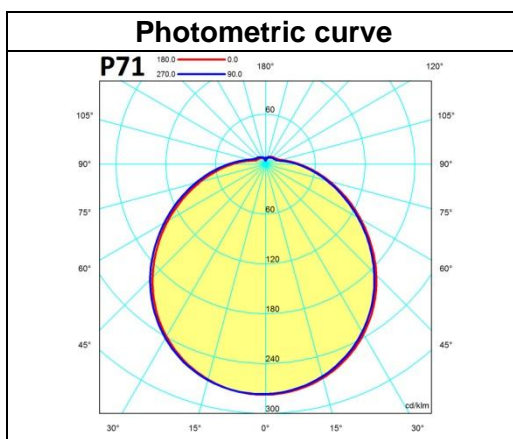


Reference Standards: EN60598-1; EN 62722-2-1; IEC62471; EN55015; EN61000-3-2; EN61000-3-3; EN61547; EN62493

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

Operating electric conditions	220-240V 50/60Hz
Insulating class	
Not Dimmable	
Useful lifetime	25.000h L70 (Ta=25°C)
Recommended ambient temperature	
Degree of protection against ingress of dust, solid objects and moisture	IP44
Degree of protection against external mechanical impacts	IK05
Weight	14W → 360g 18W → 650g 24W → 700g
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
<p><i>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).</i></p>	

	<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.</p> <p>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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	LUMINANCE IN FRONT OF THE EMITTING SURFACE	UGR Table																																																																																																																																																																																																																																																																																																																																	
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18W	<p style="text-align: center;">Height Eavg Diameter</p>	<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>ceiling/cavity</th><th>0.7</th><th>0.7</th><th>0.5</th><th>0.5</th><th>0.3</th><th>0.7</th><th>0.7</th><th>0.5</th><th>0.5</th><th>0.3</th></tr> <tr> <th>walls</th><td>0.5</td><td>0.3</td><td>0.5</td><td>0.3</td><td>0.3</td><td>0.5</td><td>0.3</td><td>0.5</td><td>0.3</td><td>0.3</td></tr> <tr> <th>working plane</th><td>0.2</td><td>0.2</td><td>0.2</td><td>0.2</td><td>0.2</td><td>0.2</td><td>0.2</td><td>0.2</td><td>0.2</td><td>0.2</td></tr> </thead> <tbody> <tr> <td>Room dimensions</td><td colspan="5" style="text-align: center;">(Viewed crosswise)</td><td colspan="5" style="text-align: center;">(Viewed endwise)</td></tr> <tr> <td>x = 2m y = 2m</td><td>11.4</td><td>12.8</td><td>11.9</td><td>13.3</td><td>13.7</td><td>11.8</td><td>13.2</td><td>12.2</td><td>13.6</td><td>14.1</td></tr> <tr> <td>3m</td><td>13.4</td><td>14.7</td><td>13.8</td><td>15.1</td><td>15.6</td><td>13.8</td><td>15.1</td><td>14.3</td><td>15.6</td><td>16.1</td></tr> <tr> <td>4m</td><td>14.4</td><td>16.0</td><td>14.8</td><td>16.1</td><td>16.6</td><td>14.9</td><td>16.1</td><td>15.4</td><td>16.6</td><td>17.1</td></tr> <tr> <td>6m</td><td>15.4</td><td>16.8</td><td>15.9</td><td>17.1</td><td>17.6</td><td>16.0</td><td>17.2</td><td>16.6</td><td>17.7</td><td>18.3</td></tr> <tr> <td>8m</td><td>16.0</td><td>17.1</td><td>16.5</td><td>17.6</td><td>18.2</td><td>16.7</td><td>17.8</td><td>17.2</td><td>18.3</td><td>18.9</td></tr> <tr> <td>12m</td><td>16.6</td><td>17.7</td><td>17.1</td><td>18.2</td><td>18.8</td><td>17.4</td><td>18.5</td><td>17.9</td><td>19.0</td><td>19.6</td></tr> <tr> <td>4m</td><td>2m</td><td>12.1</td><td>13.4</td><td>12.6</td><td>13.8</td><td>14.4</td><td>12.4</td><td>13.6</td><td>12.9</td><td>14.1</td><td>14.6</td></tr> <tr> <td>3m</td><td>3m</td><td>14.3</