

Photometric test report

Family
Lunis R LED

Order number: 58DC011D02400A
EAN: 4069025314116

LP number
59720_10



Version Downlight for recessed ceiling
Lamps LED 3000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 4400 lm
 Power consumption = 26.8 W
 Luminous efficacy = 164.2 lm/W

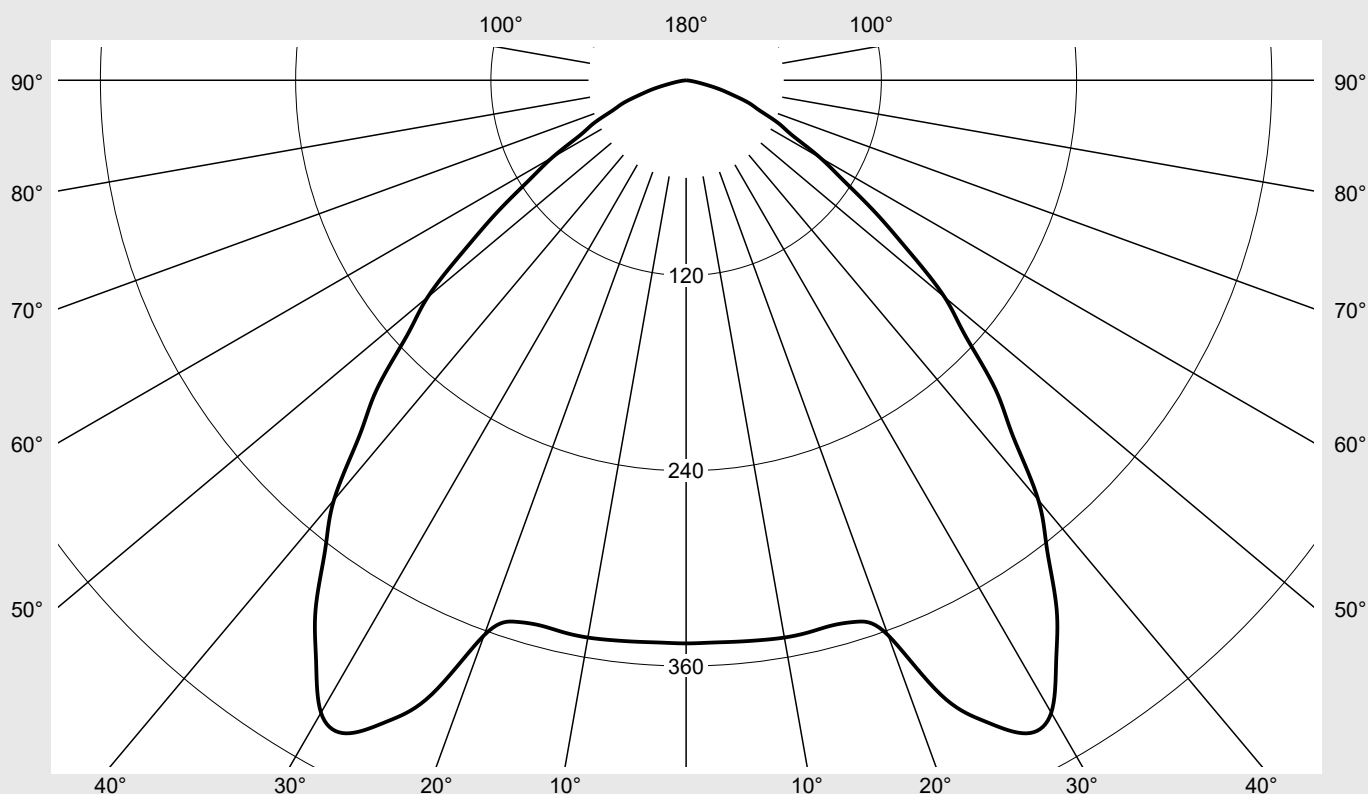
serial
documentation
19.03.2025

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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°

