

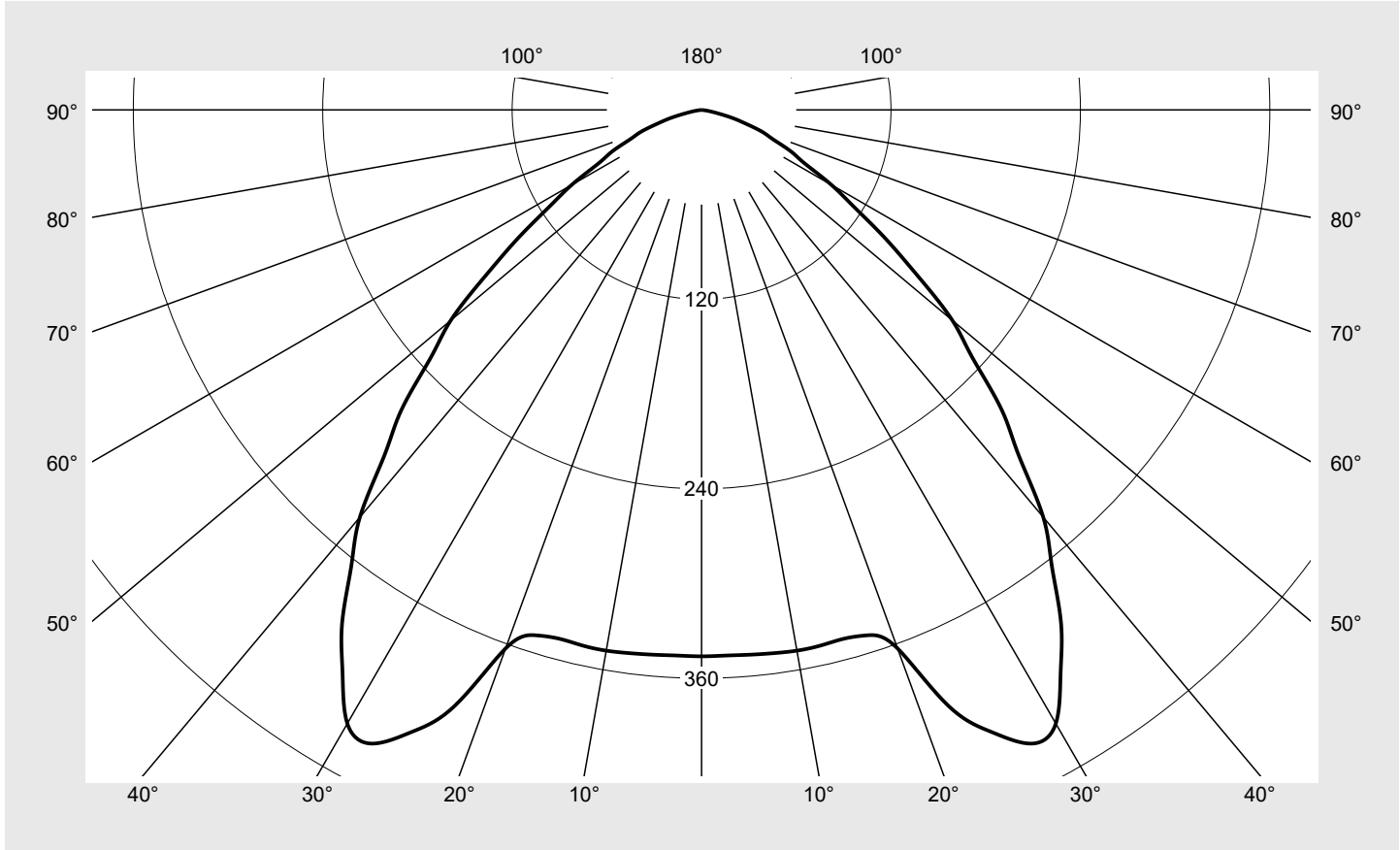


# Photometric test report

<b>Family</b> <b>Lunis R LED</b>	<b>Order number: 58DC011D02300A</b> <b>EAN: 4069025391612</b>	<b>LP number</b> <b>59720_16</b>
	<b>Version</b> Downlight for recessed ceiling <b>Lamps</b> LED 3000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 4400 lm Power consumption = 26.8 W Luminous efficacy = 164.2 lm/W	<b>serial documentation</b> <b>13.05.2025</b>
		

**Luminous intensity in cd/klm** C180-0 **Imax: 453 cd/klm**



Classifications	
DIN 5040	A 5 0
CIE	N1=61 N2=91 N3=99 N4=100 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	100.0%
$\phi_o$	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