td><td>15.4</td><td>14.8</td><td>15.9</td><td>16.4</td><td>14.6</td><td>15.7</td><td>15.2</td><td>16.2</td><td>16.8</td></tr> <tr> <td>4m</td><td>4m</td><td>15.4</td><td>16.4</td><td>16.0</td><td>17.0</td><td>17.6</td><td>15.9</td><td>16.9</td><td>16.4</td><td>17.4</td><td>18.0</td></tr> <tr> <td>6m</td><td>6m</td><td>16.7</td><td>17.6</td><td>17.2</td><td>18.1</td><td>18.8</td><td>17.2</td><td>18.1</td><td>17.8</td><td>18.7</td><td>19.3</td></tr> <tr> <td>8m</td><td>8m</td><td>17.3</td><td>18.2</td><td>17.9</td><td>18.7</td><td>19.4</td><td>18.0</td><td>18.8</td><td>18.5</td><td>19.4</td><td>20.0</td></tr> <tr> <td>12m</td><td>12m</td><td>18.1</td><td>18.8</td><td>18.7</td><td>19.4</td><td>20.1</td><td>18.8</td><td>19.6</td><td>19.4</td><td>20.2</td><td>20.6</td></tr> <tr> <td>8m</td><td>4m</td><td>15.9</td><td>16.7</td><td>16.5</td><td>17.3</td><td>18.0</td><td>16.3</td><td>17.1</td><td>16.9</td><td>17.7</td><td>18.4</td></tr> <tr> <td>6m</td><td>6m</td><td>17.4</td><td>18.1</td><td>18.0</td><td>18.7</td><td>19.4</td><td>17.9</td><td>18.6</td><td>18.5</td><td>19.2</td><td>19.9</td></tr> <tr> <td>8m</td><td>8m</td><td>18.2</td><td>18.9</td><td>18.9</td><td>19.5</td><td>20.2</td><td>18.8</td><td>19.4</td><td>19.4</td><td>20.1</td><td>20.5</td></tr> <tr> <td>12m</td><td>12m</td><td>19.2</td><td>19.8</td><td>19.9</td><td>20.4</td><td>21.1</td><td>19.8</td><td>20.4</td><td>20.5</td><td>21.0</td><td>21.8</td></tr> <tr> <td>12m</td><td>4m</td><td>16.0</td><td>16.8</td><td>16.6</td><td>17.4</td><td>18.1</td><td>16.4</td><td>17.1</td><td>17.0</td><td>17.7</td><td>18.4</td></tr> <tr> <td>6m</td><td>6m</td><td>17.6</td><td>18.2</td><td>18.3</td><td>18.9</td><td>19.6</td><td>18.1</td><td>18.7</td><td>18.7</td><td>19.3</td><td>20.0</td></tr> <tr> <td>8m</td><td>8m</td><td>18.5</td><td>19.1</td><td>19.2</td><td>19.8</td><td>20.5</td><td>19.1</td><td>19.6</td><td>19.7</td><td>20.3</td><td>21.0</td></tr> <tr> <td colspan="11" style="text-align: center;">Variations with the observer position at spacings:</td></tr> <tr> <td>s = 1.0m</td><td colspan="5"></td><td colspan="5" style="text-align: center;">+ 0.1 / - 0.1</td></tr> <tr> <td>1.5m</td><td colspan="5"></td><td colspan="5" style="text-align: center;">+ 0.2 / - 0.2</td></tr> <tr> <td>2.0m</td><td colspan="5"></td><td colspan="5" style="text-align: center;">+ 0.2 / - 0.3</td></tr> <tr> <td colspan="11" style="text-align: center;">CIE Pub.117 Corrected 1101 lm Total Lamp Luminous Flux (8log(F/F0) = 0.3)</td></tr> </tbody> </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 = 2m y = 2m	11.4	12.8	11.9	13.3	13.7	11.8	13.2	12.2	13.6	14.1	3m	13.4	14.7	13.8	15.1	15.6	13.8	15.1	14.3	15.6	16.1	4m	14.4	16.0	14.8	16.1	16.6	14.9	16.1	15.4	16.6	17.1	6m	15.4	16.8	15.9	17.1	17.6	16.0	17.2	16.6	17.7	18.3	8m	16.0	17.1	16.5	17.6	18.2	16.7	17.8	17.2	18.3	18.9	12m	16.6	17.7	17.1	18.2	18.8	17.4	18.5	17.9	19.0	19.6	4m	2m	12.1	13.4	12.6	13.8	14.4	12.4	13.6	12.9	14.1	14.6	3m	3m	14.3	15.4	14.8	15.9	16.4	14.6	15.7	15.2	16.2	16.8	4m	4m	15.4	16.4	16.0	17.0	17.6	15.9	16.9	16.4	17.4	18.0	6m	6m	16.7	17.6	17.2	18.1	18.8	17.2	18.1	17.8	18.7	19.3	8m	8m	17.3	18.2	