
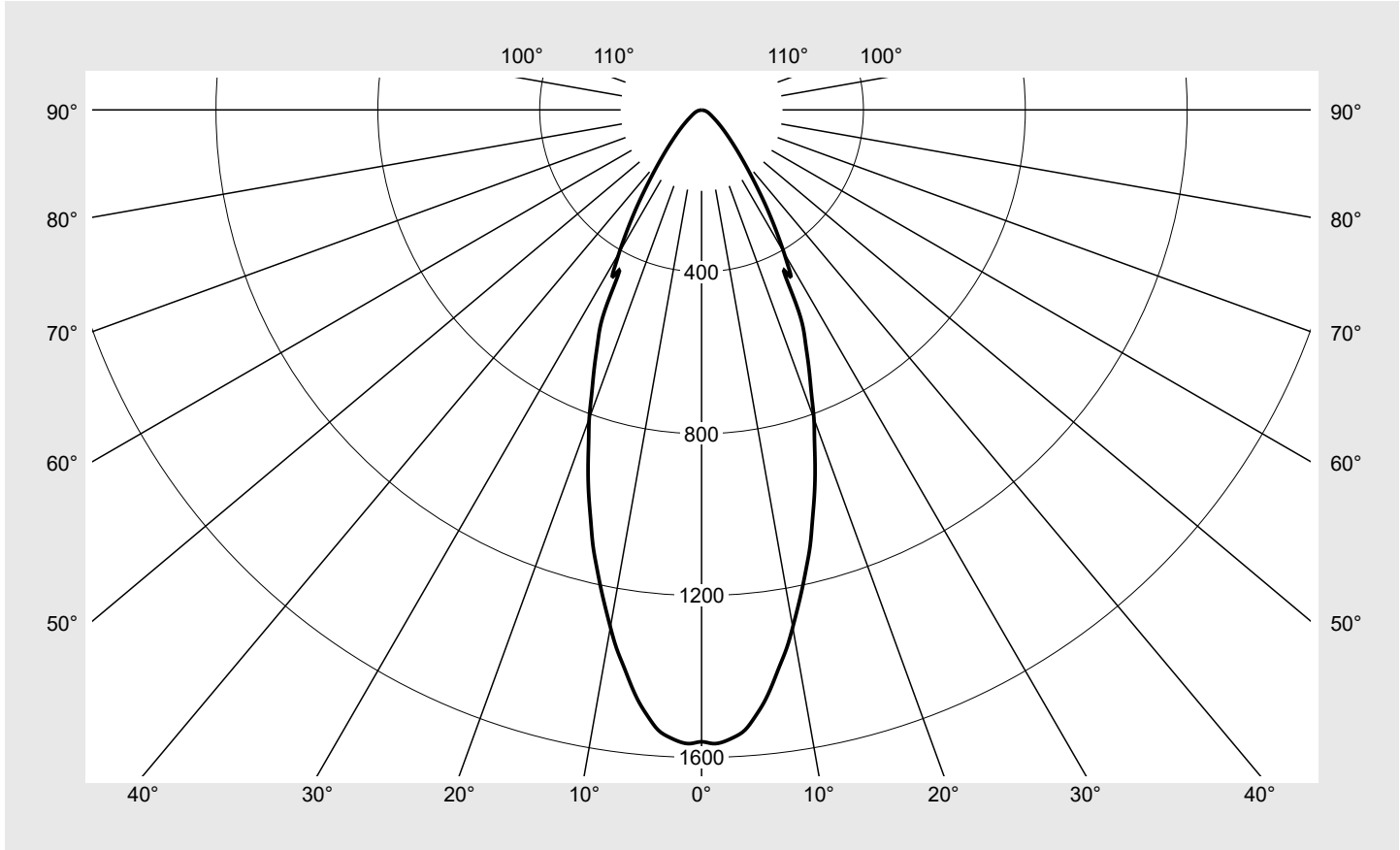


# Photometric test report

<b>Family</b> <b>Lunis 41</b> 	<b>Order number: 51DT137A42A</b> <b>EAN: 4058352510032</b>	<b>LP number</b> <b>59233_2</b>
	<b>Version</b> Lens optics, medium distribution <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG <b>Rated values</b> Net luminous flux = 720 lm Power consumption = 6.5 W Luminous efficacy = 110.8 lm/W	<b>serial documentation</b> <b>07.12.2021</b>

**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	
$\eta_{LB}$	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°	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
$\gamma$	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

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<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
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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	22.4	23.6	22.8	23.9	24.3	22.4	23.6	22.8	23.9	24.3
	3H	22.8	23.9	23.2	24.2	24.6	22.8	23.9	23.2	24.2	24.6
	4H	23.0	24.0	23.4	24.3	24.7	23.0	24.0	23.4	24.3	24.7
	6H	23.1	24.0	23.5	24.3	24.7	23.1	24.0	23.5	24.3	24.7
	8H	23.2	24.0	23.7	24.3	24.7	23.2	24.0	23.7	24.3	24.7
	12H	23.2	23.9	23.7	24.3	24.7	23.2	23.9	23.7	24.3	24.7
4H	2H	22.5	23.5	22.9	23.8	24.2	22.5	23.5	22.9	23.8	24.2
	3H	23.1	23.9	23.5	24.3	24.7	23.1	23.9	23.5	24.3	24.7
	4H	23.3	24.0	23.7	24.4	24.9	23.3	24.0	23.7	24.4	24.9
	6H	23.5	24.1	23.9	24.5	25.0	23.5	24.1	23.9	24.5	25.0
	8H	23.5	24.1	24.0	24.5	25.0	23.5	24.1	24.0	24.5	25.0
	12H	23.6	24.0	24.1	24.5	25.0	23.6	24.0	24.1	24.5	25.0
8H	4H	23.4	23.9	23.8	24.3	24.8	23.4	23.9	23.8	24.3	24.8
	6H	23.6	24.0	24.1	24.5	25.0	23.6	24.0	24.1	24.5	25.0
	8H	23.6	24.0	24.2	24.5	25.0	23.6	24.0	24.2	24.5	25.0
	12H	23.7	24.0	24.3	24.5	25.1	23.7	24.0	24.3	24.5	25.1
12H	4H	23.4	23.8	23.9	24.3	24.8	23.4	23.8	23.9	24.3	24.8
	6H	23.6	23.9	24.1	24.4	25.0	23.6	23.9	24.1	24.4	25.0
	8H	23.7	24.0	24.2	24.5	25.0	23.7	24.0	24.2	24.5	25.0

<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm: D = 44</b>
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<b>C-planes</b>	<b>0°</b>
$\gamma$	<b>Luminance in cd/m<sup>2</sup></b>
45°	62384.6
50°	44337.6
55°	32799.3
60°	26501.0
65°	23339.9
70°	21095.3
75°	18677.7
80°	15022.4
85°	12697.0

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**Luminance values in cd/m<sup>2</sup>**

$\gamma$  65°    
   $\gamma$  70°    
   $\gamma$  75°    
   $\gamma$  80°    
   $\gamma$  85°

**siteco**