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**sITeco**

<b>Table of values for luminous intensities</b>	<b>Maximum luminous intensity</b>
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C-planes $\gamma$	0° Luminous intensity in cd/klm	Phi-zone Luminous flux in lm/klm	Total Phi-zone
0,0°	346.1	0.5	0.5
2,5°	346.0	4.1	4.7
5,0°	346.4	8.3	12.9
7,5°	347.1	12.4	25.4
10,0°	347.8	16.6	41.9
12,5°	347.6	20.6	62.5
15,0°	346.9	24.6	87.1
17,5°	349.0	28.8	115.9
20,0°	363.0	34.0	149.9
22,5°	408.6	42.9	192.8
25,0°	434.8	50.4	243.2
27,5°	452.5	57.3	300.5
30,0°	448.9	61.5	362.0
32,5°	423.3	62.3	424.3
35,0°	397.1	62.4	486.8
37,5°	364.6	60.8	547.6
40,0°	336.8	59.3	607.0
42,5°	297.9	55.2	662.1
45,0°	269.1	52.2	714.3
47,5°	233.2	47.1	761.4
50,0°	207.4	43.6	805.0
52,5°	172.4	37.5	842.5
55,0°	142.5	32.0	874.4
57,5°	114.7	26.5	901.0
60,0°	95.0	22.6	923.5
62,5°	74.0	18.0	941.5
65,0°	62.8	15.6	957.1
67,5°	49.4	12.5	969.6
70,0°	41.3	10.6	980.3
72,5°	30.0	7.9	988.1
75,0°	21.3	5.6	993.8
77,5°	12.0	3.2	997.0
80,0°	6.2	1.7	998.7
82,5°	2.5	0.7	999.3
85,0°	1.8	0.5	999.8
87,5°	1.2	0.3	1000.2

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<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
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Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	View crosswise (C0)					View endwise (C90)					
x	y										
2H	2H	21.5	23.0	21.8	23.3	23.7	21.5	23.0	21.8	23.3	23.7
	3H	22.0	23.3	22.4	23.7	24.0	22.0	23.3	22.4	23.7	24.0
	4H	22.1	23.4	22.5	23.7	24.1	22.1	23.4	22.5	23.7	24.1
	6H	22.1	23.3	22.5	23.6	24.0	22.1	23.3	22.5	23.6	24.0
	8H	22.1	23.2	22.5	23.6	24.0	22.1	23.2	22.5	23.6	24.0
	12H	22.1	23.1	22.5	23.5	23.9	22.1	23.1	22.5	23.5	23.9
4H	2H	21.8	23.0	22.2	23.4	23.8	21.8	23.0	22.2	23.4	23.8
	3H	22.4	23.4	22.8	23.8	24.2	22.4	23.4	22.8	23.8	24.2
	4H	22.5	23.5	23.0	23.9	24.3	22.5	23.5	23.0	23.9	24.3
	6H	22.6	23.4	23.0	23.8	24.3	22.6	23.4	23.0	23.8	24.3
	8H	22.5	23.3	23.0	23.7	24.2	22.5	23.3	23.0	23.7	24.2
	12H	22.5	23.2	23.0	23.6	24.1	22.5	23.2	23.0	23.6	24.1
8H	4H	22.6	23.3	23.0	23.7	24.2	22.6	23.3	23.0	23.7	24.2
	6H	22.6	23.2	23.1	23.7	24.2	22.6	23.2	23.1	23.7	24.2
	8H	22.6	23.1	23.1	23.6	24.1	22.6	23.1	23.1	23.6	24.1
	12H	22.5	23.0	23.1	23.5	24.0	22.5	23.0	23.1	23.5	24.0
12H	4H	22.6	23.2	23.0	23.7	24.2	22.6	23.2	23.0	23.7	24.2
	6H	22.6	23.1	23.1	23.6	24.1	22.6	23.1	23.1	23.6	24.1
	8H	22.5	23.0	23.1	23.5	24.0	22.5	23.0	23.1	23.5	24.0

<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm: D = 308</b>
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<b>C-planes</b>	<b>0°</b>
$\gamma$	<b>Luminance in cd/m<sup>2</sup></b>
45,0°	22473.0
50,0°	19054.1
55,0°	14667.6
60,0°	11220.1
65,0°	8774.5
70,0°	7134.3
75,0°	4863.5
80,0°	2105.8
85,0°	1231.9

**Photometric test report**

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**Luminance values in cd/m<sup>2</sup>**     γ 65°   γ 70°   γ 75°   γ 80°   γ 85°     **siteco**