17.9	18.7	19.4	18.0	18.8	18.5	19.4	20.0	12m	12m	18.1	18.8	18.7	19.4	20.1	18.8	19.6	19.4	20.2	20.6	8m	4m	15.9	16.7	16.5	17.3	18.0	16.3	17.1	16.9	17.7	18.4	6m	6m	17.4	18.1	18.0	18.7	19.4	17.9	18.6	18.5	19.2	19.9	8m	8m	18.2	18.9	18.9	19.5	20.2	18.8	19.4	19.4	20.1	20.5	12m	12m	19.2	19.8	19.9	20.4	21.1	19.8	20.4	20.5	21.0	21.8	12m	4m	16.0	16.8	16.6	17.4	18.1	16.4	17.1	17.0	17.7	18.4	6m	6m	17.6	18.2	18.3	18.9	19.6	18.1	18.7	18.7	19.3	20.0	8m	8m	18.5	19.1	19.2	19.8	20.5	19.1	19.6	19.7	20.3	21.0	Variations with the observer position at spacings:											s = 1.0m						+ 0.1 / - 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24W	<p style="text-align: center;">Height Eavg Diameter</p>	<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>ceiling/cavity</th><th>0.7</th><th>0.7</th><th>0.5</th><th>0.5</th><th>0.3</th><th>0.7</th><th>0.7</th><th>0.5</th><th>0.5</th><th>0.3</th></tr> <tr> <th>walls</th><td>0.5</td><td>0.3</td><td>0.5</td><td>0.3</td><td>0.3</td><td>0.5</td><td>0.3</td><td>0.5</td><td>0.3</td><td>0.3</td></tr> <tr> <th>working plane</th><td>0.2</td><td>0.2</td><td>0.2</td><td>0.2</td><td>0.2</td><td>0.2</td><td>0.2</td><td>0.2</td><td>0.2</td><td>0.2</td></tr> </thead> <tbody> <tr> <td>Room dimensions</td><td colspan="5" style="text-align: center;">(Viewed crosswise)</td><td colspan="5" style="text-align: center;">(Viewed endwise)</td></tr> <tr> <td>x = 2m y = 2m</td><td>13.3</td><td>14.8</td><td>13.7</td><td>15.1</td><td>15.6</td><td>13.2</td><td>14.7</td><td>13.6</td><td>15.0</td><td>15.5</td></tr> <tr> <td>3m</td><td>15.2</td><td>16.6</td><td>15.7</td><td>17.0</td><td>17.4</td><td>15.1</td><td>16.4</td><td>15.5</td><td>16.8</td><td>17.3</td></tr> <tr> <td>4m</td><td>16.2</td><td>17.5</td><td>16.7</td><td>17.9</td><td>18.4</td><td>16.1</td><td>17.3</td><td>16.5</td><td>17.8</td><td>18.2</td></tr> <tr> <td>6m</td><td>17.2</td><td>18.4</td><td>17.7</td><td>18.9</td><td>19.4</td><td>17.0</td><td>18.2</td><td>17.5</td><td>18.7</td><td>19.2</td></tr> <tr> <td>8m</td><td>17.8</td><td>18.9</td><td>18.3</td><td>19.4</td><td>19.9</td><td>17.6</td><td>18.7</td><td>18.1</td><td>19.2</td><td>19.7</td></tr> <tr> <td>12m</td><td>18.4</td><td>19.5</td><td>18.9</td><td>20.0</td><td>20.5</td><td>18.2</td><td>19.3</td><td>18.7</td><td>19.8</td><td>20.3</td></tr> <tr> <td>4m</td><td>2m</td><td>14.0</td><td>15.2</td><td>14.4</td><td>15.7</td><td>16.1</td><td>13.9</td><td>15.2</td><td>14.4</td><td>15.6</td><td>16.1</td></tr> <tr> <td>3m</td><td>3m</td><td>16.1</td><td>17.2</td><td>16.6</td><td>17.7</td><td>18.2</td><td>16.0</td><td>17.1</td><td>16.5</td><td>17.6</td><td>18.1</td></tr> <tr> <td>4m</td><td>4m</td><td>17.2</td><td>18.3</td><td>17.8</td><td>18.8</td><td>19.3</td><td>17.1</td><td>18.1</td><td>17.6</td><td>18.6</td><td>19.2</td></tr> <tr> <td>6m</td><td>6m</td><td>18.4</td><td>19.3</td><td>19.0</td><td>19.9</td><td>20.5</td><td>18.3</td><td>19.2</td><td>18.8</td><td>19.7</td><td>20.3</td></tr> <tr> <td>8m</td><td>8m</td><td>19.1</td><td>19.9</td><td>19.6</td><td>20.5</td><td>21.1</td><td>18.9</td><td>19.8</td><td>19.5</td><td>20.3</td><td>20.9</td></tr> <tr> <td>12m</td