

Photometric test report

Family
Lunis R LED

Order number: 58DC011D04300A
EAN: 4069025391636

LP number
59720_15

serial
documentation
13.05.2025

siteco



Version

Downlight for recessed ceiling

Lamps

LED 4000 K | CRI ≥ 80

Controlgear

ECG-DALI

Rated values

Net luminous flux = 4400 lm

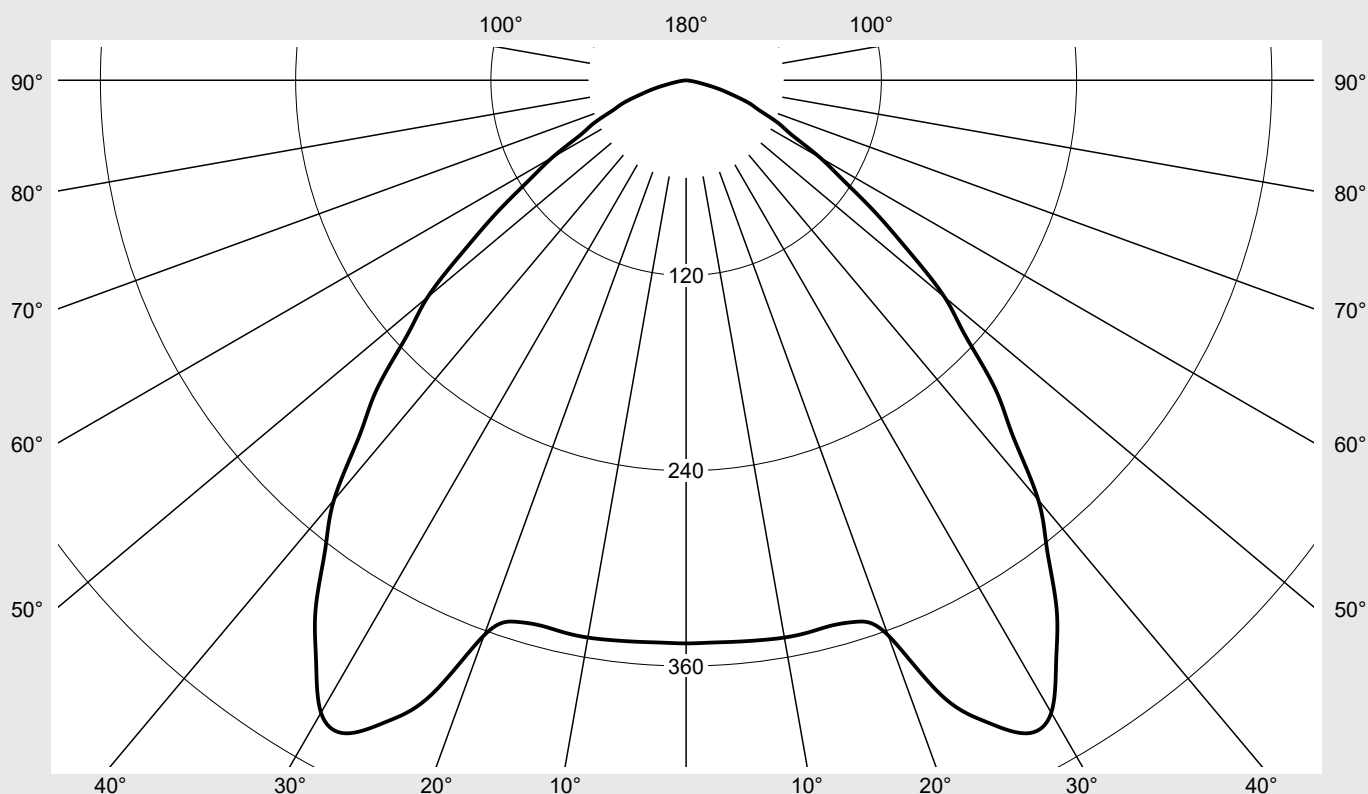
Power consumption = 25.3 W

Luminous efficacy = 173.9 lm/W

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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