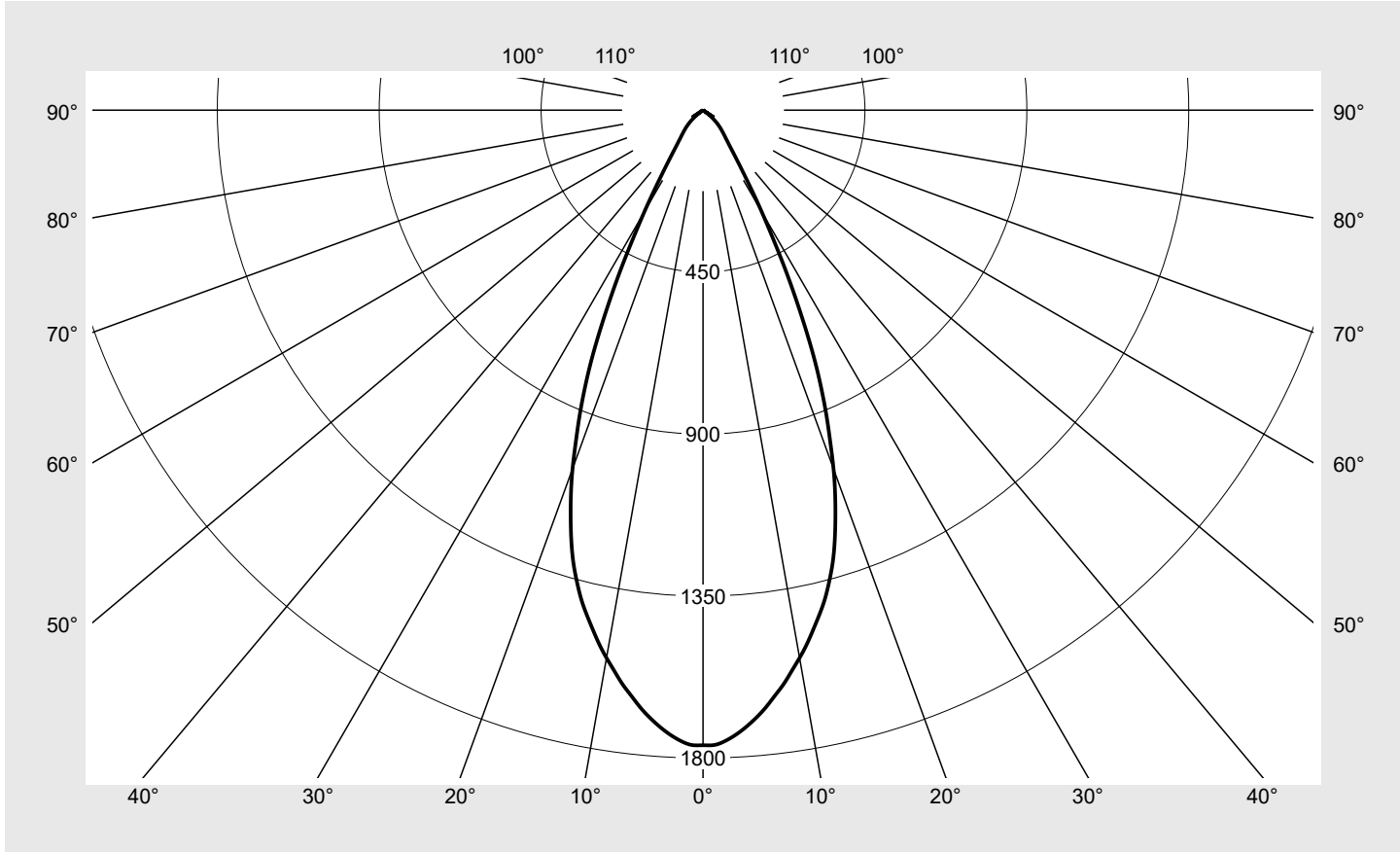


# Photometric test report

<b>Family</b> Lunis mini Spot	<b>Order number:</b> 51DH11B71FG22 + 59DL1L0000G0000D0 <b>EAN:</b> 4058352107737 + 4058352030165	<b>LP number</b> 57187_17
<b>Version</b>	prismatic diffuser, darklight reflector, highly specular, medium beam	<b>serial documentation</b> 27.07.2017
<b>Lamps</b>	LED 4000K / CRI ≥ 80	
<b>Controlgear</b>	ECG	
<b>Rated values</b>	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	
$\eta_{LB}$	100.0%
$\phi_u$	100.0%
$\phi_o$	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

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<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>sITeco</b>

C-planes	0°	Phi-zone	Total Phi-zone
$\gamma$	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
$\gamma$	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

<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b> D = 143
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C-planes		0°
$\gamma$	Luminance in cd/m <sup>2</sup>	
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/m<sup>2</sup>**      γ 65°    γ 70°    γ 75°    γ 80°    γ 85°      **siteco**