><td>12m</td><td>19.8</td><td>20.6</td><td>20.4</td><td>21.2</td><td>21.8</td><td>19.6</td><td>20.4</td><td>20.2</td><td>21.0</td><td>21.6</td></tr> <tr> <td>8m</td><td>4m</td><td>17.7</td><td>18.5</td><td>18.2</td><td>19.1</td><td>19.7</td><td>17.6</td><td>18.4</td><td>18.1</td><td>19.0</td><td>19.6</td></tr> <tr> <td>6m</td><td>6m</td><td>19.1</td><td>19.8</td><td>19.7</td><td>20.4</td><td>21.1</td><td>19.0</td><td>19.7</td><td>19.6</td><td>20.3</td><td>20.9</td></tr> <tr> <td>8m</td><td>8m</td><td>19.9</td><td>20.6</td><td>20.6</td><td>21.2</td><td>21.9</td><td>19.8</td><td>20.4</td><td>20.4</td><td>21.0</td><td>21.7</td></tr> <tr> <td>12m</td><td>12m</td><td>20.9</td><td>21.5</td><td>21.5</td><td>22.1</td><td>22.8</td><td>20.7</td><td>21.3</td><td>21.4</td><td>21.9</td><td>22.6</td></tr> <tr> <td>12m</td><td>4m</td><td>17.7</td><td>18.5</td><td>18.3</td><td>19.1</td><td>19.7</td><td>17.6</td><td>18.4</td><td>18.2</td><td>19.0</td><td>19.6</td></tr> <tr> <td>6m</td><td>6m</td><td>19.3</td><td>19.9</td><td>19.9</td><td>20.5</td><td>21.2</td><td>19.2</td><td>19.8</td><td>19.8</td><td>20.4</td><td>21.1</td></tr> <tr> <td>8m</td><td>8m</td><td>20.2</td><td>20.8</td><td>20.9</td><td>21.4</td><td>22.1</td><td>20.1</td><td>20.7</td><td>20.7</td><td>21.3</td><td>22.0</td></tr> <tr> <td colspan="11" style="text-align: center;">Variations with the observer position at spacings:</td></tr> <tr> <td>s = 1.0m</td><td colspan="5"></td><td colspan="5" style="text-align: center;">+ 0.1 / - 0.1</td></tr> <tr> <td>1.5m</td><td colspan="5"></td><td colspan="5" style="text-align: center;">+ 0.2 / - 0.3</td></tr> <tr> <td>2.0m</td><td colspan="5"></td><td colspan="5" style="text-align: center;">+ 0.2 / - 0.3</td></tr> <tr> <td colspan="11" style="text-align: center;">CIE Pub.117 Corrected 1635 lm Total Lamp Luminous Flux (8log(F/F0) = 1.7)</td></tr> </tbody> </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 = 2m y = 2m	13.3	14.8	13.7	15.1	15.6	13.2	14.7	13.6	15.0	15.5	3m	15.2	16.6	15.7	17.0	17.4	15.1	16.4	15.5	16.8	17.3	4m	16.2	17.5	16.7	17.9	18.4	16.1	17.3	16.5	17.8	18.2	6m	17.2	18.4	17.7	18.9	19.4	17.0	18.2	17.5	18.7	19.2	8m	17.8	18.9	18.3	19.4	19.9	17.6	18.7	18.1	19.2	19.7	12m	18.4	19.5	18.9	20.0	20.5	18.2	19.3	18.7	19.8	20.3	4m	2m	14.0	15.2	14.4	15.7	16.1	13.9	15.2	14.4	15.6	16.1	3m	3m	16.1	17.2	16.6	17.7	18.2	16.0	17.1	16.5	17.6	18.1	4m	4m	17.2	18.3	17.8	18.8	19.3	17.1	18.1	17.6	18.6	19.2	6m	6m	18.4	19.3	19.0	19.9	20.5	18.3	19.2	18.8	19.7	20.3	8m	8m	19.1	19.9	19.6	20.5	21.1	18.9	19.8	19.5	20.3	20.9	12m	12m	19.8	20.6	20.4	21.2	21.8	19.6	20.4	20.2	21.0	21.6	8m	4m	17.7	18.5	18.2	19.1	19.7	17.6	18.4	18.1	19.0	19.6	6m	6m	19.1	19.8	19.7	20.4	21.1	19.0	19.7	19.6	20.3	20.9	8m	8m	19.9	20.6	20.6	21.2	21.9	19.8	20.4	20.4	21.0	21.7	12m	12m	20.9	21.5	21.5	22.1	22.8	20.7	21.3	21.4	21.9	22.6	12m	4m	17.7	18.5	18.3	19.1	19.7	17.6	18.4	18.2	19.0	19.6	6m	6m	19.3	19.9	19.9	20.5	21.2	19.2	19.8	19.8	20.4	21.1	8m	8m	20.2	20.8	20.9	21.4	22.1	20.1	20.7	20.7	21.3	22.0	Variations with the observer position at spacings:											s = 1.0m						+ 0.1 / - 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