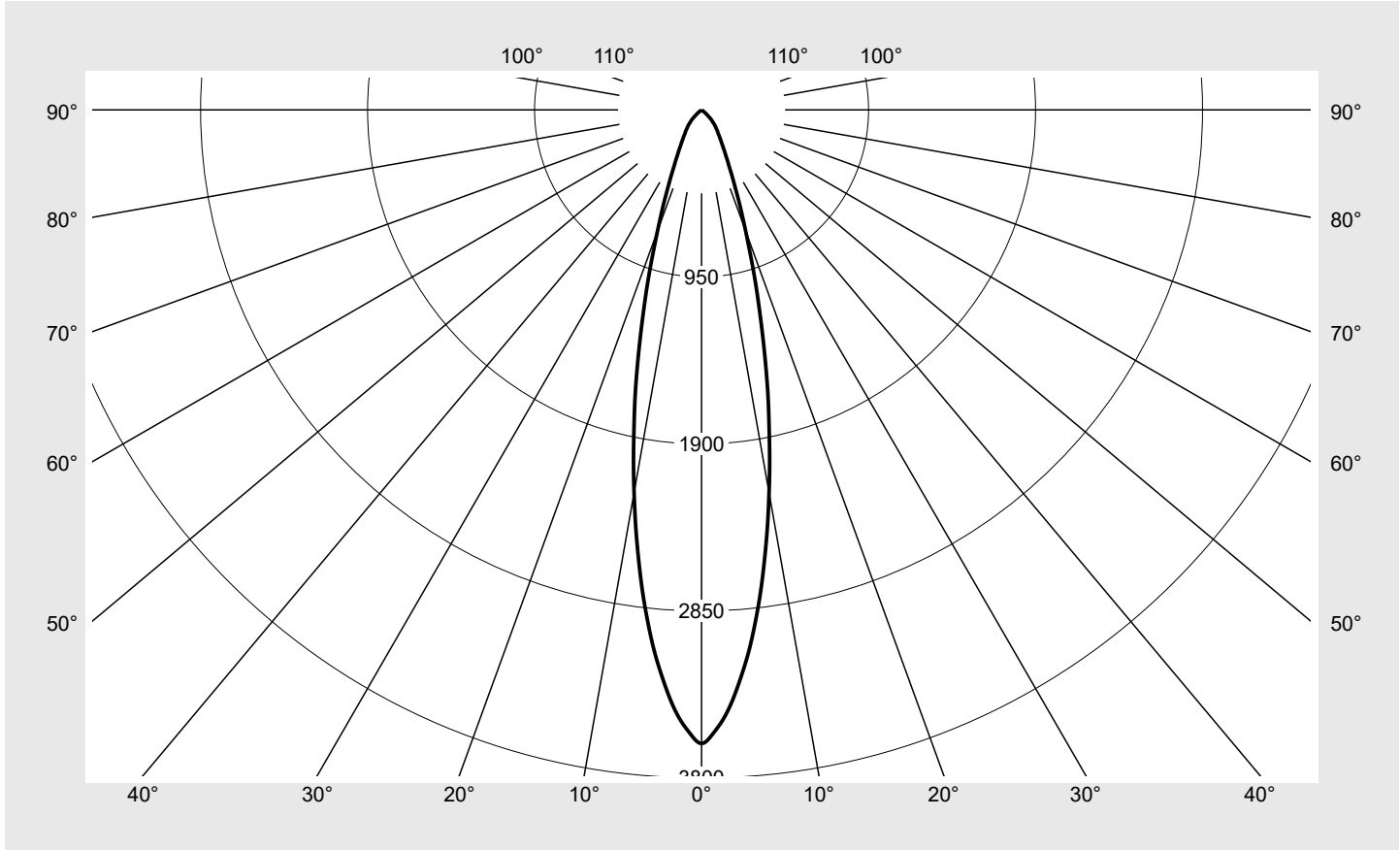


Photometric test report

Family Lunis mini Spot	Order number: 51DH11CD2FF22 EAN: 4058352107485	LP number 57186_30
Version	prismatic diffuser, darklight reflector, highly specular, narrow distribution	serial documentation 27.07.2017
Lamps	LED 3000K / CRI ≥ 80	
Controlgear	ECG-DALI	
Rated values	Net luminous flux = 1990 lm Power consumption = 19.1 W Luminous efficacy = 104.2 lm/W	



