

Photometric test report

Family
Lunis 21

Order number: **51DB15DF32**
EAN: **4058352555033**

LP number
59251_4



Version Combined lens and reflector optics, highly specular reflector, wide distribution, $UGR \leq 19$ ($L65 \leq 3000 \text{ cd/m}^2$)

Lamps LED 3000 K | CRI ≥ 80

Controlgear ECG-DALI

Rated values Net luminous flux = 2180 lm
Power consumption = 19.1 W
Luminous efficacy = 114.1 lm/W

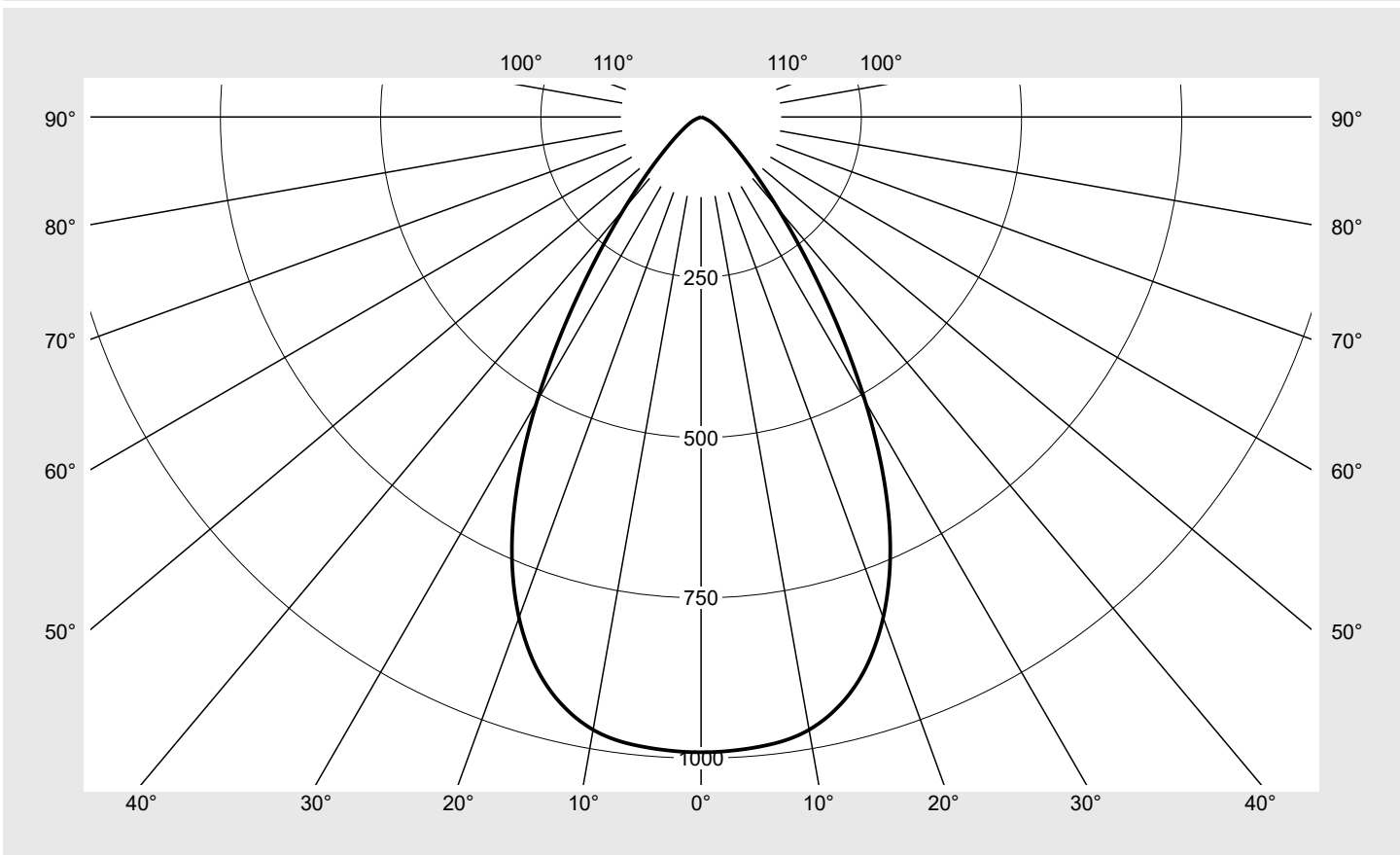
serial
documentation
03.02.2022

sitEco

Luminous intensity in cd/klm

C180-0

Imax: 991 cd/klm



Classifications

DIN 5040 A 7 0
CIE N1=89 N2=99 N3=100
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
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C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm Luminous flux in lm/klm		
0°	990.7	0.2	0.2
1°	990.6	1.9	2.1
2°	990.1	3.8	5.9
3°	989.2	5.7	11.6
4°	988.1	7.6	19.2
5°	986.7	9.4	28.6
6°	985.0	11.3	39.9
7°	982.9	13.1	53.0
8°	979.9	15.0	68.0
9°	975.8	16.7	84.7
10°	970.4	18.5	103.2
11°	963.5	20.2	123.3
12°	955.2	21.8	145.1
13°	945.3	23.3	168.4
14°	934.3	24.8	193.2
15°	921.5	26.2	219.4
16°	907.0	27.4	246.8
17°	890.7	28.6	275.4
18°	872.4	29.6	304.9
19°	852.5	30.4	335.4
20°	830.8	31.2	366.5
21°	807.2	31.7	398.2
22°	781.9	32.1	430.4
23°	754.7	32.3	462.7
24°	725.4	32.4	495.1
25°	694.2	32.2	527.2
26°	660.5	31.8	559.0
27°	625.3	31.1	590.1
28°	588.7	30.3	620.4
29°	550.8	29.3	649.7
30°	512.4	28.1	677.8
31°	473.3	26.7	704.5
32°	434.8	25.3	729.8
33°	396.6	23.7	753.5
34°	359.9	22.1	775.5
35°	324.8	20.4	796.0
36°	292.5	18.9	814.8
37°	262.4	17.3	832.2
38°	234.7	15.8	848.0
39°	209.6	14.5	862.5
40°	186.5	13.1	875.6
41°	166.1	11.9	887.6
42°	147.7	10.8	898.4
43°	131.2	9.8	908.2
44°	116.7	8.9	917.1
45°	103.8	8.1	925.2
46°	92.3	7.3	932.4

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm Luminous flux in lm/klm		
47°	82.4	6.6	939.0
48°	73.8	6.0	945.1
49°	66.3	5.5	950.5
50°	59.8	5.0	955.6
51°	53.9	4.6	960.2
52°	48.5	4.2	964.4
53°	43.7	3.8	968.2
54°	39.5	3.5	971.7
55°	35.9	3.2	974.9
56°	32.7	3.0	977.9
57°	29.9	2.8	980.6
58°	27.3	2.5	983.2
59°	24.8	2.3	985.5
60°	22.4	2.1	987.6
