

Photometric test report

Family
Lunis R LED

Order number: 58DC011D04400A
EAN: 4069025314130

LP number
59720_9



Version Downlight for recessed ceiling
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 4400 lm
 Power consumption = 25.3 W
 Luminous efficacy = 173.9 lm/W

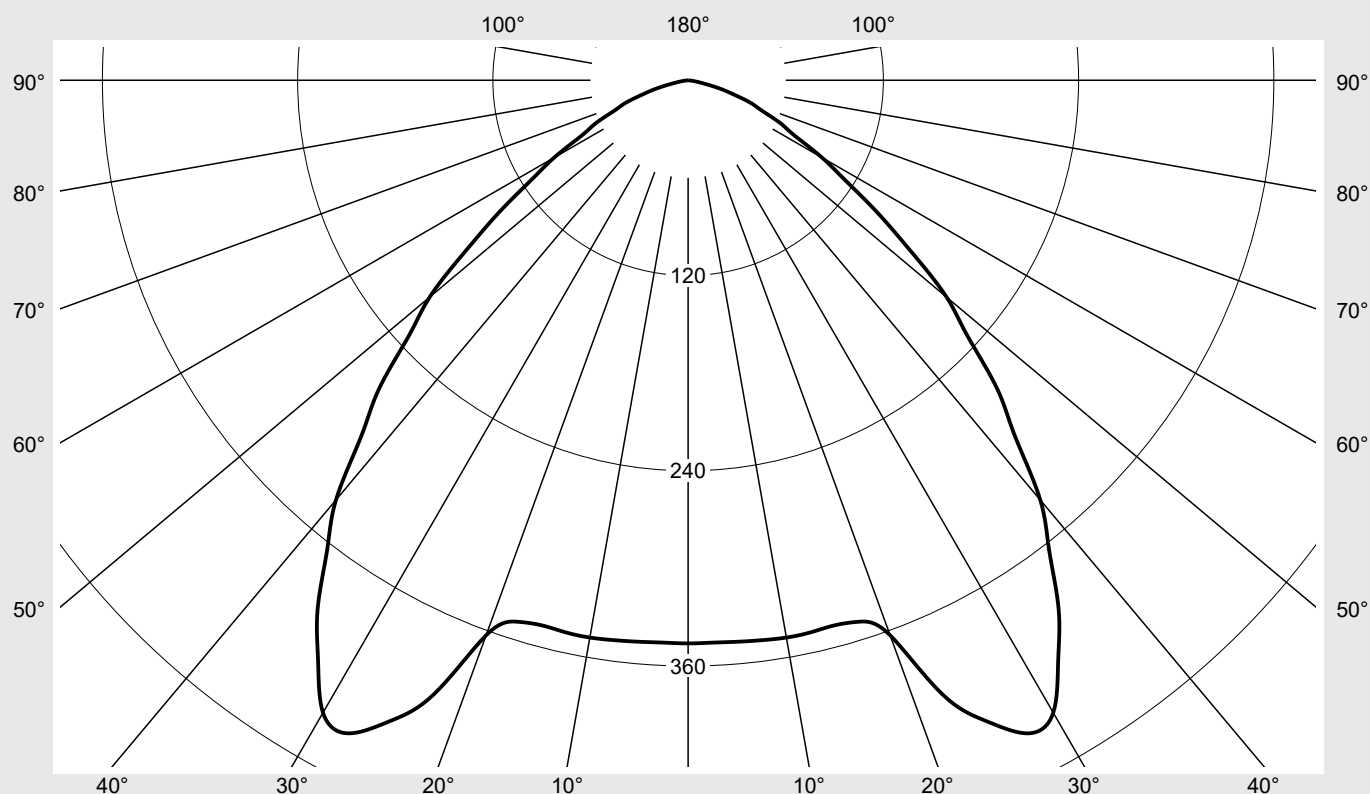
serial
documentation
19.03.2025

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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

η_{LB} 100.0%
 ϕ_u 100.0%
 ϕ_o 0.0%

Measurement conditions

DIN EN 13032 and DIN 5032

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Table of values for luminous intensities Maximum luminous intensity		sITeco

C- planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
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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UGR-Table										Standard room		siteco	
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		

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 308
C-planes	0°		
γ	Luminance in cd/m²		
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		