Luminous intensity in cd/klm C180-0 **Imax: 3605 cd/klm**



Classifications	
DIN 5040	A 8 0
CIE	N1=95 N2=100 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 mini Spot	Order number: 51DH11CD2FF22 EAN: 4058352107485	LP number 57186_30
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°	3604.7	0.9	0.9
1°	3552.4	6.8	7.7
2°	3471.8	13.3	20.9
3°	3363.0	19.3	40.2
4°	3230.2	24.7	65.0
5°	3089.2	29.5	94.5
6°	2928.1	33.6	128.0
7°	2758.9	36.9	164.9
8°	2577.7	39.3	204.3
9°	2396.4	41.1	245.4
10°	2211.1	42.1	287.5
11°	2029.9	42.5	329.9
12°	1848.6	42.1	372.1
13°	1683.5	41.5	413.6
14°	1514.4	40.2	453.8
15°	1353.3	38.4	492.2
16°	1204.2	36.4	528.6
17°	1071.3	34.3	563.0
18°	946.5	32.1	595.0
19°	829.7	29.6	624.7
20°	733.0	27.5	652.1
21°	648.4	25.5	677.6
22°	575.9	23.7	701.3
23°	507.5	21.7	723.0
24°	451.1	20.1	743.2
25°	402.8	18.7	761.8
26°	358.5	17.2	779.0
27°	326.2	16.2	795.3
28°	294.0	15.1	810.4
29°	269.8	14.3	824.8
30°	245.7	13.5	838.2
31°	225.5	12.7	851.0
32°	209.4	12.2	863.2
33°	193.3	11.5	874.7
34°	181.2	11.1	885.8
35°	165.1	10.4	896.2
36°	157.1	10.1	906.3
37°	149.0	9.8	916.2
38°	136.9	9.2	925.4
39°	128.9	8.9	934.3
40°	120.8	8.5	942.8
41°	112.8	8.1	950.9
42°	100.7	7.4	958.3
43°	92.6	6.9	965.2
44°	84.6	6.4	971.7
45°	76.5	5.9	977.6
46°	64.4	5.1	982.7

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	52.4	4.2	986.9
48°	44.3	3.6	990.5
49°	36.2	3.0	993.5
50°	28.2	2.4	995.9
51°	24.2	2.1	997.9
52°	16.1	1.4	999.3
53°	8.1	0.7	1000.0
54°	0.0	0.0	1000.0
55°	0.0	0.0	1000.0
56°	0.0	0.0	1000.0
57°	0.0	0.0	1000.0
58°	0.0	0.0	1000.0
59°	0.0	0.0	1000.0
60°	0.0	0.0	1000.0
61°	0.0	0.0	1000.0
62°	0.0	0.0	1000.0
63°	0.0	0.0	1000.0
64°	0.0	0.0	1000.0
65°	0.0	0.0	1000.0
66°	0.0	0.0	1000.0
67°	0.0	0.0	1000.0
68°	0.0	0.0	1000.0
69°	0.0	0.0	1000.0
70°	0.0	0.0	1000.0
71°	0.0	0.0	1000.0
72°	0.0	0.0	1000.0
73°	0.0	0.0	1000.0
74°	0.0	0.0	1000.0
75°	0.0	0.0	1000.0
76°	0.0	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									
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	14.3	15.4	14.7	15.7	16.0	14.3	15.4	14.7	15.7	16.0
	3H	14.2	15.1	14.6	15.4	15.8	14.2	15.1	14.6	15.4	15.8
	4H	14.1	14.9	14.5	15.2	15.6	14.1	14.9	14.5	15.2	15.6
	6H	14.0	14.7	14.4	15.1	15.5	14.0	14.7	14.4	15.1	15.5
	8H	14.1	14.6	14.5	15.0	15.4	14.1	14.6	14.5	15.0	15.4
	12H	14.0	14.5	14.4	14.9	15.3	14.0	14.5	14.4	14.9	15.3
4H	2H	14.1	14.9	14.5	15.2	15.6	14.1	14.9	14.5	15.2	15.6
	3H	13.9	14.5	14.3	14.9	15.4	13.9	14.5	14.3	14.9	15.4
	4H	13.8	14.3	14.2	14.8	15.2	13.8	14.3	14.2	14.8	15.2
	6H	13.7	14.1	14.1	14.6	15.1	13.7	14.1	14.1	14.6	15.1
	8H	13.6	14.0	14.1	14.5	15.0	13.6	14.0	14.1	14.5	15.0
	12H	13.6	13.9	14.1	14.4	14.9	13.6	13.9	14.1	14.4	14.9
8H	4H	13.6	14.0	14.1	14.5	15.0	13.6	14.0	14.1	14.5	15.0
	6H	13.5	13.8	14.0	14.3	14.8	13.5	13.8	14.0	14.3	14.8
	8H	13.4	13.7	13.9	14.2	14.7	13.4	13.7	13.9	14.2	14.7
	12H	13.3	13.6	13.9	14.1	14.6	13.3	13.6	13.9	14.1	14.6
12H	4H	13.6	13.9	14.1	14.4	14.9	13.6	13.9	14.1	14.4	14.9
	6H	13.4	13.7	13.9	14.2	14.7	13.4	13.7	13.9	14.2	14.7
	8H	13.3	13.6	13.9	14.1	14.6	13.3	13.6	13.9	14.1	14.6

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 143
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C-planes	0°
γ	Luminance in cd/m ²
45°	13409.2
50°	5434.6
55°	0.0
60°	0.0
65°	0.0
70°	0.0
75°	0.0
80°	0.0
85°	0.0

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

