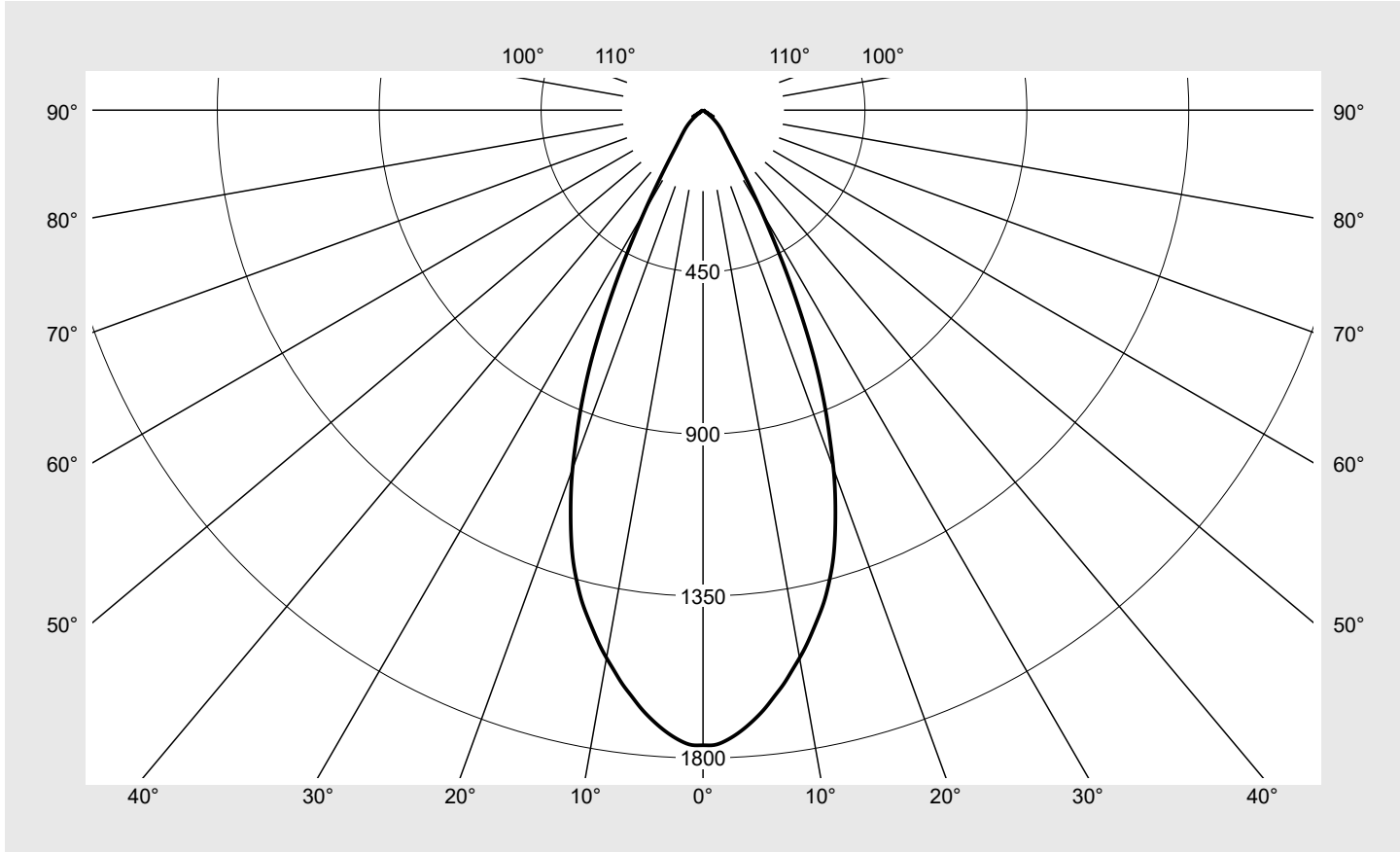


Photometric test report

Family Lunis mini Spot	Order number: 51DH11CD1FG22 + 59DL1L0000G0000D0 EAN: 4058352106884 + 4058352030165	LP number 57187_25
Version	prismatic diffuser, darklight reflector, highly specular, medium beam	serial documentation 27.07.2017
Lamps	LED 4000K / CRI ≥ 80	
Controlgear	ECG-DALI	
Rated values	Net luminous flux = 1160 lm Power consumption = 10.4 W Luminous efficacy = 111.5 lm/W	



