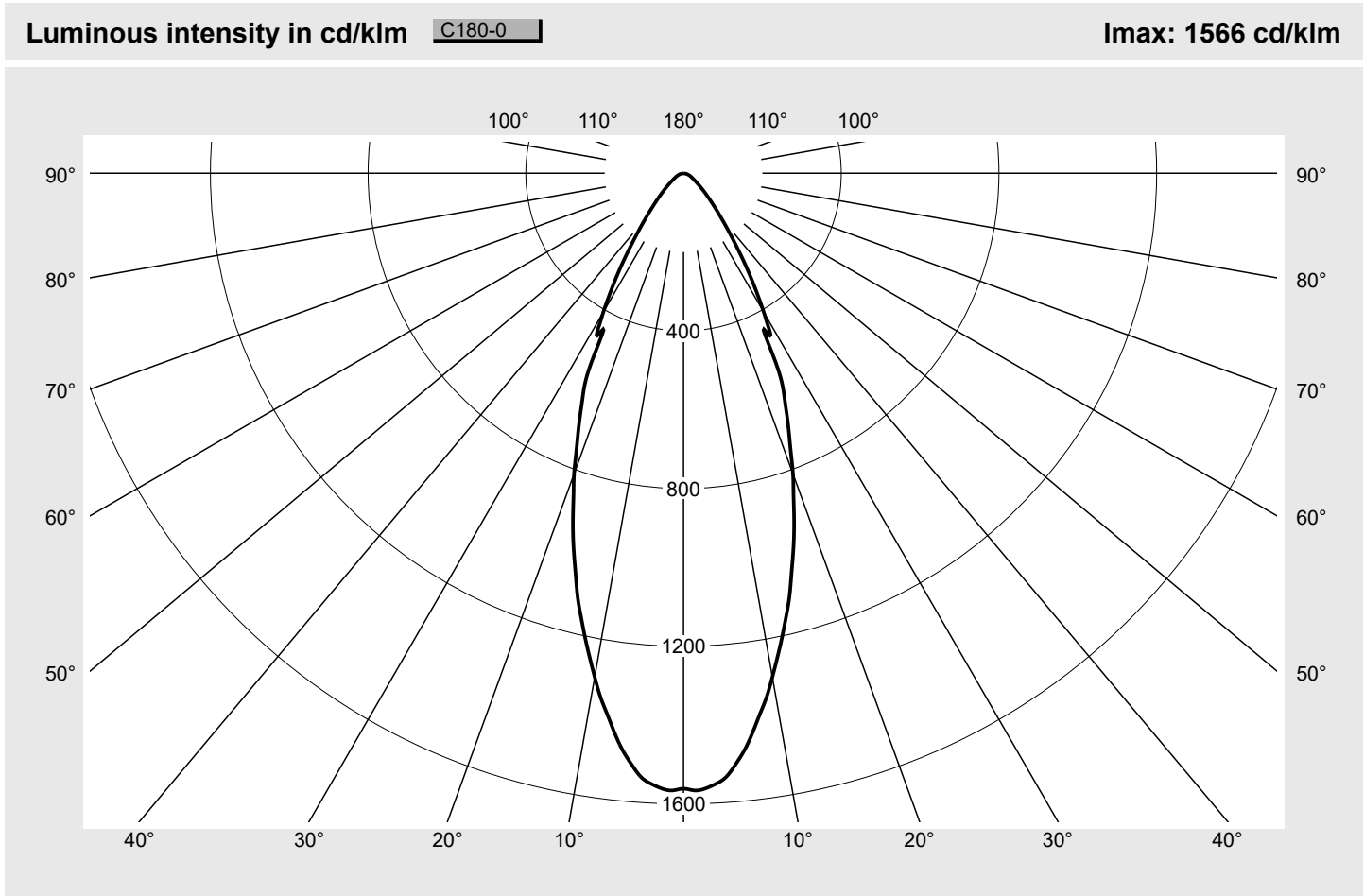


Photometric test report

Family Lunis 41	Order number: 51DT13MA31B EAN: 4069025152152	LP number 59233_6
	Version	recessed luminaire, Lens optics, medium distribution
	Lamps	LED 3000 K CRI ≥ 80
	Controlgear	ECG
	Rated values	Net luminous flux = 560 lm Power consumption = 4.6 W Luminous efficacy = 121.7 lm/W
		serial documentation 16.01.2025
		



Classifications		Luminaire light output ratios	
DIN 5040	A 7 0	ηLB	100.0%
CIE	N1=87 N2=97 N3=99	ϕ _u	100.0%
	N4=100 N5=100	ϕ _o	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Lunis 41	Order number: 51DT13MA31B EAN: 4069025152152	LP number 59233_6
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: 51DT13MA31B EAN: 4069025152152							LP number 59233_6	
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	21.4	22.6	21.8	22.9	23.2	21.4	22.6	21.8	22.9	23.2
	3H	21.8	22.9	22.2	23.2	23.5	21.8	22.9	22.2	23.2	23.5
	4H	22.0	22.9	22.4	23.3	23.7	22.0	22.9	22.4	23.3	23.7
	6H	22.1	22.9	22.5	23.3	23.7	22.1	22.9	22.5	23.3	23.7
	8H	22.2	22.9	22.6	23.3	23.7	22.2	22.9	22.6	23.3	23.7
	12H	22.2	22.9	22.6	23.3	23.7	22.2	22.9	22.6	23.3	23.7
4H	2H	21.5	22.5	21.9	22.8	23.2	21.5	22.5	21.9	22.8	23.2
	3H	22.0	22.8	22.5	23.2	23.6	22.0	22.8	22.5	23.2	23.6
	4H	22.3	23.0	22.7	23.4	23.8	22.3	23.0	22.7	23.4	23.8
	6H	22.4	23.0	22.9	23.5	23.9	22.4	23.0	22.9	23.5	23.9
	8H	22.5	23.0	23.0	23.5	24.0	22.5	23.0	23.0	23.5	24.0
	12H	22.6	23.0	23.1	23.5	24.0	22.6	23.0	23.1	23.5	24.0
8H	4H	22.3	22.9	22.8	23.3	23.8	22.3	22.9	22.8	23.3	23.8
	6H	22.5	23.0	23.0	23.5	24.0	22.5	23.0	23.0	23.5	24.0
	8H	22.6	23.0	23.1	23.5	24.0	22.6	23.0	23.1	23.5	24.0
	12H	22.7	23.0	23.2	23.5	24.1	22.7	23.0	23.2	23.5	24.1
12H	4H	22.3	22.8	22.8	23.2	23.7	22.3	22.8	22.8	23.2	23.7
	6H	22.6	22.9	23.1	23.4	23.9	22.6	22.9	23.1	23.4	23.9
	8H	22.6	22.9	23.2	23.5	24.0	22.6	22.9	23.2	23.5	24.0

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 45
C-planes		0°		
γ	Luminance in cd/m²			
45°	46388.8			
50°	32969.2			
55°	24389.4			
60°	19706.0			
65°	17355.4			
70°	15686.3			
75°	13888.7			
80°	11170.6			
85°	9441.4			

Photometric test report

Family
Lunis 41

Order number: 51DT13MA31B
EAN: 4069025152152

LP number
59233_6

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

siteco

