

Photometric test report

Family
Lunis R LED

Order number: 51DC612DDB400A
EAN: 4069025359407

LP number
59721_37



Version Downlight for ceiling surface mounting or suspended mounting

Lamps LED 3000 K | CRI ≥ 90

Controlgear ECG-DALI

Rated values Net luminous flux = 4800 lm
Power consumption = 33.9 W
Luminous efficacy = 141.6 lm/W

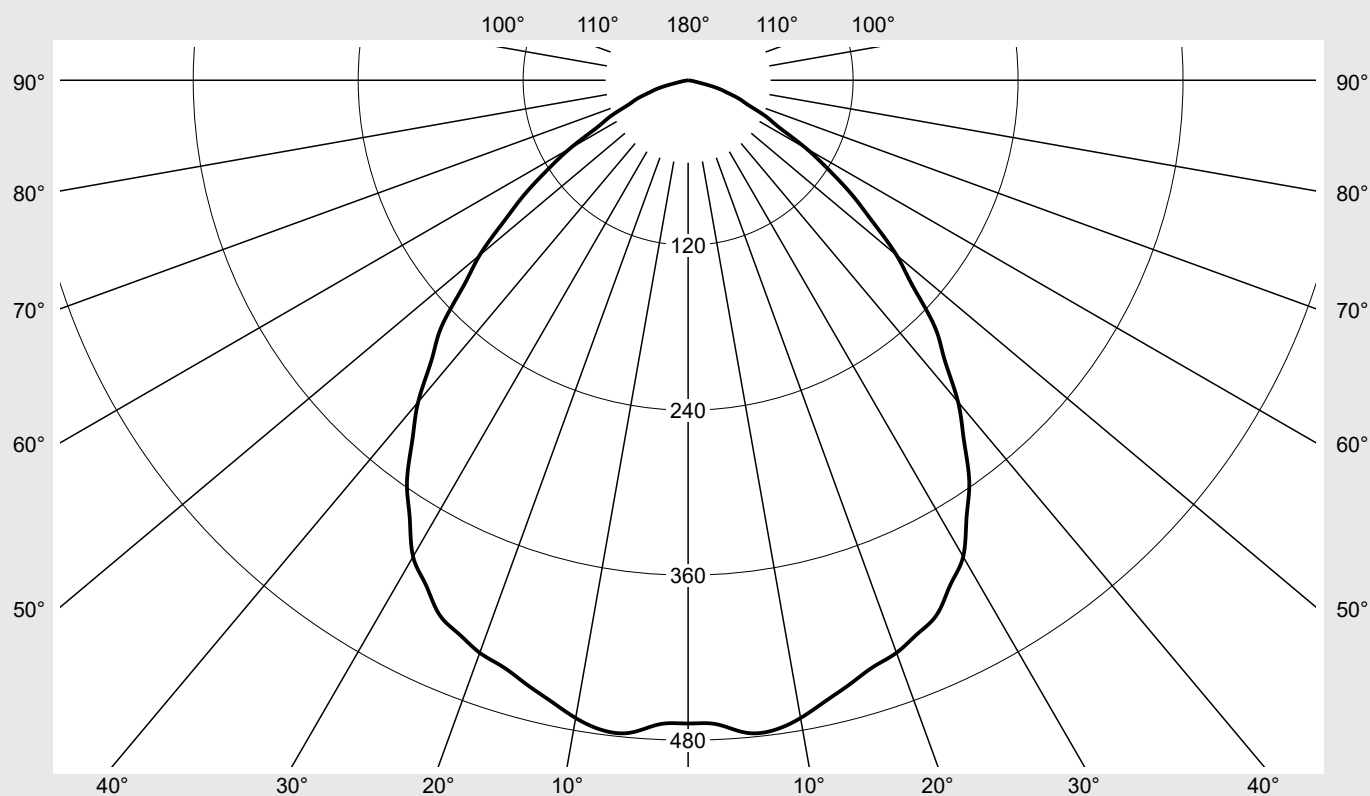
serial
documentation
14.05.2025

siteco

Luminous intensity in cd/klm

C180-0

Imax: 477 cd/klm



Classifications

DIN 5040 A 5 0
CIE N1=62 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

Photometric test report

Family Lunis R LED	Order number: 51DC612DDB400A EAN: 4069025359407	LP number 59721_37
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°	467.9	0.7	0.7
2,5°	468.8	5.6	6.3
5,0°	476.3	11.4	17.7
7,5°	476.9	17.1	34.7
10,0°	471.1	22.4	57.2
12,5°	462.5	27.4	84.6
15,0°	454.8	32.3	116.9
17,5°	447.5	36.9	153.8
20,0°	443.2	41.6	195.3
22,5°	435.9	45.7	241.1
25,0°	428.6	49.7	290.7
27,5°	413.5	52.3	343.0
30,0°	400.2	54.8	397.9
32,5°	377.0	55.5	453.4
35,0°	356.6	56.1	509.5
37,5°	329.5	55.0	564.5
40,0°	305.5	53.8	618.3
42,5°	276.3	51.2	669.5
45,0°	253.9	49.2	718.7
47,5°	221.7	44.8	763.5
50,0°	197.9	41.6	805.1
52,5°	169.3	36.8	841.9
55,0°	145.9	32.8	874.6
57,5°	121.3	28.1	902.7
60,0°	99.1	23.5	926.2
62,5°	75.2	18.3	944.5
65,0°	62.7	15.6	960.1
67,5°	47.9	12.1	972.2
70,0°	39.8	10.2	982.5
72,5°	29.5	7.7	990.2
75,0°	21.8	5.8	996.0
77,5°	9.4	2.5	998.5
80,0°	3.7	1.0	999.5
82,5°	0.8	0.2	999.7
85,0°	0.7	0.2	999.9