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Luminance values in cd/m²

γ 65°

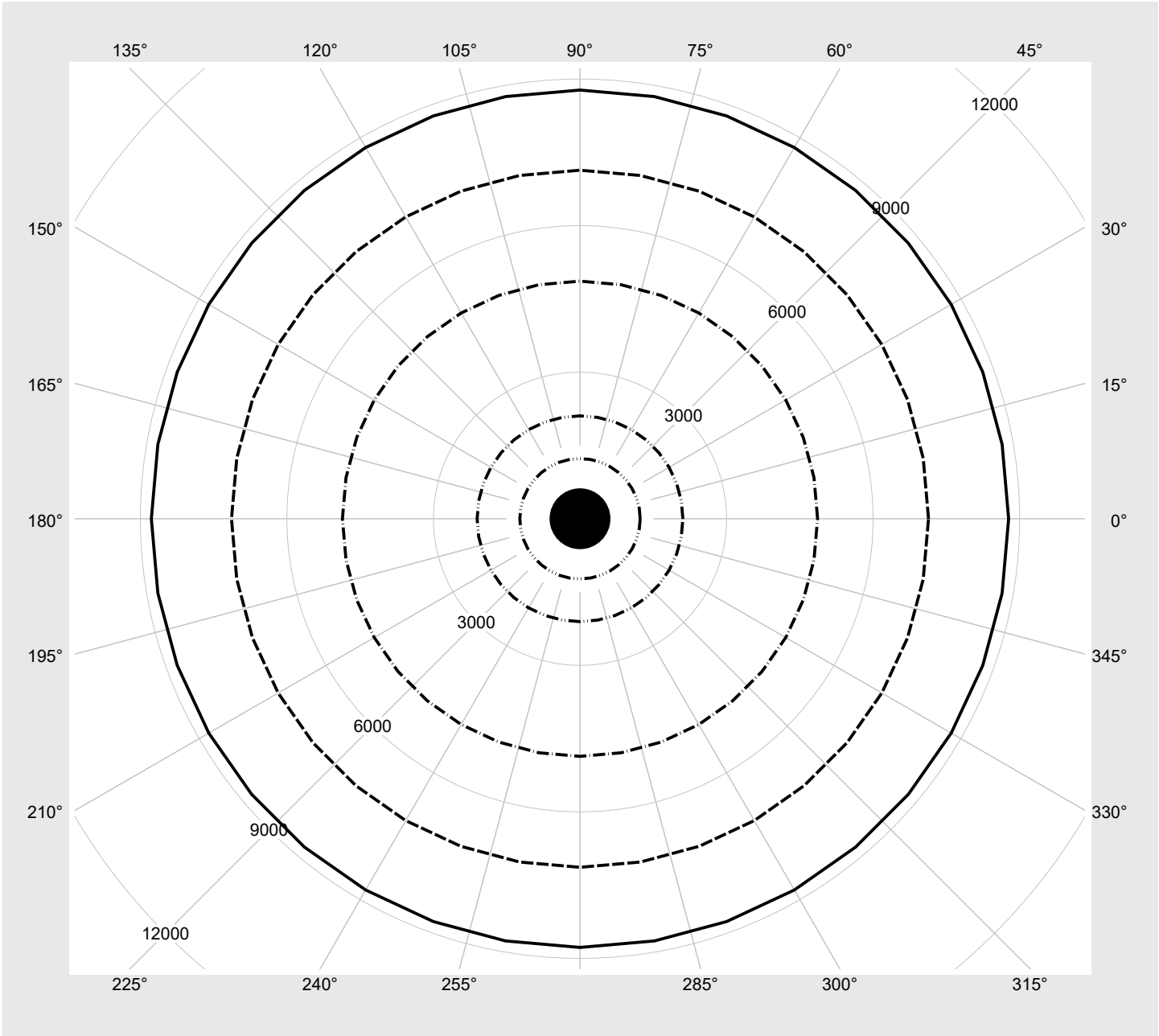
γ 70°

γ 75°

γ 80°

γ 85°

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Dimming levels table environmental temperature: 25°C		

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	4400	25.3
95	240	252	4174	24.0
90	227	250	3963	22.8
85	213	248	3734	21.4
80	200	245	3519	20.2
75	187	243	3303	18.9
70	174	240	3085	17.7
65	161	237	2865	16.5
60	148	234	2643	15.3
55	135	231	2419	14.0
50	122	227	2194	12.8
45	110	223	1983	11.7
40	97	219	1753	10.5
35	85	214	1540	9.4
30	73	208	1325	8.3
25	61	202	1109	7.2
20	48	193	872	6.0
15	36	182	652	4.8
10	25	169	448	3.8
5	13	145	223	2.7
2	5	110	73	1.7