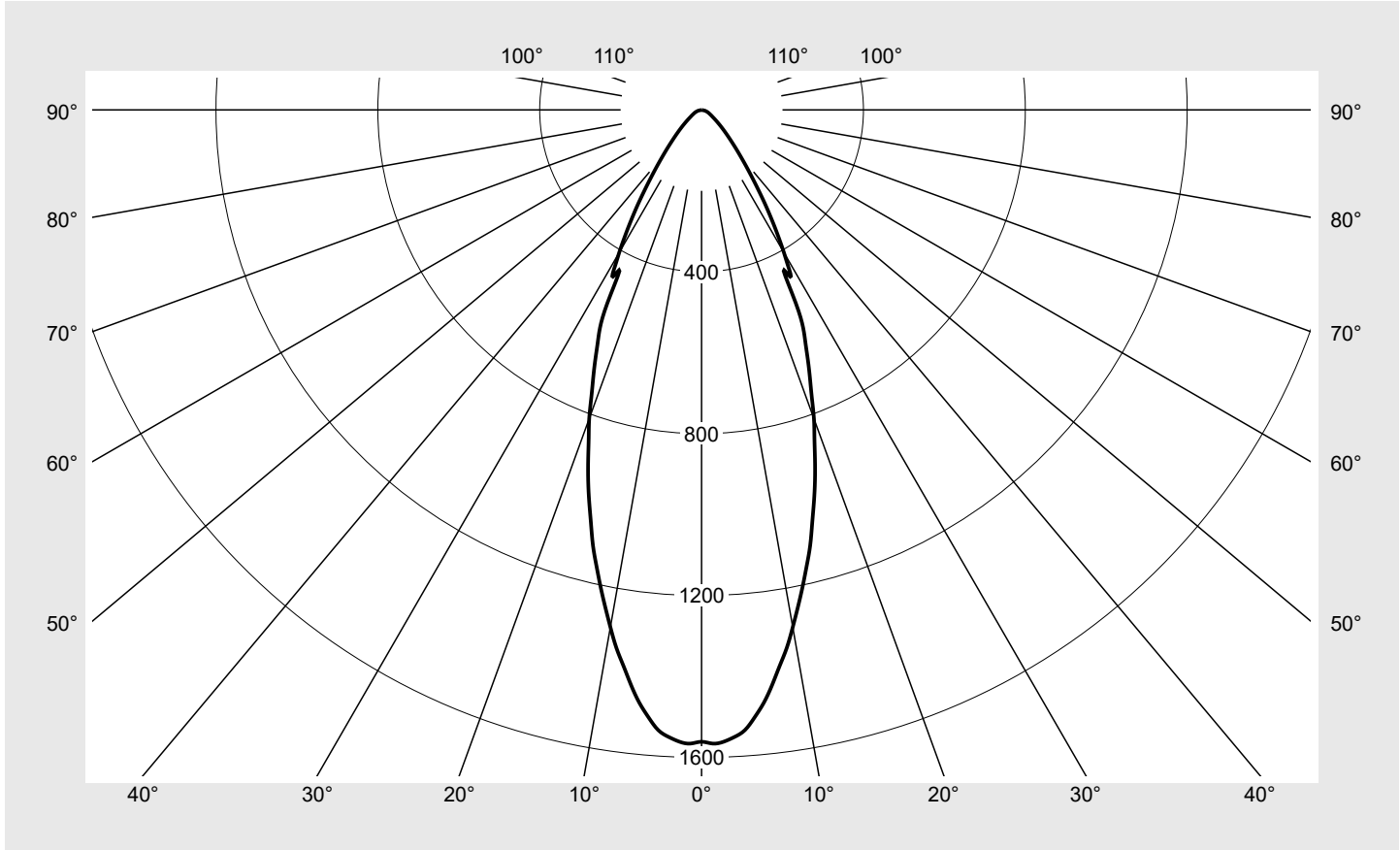


Photometric test report

Family Lunis 41	Order number: 51DT137A31A EAN: 4058352510001	LP number 59233_3
	Version	Lens optics, medium distribution
	Lamps	LED 3000 K CRI ≥ 80
	Controlgear	ECG
	Rated values	Net luminous flux = 500 lm Power consumption = 5.0 W Luminous efficacy = 100 lm/W
		serial documentation 07.12.2021
		