61°	20.4	2.0	989.6
62°	18.6	1.8	991.4
63°	17.0	1.7	993.1
64°	15.2	1.5	994.5
65°	13.0	1.3	995.8
66°	10.6	1.1	996.9
67°	8.3	0.8	997.7
68°	6.5	0.7	998.4
69°	5.2	0.5	998.9
70°	4.0	0.4	999.3
71°	2.7	0.3	999.6
72°	1.7	0.2	999.8
73°	0.8	0.1	999.9
74°	0.4	0.0	999.9
75°	0.3	0.0	1000.0
76°	0.1	0.0	1000.0
77°	0.0	0.0	1000.0
78°	0.0	0.0	1000.0
79°	0.0	0.0	1000.0
80°	0.0	0.0	1000.0
81°	0.0	0.0	1000.0
82°	0.0	0.0	1000.0
83°	0.0	0.0	1000.0
84°	0.0	0.0	1000.0
85°	0.0	0.0	1000.0
86°	0.0	0.0	1000.0
87°	0.0	0.0	1000.0
88°	0.0	0.0	1000.0
89°	0.0	0.0	1000.0
90°	0.0	0.0	1000.0

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UGR-Table	Standard room	siteco
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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	17.0	18.2	17.3	18.5	18.8	17.0	18.2	17.3	18.5	18.8
	3H	16.9	18.0	17.3	18.3	18.7	16.9	18.0	17.3	18.3	18.7
	4H	16.8	17.8	17.2	18.2	18.6	16.8	17.8	17.2	18.2	18.6
	6H	16.8	17.7	17.2	18.0	18.4	16.8	17.7	17.2	18.0	18.4
	8H	16.9	17.6	17.3	18.0	18.4	16.9	17.6	17.3	18.0	18.4
	12H	16.8	17.5	17.2	17.9	18.3	16.8	17.5	17.2	17.9	18.3
4H	2H	16.9	17.9	17.3	18.2	18.6	16.9	17.9	17.3	18.2	18.6
	3H	16.8	17.6	17.2	18.0	18.4	16.8	17.6	17.2	18.0	18.4
	4H	16.7	17.4	17.2	17.8	18.3	16.7	17.4	17.2	17.8	18.3
	6H	16.6	17.2	17.1	17.7	18.1	16.6	17.2	17.1	17.7	18.1
	8H	16.6	17.1	17.1	17.6	18.1	16.6	17.1	17.1	17.6	18.1
	12H	16.6	17.0	17.1	17.5	18.0	16.6	17.0	17.1	17.5	18.0
8H	4H	16.6	17.1	17.1	17.6	18.1	16.6	17.1	17.1	17.6	18.1
	6H	16.5	16.9	17.0	17.4	17.9	16.5	16.9	17.0	17.4	17.9
	8H	16.4	16.8	16.9	17.3	17.8	16.4	16.8	16.9	17.3	17.8
	12H	16.4	16.7	16.9	17.2	17.8	16.4	16.7	16.9	17.2	17.8
12H	4H	16.6	17.0	17.1	17.5	18.0	16.6	17.0	17.1	17.5	18.0
	6H	16.5	16.8	17.0	17.3	17.8	16.5	16.8	17.0	17.3	17.8
	8H	16.4	16.7	16.9	17.2	17.8	16.4	16.7	16.9	17.2	17.8

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 187
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C-planes	0°
γ	Luminance in cd/m²
45°	11654.3
50°	7382.7
55°	4964.9
60°	3563.5
65°	2434.5
70°	924.1
75°	76.7
80°	6.9
85°	21.9

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°