87,5°	0.4	0.1	1000.0
90,0°	0.0	0.0	1000.0

Photometric test report

Family Lunis R LED			Order number: 51DC612DDB400A EAN: 4069025359407							LP number 59721_37	
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	21.6	23.2	22.0	23.5	23.8	21.6	23.2	22.0	23.5	23.8
	3H	22.1	23.5	22.5	23.8	24.2	22.1	23.5	22.5	23.8	24.2
	4H	22.3	23.5	22.7	23.9	24.2	22.3	23.5	22.7	23.9	24.2
	6H	22.2	23.4	22.7	23.8	24.2	22.2	23.4	22.7	23.8	24.2
	8H	22.3	23.3	22.7	23.7	24.1	22.3	23.3	22.7	23.7	24.1
	12H	22.2	23.2	22.7	23.6	24.0	22.2	23.2	22.7	23.6	24.0
4H	2H	22.0	23.2	22.3	23.6	23.9	22.0	23.2	22.3	23.6	23.9
	3H	22.6	23.6	23.0	24.0	24.4	22.6	23.6	23.0	24.0	24.4
	4H	22.7	23.7	23.2	24.1	24.5	22.7	23.7	23.2	24.1	24.5
	6H	22.7	23.5	23.2	23.9	24.4	22.7	23.5	23.2	23.9	24.4
	8H	22.7	23.4	23.2	23.9	24.3	22.7	23.4	23.2	23.9	24.3
	12H	22.7	23.3	23.2	23.8	24.3	22.7	23.3	23.2	23.8	24.3
8H	4H	22.7	23.5	23.2	23.9	24.4	22.7	23.5	23.2	23.9	24.4
	6H	22.7	23.3	23.2	23.8	24.3	22.7	23.3	23.2	23.8	24.3
	8H	22.7	23.2	23.2	23.7	24.2	22.7	23.2	23.2	23.7	24.2
	12H	22.7	23.1	23.2	23.6	24.1	22.7	23.1	23.2	23.6	24.1
12H	4H	22.7	23.4	23.2	23.8	24.3	22.7	23.4	23.2	23.8	24.3
	6H	22.7	23.2	23.2	23.7	24.2	22.7	23.2	23.2	23.7	24.2
	8H	22.7	23.1	23.2	23.6	24.1	22.7	23.1	23.2	23.6	24.1

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 308
C-planes				
	0°			
γ	Luminance in cd/m²			
45,0°	23130.0			
50,0°	19838.0			
55,0°	16390.2			
60,0°	12773.3			
65,0°	9562.3			
70,0°	7488.4			
75,0°	5429.9			
80,0°	1374.2			
85,0°	497.5			