Luminous intensity in cd/klm C180-0 **Imax: 1566 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=87 N2=97 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 41	Order number: 51DT137A31A EAN: 4058352510001	LP number 59233_3
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°	1561.1	0.4	0.4
1°	1566.0	3.0	3.4
2°	1562.1	6.0	9.3
3°	1551.5	8.9	18.3
4°	1536.2	11.8	30.0
5°	1506.4	14.4	44.4
6°	1472.7	16.9	61.3
7°	1431.4	19.1	80.4
8°	1387.2	21.2	101.6
9°	1345.8	23.1	124.7
10°	1297.8	24.7	149.4
11°	1249.7	26.1	175.5
12°	1202.6	27.4	202.9
13°	1155.5	28.5	231.5
14°	1109.3	29.4	260.9
15°	1056.5	30.0	290.9
16°	1007.4	30.5	321.3
17°	958.4	30.7	352.0
18°	906.9	30.7	382.8
19°	856.6	30.6	413.4
20°	811.9	30.5	443.8
21°	760.0	29.9	473.7
22°	715.1	29.4	503.1
23°	672.9	28.8	531.9
24°	631.7	28.2	560.1
25°	593.9	27.5	587.6
26°	530.7	25.5	613.1
27°	447.1	22.3	635.4
28°	466.6	24.0	659.4
29°	441.1	23.5	682.8
30°	407.0	22.3	705.2
31°	373.1	21.1	726.2
32°	340.8	19.8	746.0
33°	309.8	18.5	764.5
34°	280.7	17.2	781.7
35°	252.4	15.9	797.6
36°	227.0	14.6	812.3
37°	204.3	13.5	825.7
38°	184.3	12.4	838.2
39°	166.3	11.5	849.7
40°	150.3	10.6	860.2
41°	136.2	9.8	870.0
42°	123.5	9.1	879.1
43°	112.0	8.4	887.5
44°	102.0	7.8	895.3
45°	93.2	7.2	902.5
46°	85.2	6.7	909.2

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	77.9	6.2	915.4
48°	71.5	5.8	921.3
49°	65.5	5.4	926.7
50°	60.2	5.1	931.7
51°	55.1	4.7	936.4
52°	50.7	4.4	940.8
53°	46.7	4.1	944.9
54°	43.0	3.8	948.7
55°	39.7	3.6	952.3
56°	36.7	3.3	955.6
57°	34.0	3.1	958.8
58°	31.7	2.9	961.7
59°	29.9	2.8	964.5
60°	28.0	2.7	967.2
61°	26.4	2.5	969.7
62°	24.7	2.4	972.1
63°	23.3	2.3	974.4
64°	22.1	2.2	976.6
65°	20.8	2.1	978.6
66°	19.7	2.0	980.6
67°	18.6	1.9	982.5
68°	17.4	1.8	984.2
69°	16.7	1.7	986.0
70°	15.2	1.6	987.5
71°	14.2	1.5	989.0
72°	13.0	1.4	990.4
73°	12.1	1.3	991.6
74°	11.0	1.2	992.8
75°	10.2	1.1	993.9
76°	8.9	0.9	994.8
77°	8.0	0.8	995.7
78°	7.1	0.8	996.4
79°	6.3	0.7	997.1
80°	5.5	0.6	997.7
81°	4.7	0.5	998.2
82°	4.1	0.4	998.6
83°	3.4	0.4	999.0
84°	3.2	0.4	999.4
85°	2.3	0.3	999.6
86°	2.2	0.2	999.8
87°	1.0	0.1	1000.0
88°	0.4	0.0	1000.0
89°	0.0	0.0	1000.0
90°	0.0	0.0	1000.0

Photometric test report

Family Lunis 41	Order number: 51DT137A31A EAN: 4058352510001	LP number 59233_3
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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	21.2	22.4	21.5	22.7	23.0	21.2	22.4	21.5	22.7	23.0
	3H	21.5	22.6	21.9	23.0	23.3	21.5	22.6	21.9	23.0	23.3
	4H	21.7	22.7	22.1	23.1	23.4	21.7	22.7	22.1	23.1	23.4
	6H	21.8	22.7	22.2	23.1	23.5	21.8	22.7	22.2	23.1	23.5
	8H	22.0	22.7	22.4	23.1	23.5	22.0	22.7	22.4	23.1	23.5
	12H	22.0	22.6	22.4	23.0	23.5	22.0	22.6	22.4	23.0	23.5
4H	2H	21.3	22.2	21.6	22.6	23.0	21.3	22.2	21.6	22.6	23.0
	3H	21.8	22.6	22.2	23.0	23.4	21.8	22.6	22.2	23.0	23.4
	4H	22.0	22.7	22.5	23.2	23.6	22.0	22.7	22.5	23.2	23.6
	6H	22.2	22.8	22.7	23.2	23.7	22.2	22.8	22.7	23.2	23.7
	8H	22.3	22.8	22.7	23.2	23.7	22.3	22.8	22.7	23.2	23.7
	12H	22.3	22.8	22.8	23.2	23.7	22.3	22.8	22.8	23.2	23.7
8H	4H	22.1	22.6	22.6	23.1	23.6	22.1	22.6	22.6	23.1	23.6
	6H	22.3	22.7	22.8	23.2	23.7	22.3	22.7	22.8	23.2	23.7
	8H	22.4	22.8	22.9	23.3	23.8	22.4	22.8	22.9	23.3	23.8
	12H	22.5	22.8	23.0	23.3	23.8	22.5	22.8	23.0	23.3	23.8
12H	4H	22.1	22.5	22.6	23.0	23.5	22.1	22.5	22.6	23.0	23.5
	6H	22.3	22.7	22.8	23.2	23.7	22.3	22.7	22.8	23.2	23.7
	8H	22.4	22.7	22.9	23.2	23.8	22.4	22.7	22.9	23.2	23.8

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 44
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C-planes	0°
γ	Luminance in cd/m²
45°	43322.6
50°	30790.0
55°	22777.3
60°	18403.4
65°	16208.3
70°	14649.5
75°	12970.7
80°	10432.2
85°	8817.3

Photometric test report

Family Lunis 41	Order number: 51DT137A31A EAN: 4058352510001	LP number 59233_3
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

