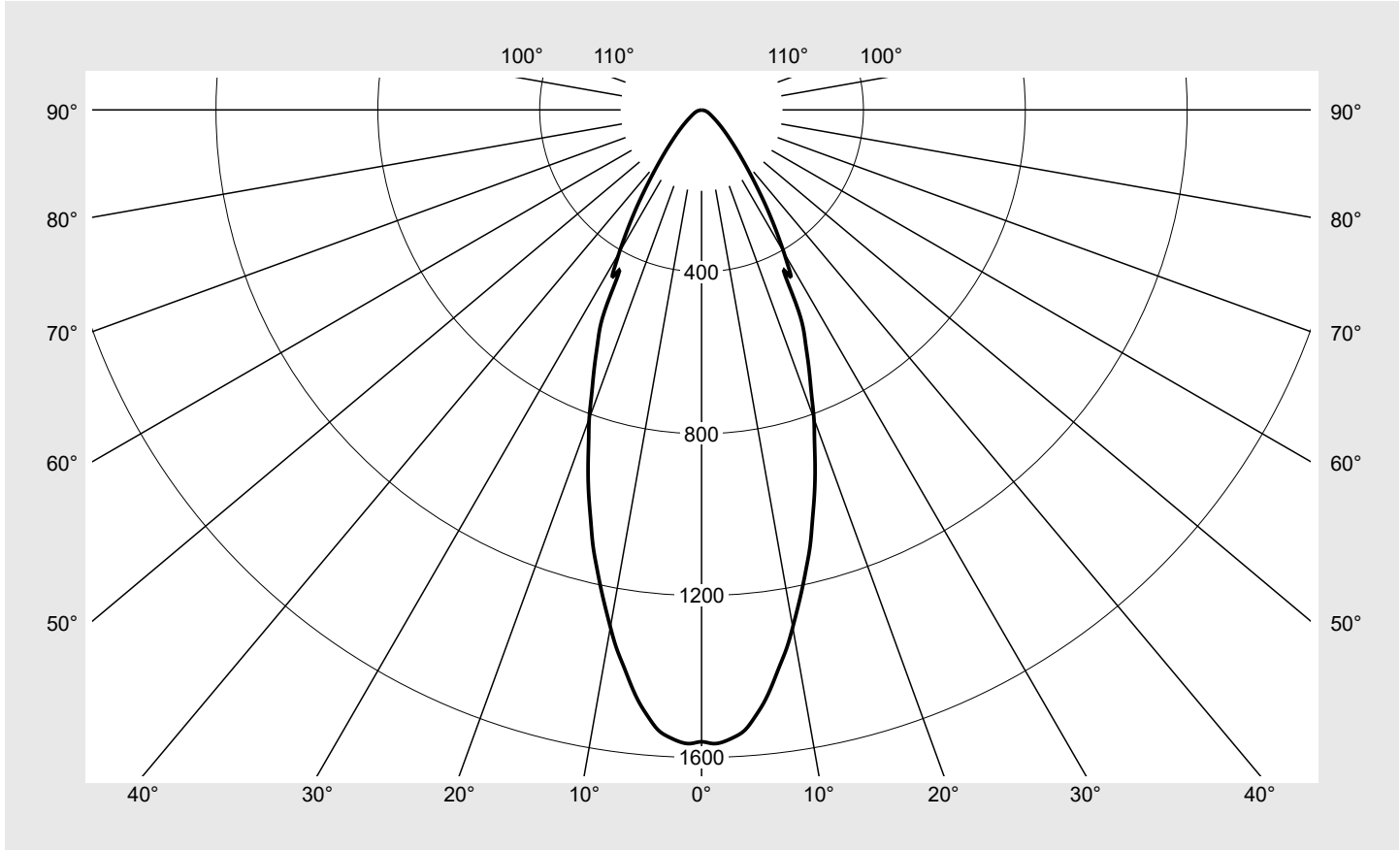


# Photometric test report

<b>Family</b> <b>Lunis 41</b>	<b>Order number: 51DT137A32A</b> <b>EAN: 4058352510018</b>	<b>LP number</b> <b>59233_4</b>
	<b>Version</b>	Lens optics, medium distribution
	<b>Lamps</b>	LED 3000 K   CRI ≥ 80
	<b>Controlgear</b>	ECG
	<b>Rated values</b>	Net luminous flux = 650 lm Power consumption = 6.5 W Luminous efficacy = 100 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

## Photometric test report

<b>Family</b> Lunis 41	<b>Order number: 51DT137A32A</b> <b>EAN: 4058352510018</b>	<b>LP number</b> 59233_4
<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

## Photometric test report

Family <b>Lunis 41</b>	Order number: <b>51DT137A32A</b> EAN: <b>4058352510018</b>	LP number <b>59233_4</b>
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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	22.1	23.3	22.4	23.6	23.9	22.1	23.3	22.4	23.6	23.9
	3H	22.5	23.5	22.8	23.9	24.2	22.5	23.5	22.8	23.9	24.2
	4H	22.6	23.6	23.0	24.0	24.3	22.6	23.6	23.0	24.0	24.3
	6H	22.7	23.6	23.2	24.0	24.4	22.7	23.6	23.2	24.0	24.4
	8H	22.9	23.6	23.3	24.0	24.4	22.9	23.6	23.3	24.0	24.4
	12H	22.9	23.5	23.3	23.9	24.4	22.9	23.5	23.3	23.9	24.4
4H	2H	22.2	23.1	22.6	23.5	23.9	22.2	23.1	22.6	23.5	23.9
	3H	22.7	23.5	23.1	23.9	24.3	22.7	23.5	23.1	23.9	24.3
	4H	22.9	23.7	23.4	24.1	24.5	22.9	23.7	23.4	24.1	24.5
	6H	23.1	23.7	23.6	24.2	24.6	23.1	23.7	23.6	24.2	24.6
	8H	23.2	23.7	23.6	24.2	24.6	23.2	23.7	23.6	24.2	24.6
	12H	23.2	23.7	23.7	24.1	24.6	23.2	23.7	23.7	24.1	24.6
8H	4H	23.0	23.5	23.5	24.0	24.5	23.0	23.5	23.5	24.0	24.5
	6H	23.2	23.7	23.7	24.1	24.6	23.2	23.7	23.7	24.1	24.6
	8H	23.3	23.7	23.8	24.2	24.7	23.3	23.7	23.8	24.2	24.7
	12H	23.4	23.7	23.9	24.2	24.7	23.4	23.7	23.9	24.2	24.7
12H	4H	23.0	23.4	23.5	23.9	24.4	23.0	23.4	23.5	23.9	24.4
	6H	23.2	23.6	23.7	24.1	24.6	23.2	23.6	23.7	24.1	24.6
	8H	23.3	23.6	23.8	24.1	24.7	23.3	23.6	23.8	24.1	24.7

<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°	56319.4
50°	40027.0
55°	29610.5
60°	23924.5
65°	21070.7
70°	19044.3
75°	16861.8
80°	13561.9
85°	11462.5

**Photometric test report**

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

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