Photometric test report

Family
Lunis R LED

Order number: 51DC612DDB400A
EAN: 4069025359407

LP number
59721_37

Luminance values in cd/m²

γ 65°

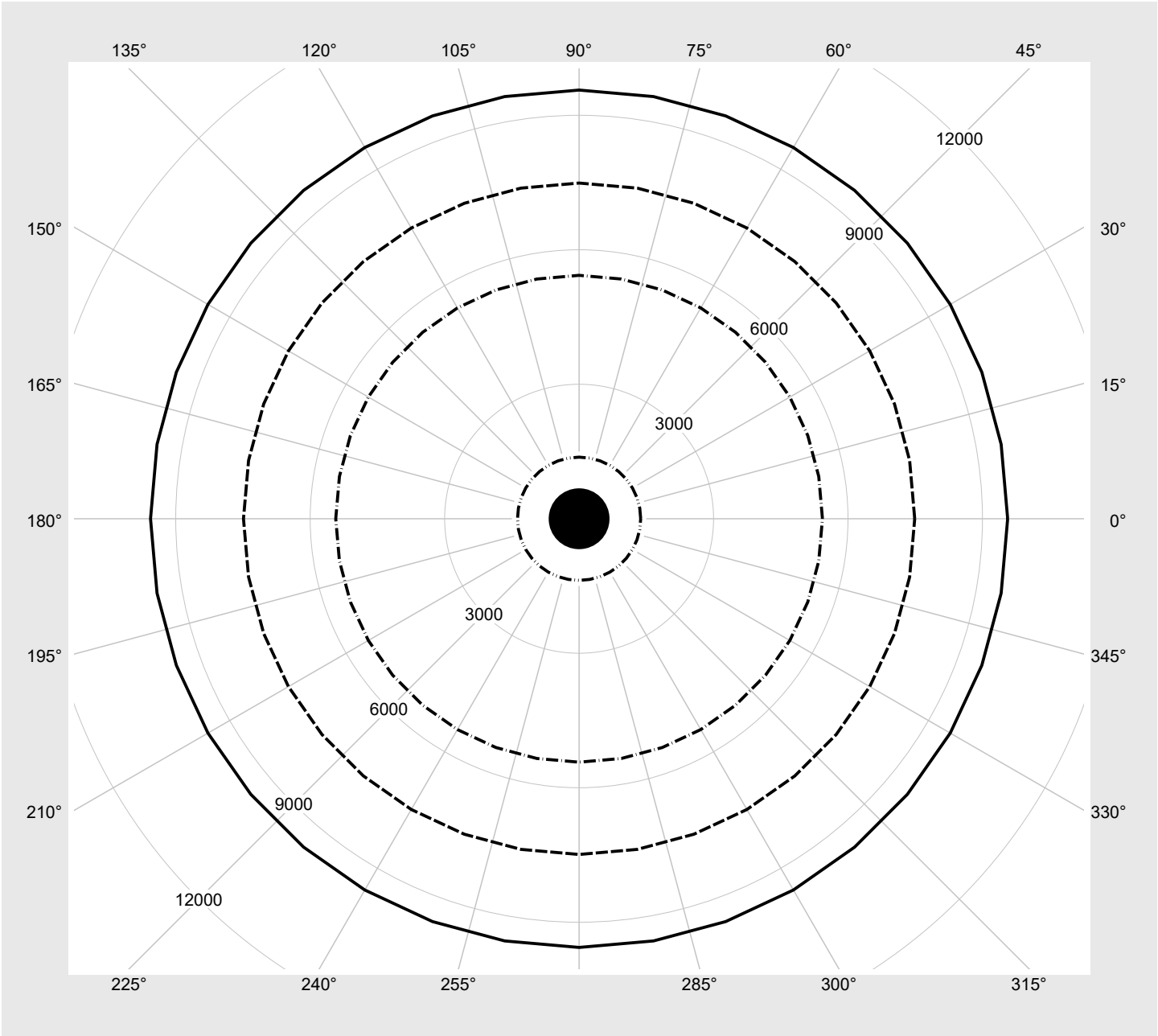
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Lunis R LED	Order number: 51DC612DDB400A EAN: 4069025359407	LP number 59721_37
Dimming levels table		environmental temperature: 25°C



Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	4800	33.9
95	240	252	4559	32.0
90	226	250	4316	30.0
85	213	248	4087	28.3
80	199	245	3839	26.4
75	186	243	3606	24.6
70	172	240	3352	22.9
65	159	237	3115	21.1
60	146	234	2875	19.4
55	133	230	2632	17.8
50	121	227	2406	16.3
45	108	223	2158	14.7
40	96	218	1927	13.1
35	83	213	1674	11.6
30	71	207	1438	10.1
25	59	201	1201	8.6
20	47	192	961	7.1
15	35	181	718	5.7
10	23	166	474	4.2
5	12	142	246	2.9
2	4	102	81	1.7