

Photometric test report

Family
Lunis 21

Order number: **51DB15DF43**
EAN: **4058352555125**

LP number
59251_5



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

Lamps LED 4000 K | CRI ≥ 80

Controlgear ECG-DALI

Rated values Net luminous flux = 3560 lm
Power consumption = 31.0 W
Luminous efficacy = 114.8 lm/W

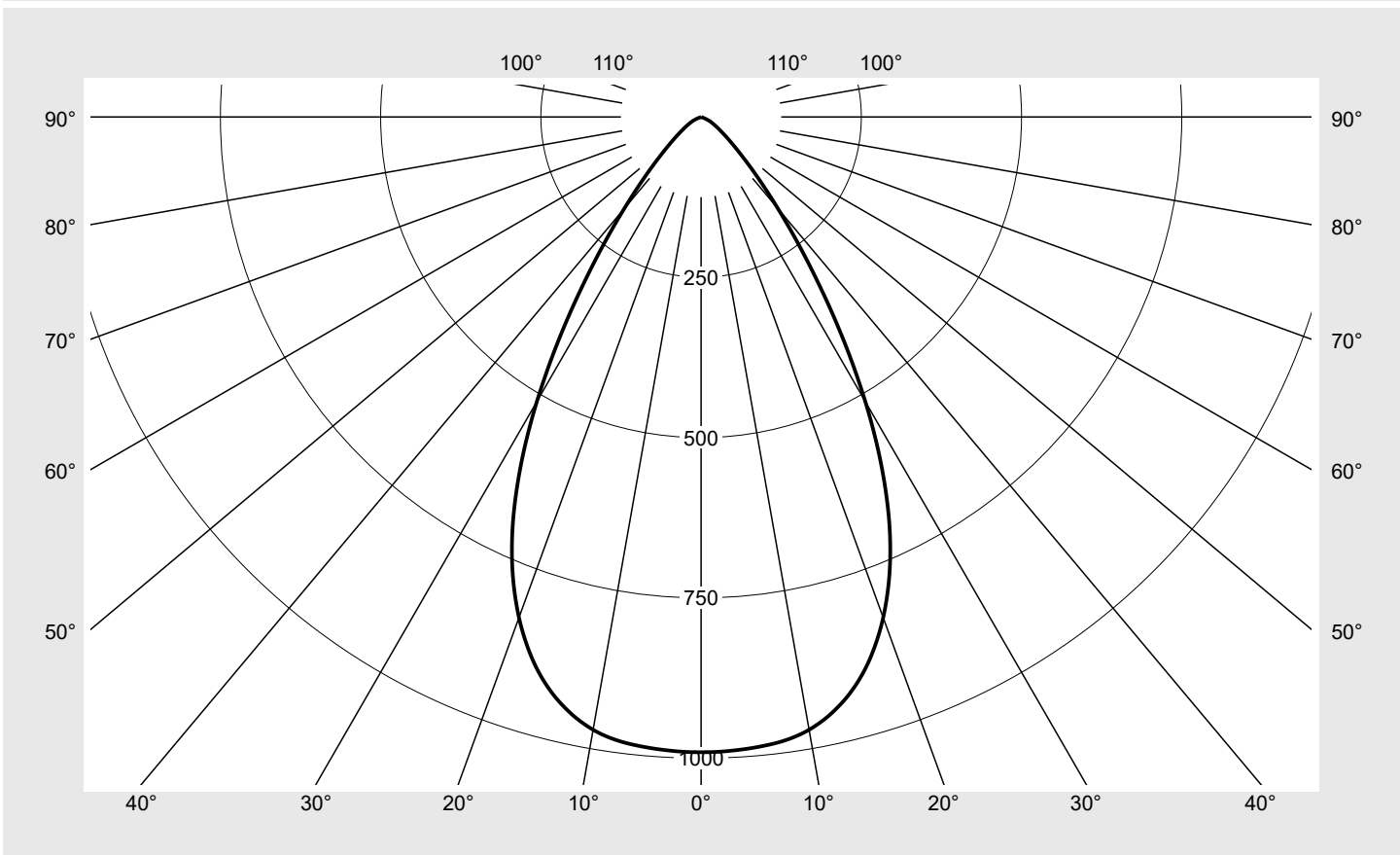
serial
documentation
03.02.2022

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

Photometric test report

Family Lunis 21	Order number: 51DB15DF43 EAN: 4058352555125	LP number 59251_5
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°	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

Photometric test report

Family Lunis 21	Order number: 51DB15DF43 EAN: 4058352555125	LP number 59251_5
---------------------------	--	-----------------------------

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	18.7	19.9	19.0	20.2	20.5	18.7	19.9	19.0	20.2	20.5
	3H	18.6	19.7	19.0	20.0	20.4	18.6	19.7	19.0	20.0	20.4
	4H	18.5	19.5	18.9	19.9	20.3	18.5	19.5	18.9	19.9	20.3
	6H	18.5	19.4	18.9	19.7	20.1	18.5	19.4	18.9	19.7	20.1
	8H	18.6	19.3	19.0	19.7	20.1	18.6	19.3	19.0	19.7	20.1
	12H	18.5	19.2	19.0	19.6	20.0	18.5	19.2	19.0	19.6	20.0
4H	2H	18.6	19.6	19.0	19.9	20.3	18.6	19.6	19.0	19.9	20.3
	3H	18.5	19.3	18.9	19.7	20.1	18.5	19.3	18.9	19.7	20.1
	4H	18.4	19.1	18.9	19.6	20.0	18.4	19.1	18.9	19.6	20.0
	6H	18.3	18.9	18.8	19.4	19.8	18.3	18.9	18.8	19.4	19.8
	8H	18.3	18.8	18.8	19.3	19.8	18.3	18.8	18.8	19.3	19.8
	12H	18.3	18.7	18.8	19.2	19.7	18.3	18.7	18.8	19.2	19.7
8H	4H	18.3	18.8	18.8	19.3	19.8	18.3	18.8	18.8	19.3	19.8
	6H	18.2	18.6	18.7	19.1	19.6	18.2	18.6	18.7	19.1	19.6
	8H	18.1	18.5	18.6	19.0	19.5	18.1	18.5	18.6	19.0	19.5
	12H	18.1	18.4	18.6	18.9	19.5	18.1	18.4	18.6	18.9	19.5
12H	4H	18.3	18.7	18.8	19.2	19.7	18.3	18.7	18.8	19.2	19.7
	6H	18.2	18.5	18.7	19.0	19.5	18.2	18.5	18.7	19.0	19.5
	8H	18.1	18.4	18.6	18.9	19.5	18.1	18.4	18.6	18.9	19.5

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 187
------------------------	---	--

C-planes	0°
γ	Luminance in cd/m²
45°	19031.9
50°	12056.2
55°	8107.8
60°	5819.2
65°	3975.6
70°	1509.1
75°	125.2
80°	11.2
85°	35.7

Photometric test report

Family Lunis 21	Order number: 51DB15DF43 EAN: 4058352555125	LP number 59251_5
----------------------------------	--	------------------------------------

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