Luminous intensity in cd/klm C180-0 **Imax: 1764 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

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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°	1764.5	0.4	0.4
1°	1764.2	3.4	3.8
2°	1753.9	6.7	10.5
3°	1737.8	10.0	20.5
4°	1717.7	13.1	33.6
5°	1694.6	16.2	49.8
6°	1668.5	19.1	68.9
7°	1638.9	21.9	90.8
8°	1610.2	24.6	115.4
9°	1577.2	27.1	142.5
10°	1545.3	29.4	171.9
11°	1511.6	31.6	203.5
12°	1474.7	33.6	237.2
13°	1438.2	35.5	272.6
14°	1399.9	37.1	309.8
15°	1355.4	38.5	348.2
16°	1307.6	39.5	387.8
17°	1251.9	40.1	427.9
18°	1190.6	40.3	468.3
19°	1127.7	40.3	508.5
20°	1060.4	39.8	548.3
21°	986.5	38.8	587.1
22°	916.3	37.6	624.7
23°	842.8	36.1	660.8
24°	766.4	34.2	695.0
25°	683.0	31.7	726.6
26°	600.2	28.9	755.5
27°	522.8	26.0	781.5
28°	448.3	23.1	804.6
29°	381.0	20.3	824.9
30°	326.3	17.9	842.8
31°	276.9	15.6	858.4
32°	234.0	13.6	872.0
33°	200.4	12.0	884.0
34°	173.4	10.6	894.6
35°	152.0	9.6	904.2
36°	134.5	8.7	912.8
37°	120.6	8.0	920.8
38°	110.1	7.4	928.2
39°	100.5	6.9	935.2
40°	93.6	6.6	941.8
41°	86.7	6.2	948.0
42°	80.8	5.9	953.9
43°	75.2	5.6	959.5
44°	69.9	5.3	964.9
45°	64.3	5.0	969.8
46°	58.7	4.6	974.5

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	53.1	4.3	978.7
48°	46.8	3.8	982.5
49°	40.9	3.4	985.9
50°	34.6	2.9	988.8
51°	28.0	2.4	991.2
52°	21.8	1.9	993.1
53°	14.8	1.3	994.4
54°	9.6	0.8	995.2
55°	6.3	0.6	995.8
56°	36.3	3.3	999.1
57°	9.9	0.9	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	12.1	13.2	12.5	13.5	13.8	12.1	13.2	12.5	13.5	13.8
	3H	12.0	12.9	12.4	13.2	13.6	12.0	12.9	12.4	13.2	13.6
	4H	11.9	12.7	12.3	13.1	13.5	11.9	12.7	12.3	13.1	13.5
	6H	11.8	12.6	12.2	12.9	13.3	11.8	12.6	12.2	12.9	13.3
	8H	11.9	12.5	12.3	12.9	13.3	11.9	12.5	12.3	12.9	13.3
	12H	11.9	12.4	12.3	12.8	13.2	11.9	12.4	12.3	12.8	13.2
4H	2H	11.9	12.8	12.3	13.1	13.5	11.9	12.8	12.3	13.1	13.5
	3H	11.7	12.4	12.1	12.8	13.2	11.7	12.4	12.1	12.8	13.2
	4H	11.6	12.2	12.0	12.6	13.1	11.6	12.2	12.0	12.6	13.1
	6H	11.5	12.0	12.0	12.5	12.9	11.5	12.0	12.0	12.5	12.9
	8H	11.5	11.9	12.0	12.4	12.9	11.5	11.9	12.0	12.4	12.9
	12H	11.5	11.8	12.0	12.3	12.8	11.5	11.8	12.0	12.3	12.8
8H	4H	11.5	11.9	12.0	12.4	12.9	11.5	11.9	12.0	12.4	12.9
	6H	11.4	11.7	11.9	12.2	12.7	11.4	11.7	11.9	12.2	12.7
	8H	11.3	11.6	11.8	12.1	12.6	11.3	11.6	11.8	12.1	12.6
	12H	11.2	11.5	11.8	12.0	12.5	11.2	11.5	11.8	12.0	12.5
12H	4H	11.5	11.8	12.0	12.3	12.8	11.5	11.8	12.0	12.3	12.8
	6H	11.3	11.6	11.8	12.1	12.6	11.3	11.6	11.8	12.1	12.6
	8H	11.2	11.5	11.8	12.0	12.5	11.2	11.5	11.8	12.0	12.5

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°	6565.5	
50°	3888.9	
55°	788.7	
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**