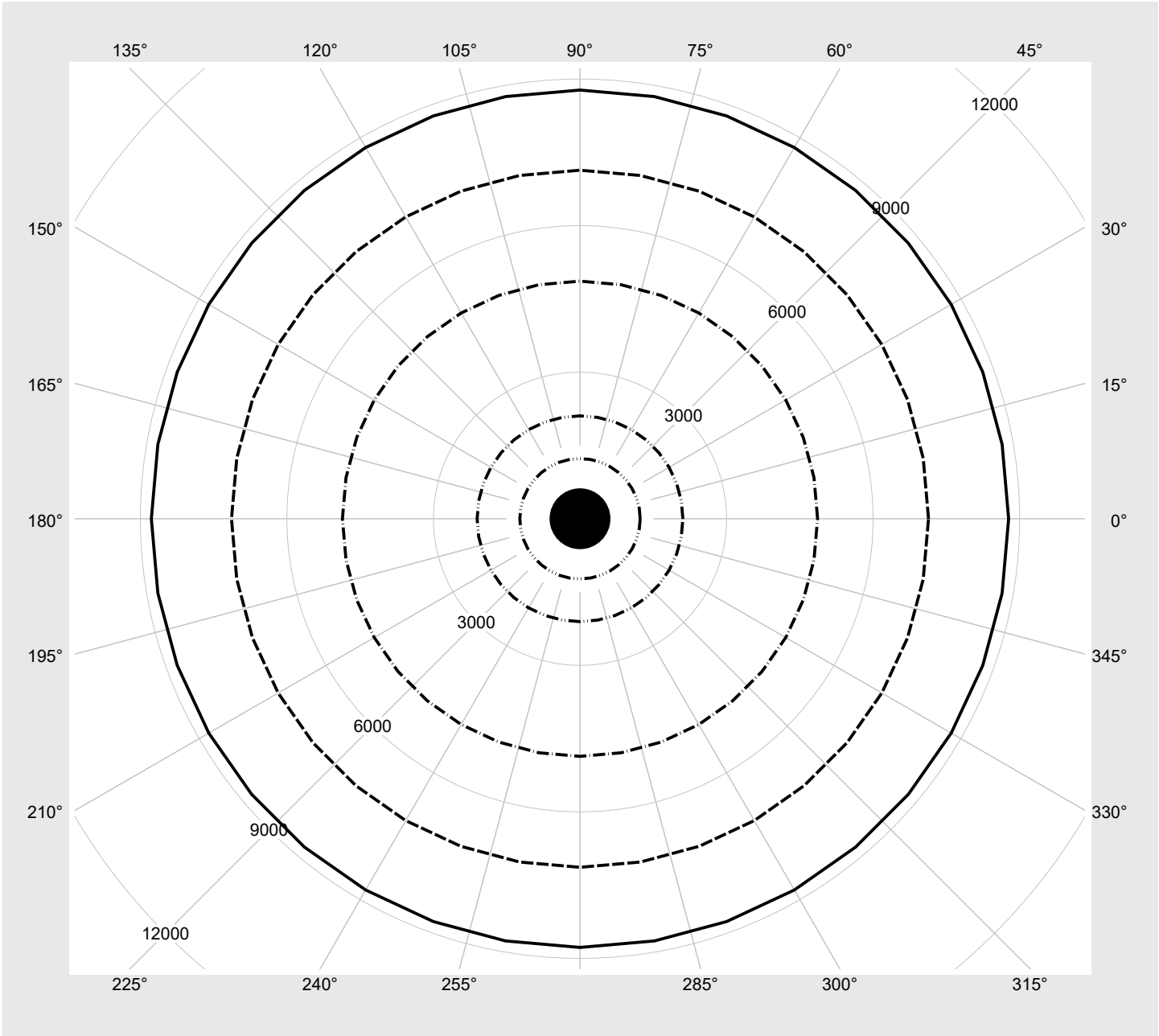
γ 70°

γ 75°

γ 80°

γ 85°

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Dimming levels table environmental temperature: 25°C		sit eco

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	4400	26.8
95	240	252	4176	25.3
90	227	250	3966	24.0
85	213	248	3739	22.6
80	200	245	3525	21.3
75	186	243	3293	19.9
70	173	240	3075	18.5
65	160	237	2856	17.2
60	147	234	2634	15.9
55	135	231	2428	14.7
50	122	227	2203	13.4
45	109	223	1975	12.1
40	97	219	1762	11.0
35	84	213	1532	9.7
30	72	208	1316	8.6
25	60	201	1098	7.4
20	48	193	880	6.2
15	36	182	659	5.0
10	24	168	436	3.8
5	12	142	212	2.6
2	5	110	80	1.7