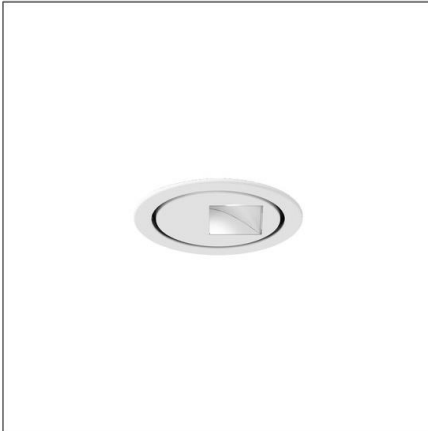


## Photometric test report

**Family**  
Lunis micro round

**Order number: 51DJ11CD1WG21**  
**EAN: 4058352105412**

**LP number**  
**57409\_3**



**Version** wallwasher, aluminium reflector, direct, asymmetric distribution

**Lamps** 1 x LED 4000K / CRI ≥ 80  
(unbekannt LED 4000K / CRI = 80)

**Controlgear** ECG-DALI

**Rated values** Net luminous flux = 1400 lm  
Power consumption = 19.7 W  
Luminous efficacy = 71.1 lm/W

**serial**  
**documentation**  
**16.02.2017**

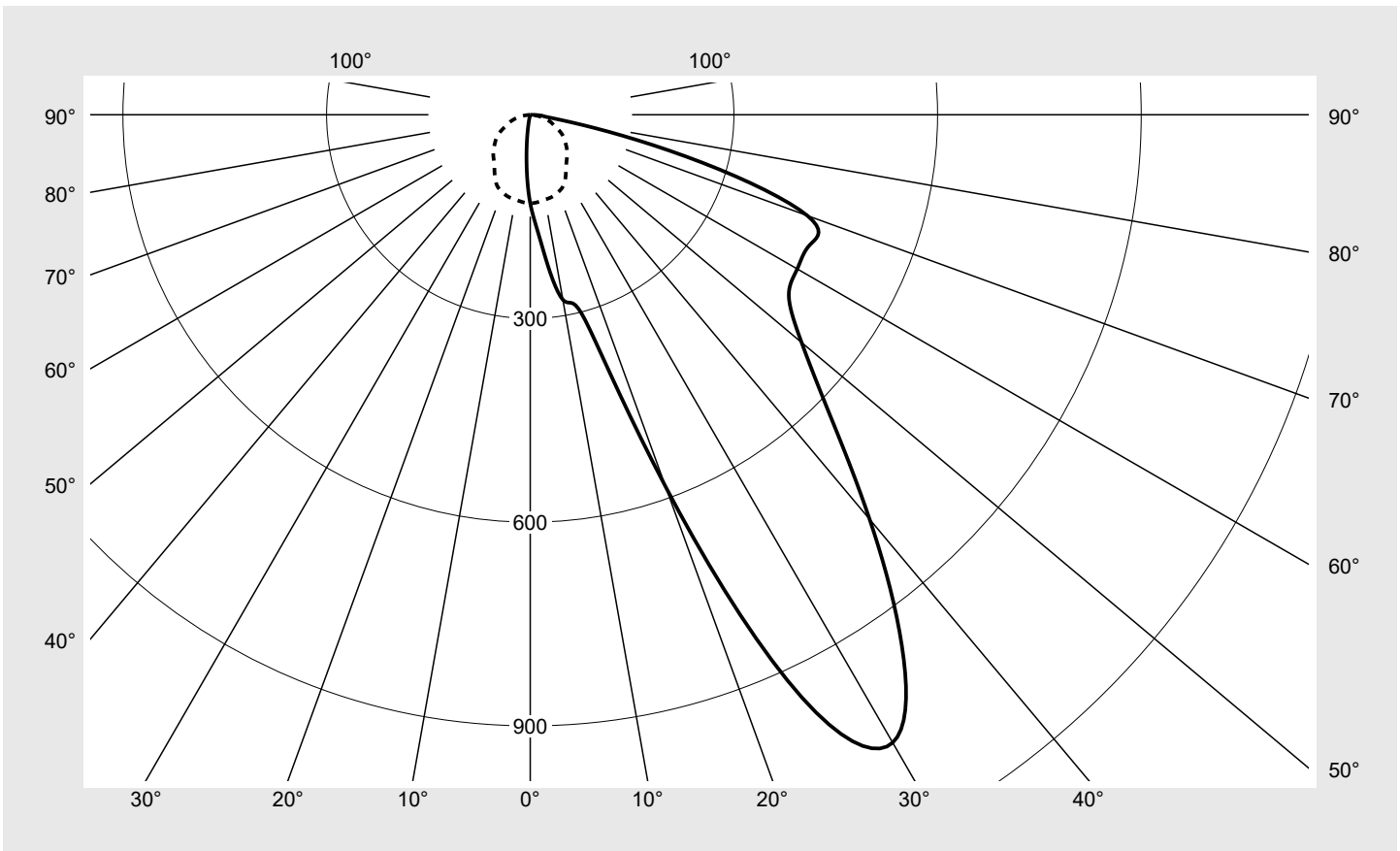
**sITeco**

**Luminous intensity in cd/klm**

**C180-0**

**C270-90**

**Imax: 1068 cd/klm**



### Classifications

DIN 5040 A 3 0  
CIE N1=42 N2=76 N3=96  
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

Family Lunis micro round	Order number: 51DJ11CD1WG21 EAN: 4058352105412	LP number 57409_3
Table of values for luminous intensities		Maximum luminous intensity
		<b>sITeco</b>

C-planes	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
$\gamma$	Luminous intensity in cd/klm						
0°	130.4	130.4	130.4	130.4	130.4	130.4	130.4
5°	191.9	191.0	189.2	182.0	167.7	149.0	129.1
10°	276.7	273.9	259.5	218.1	191.4	168.4	126.8
15°	313.6	299.6	287.9	270.8	219.1	180.5	125.0
20°	583.0	524.5	420.4	293.3	264.0	181.8	121.1
25°	947.1	893.5	733.5	431.6	270.7	194.9	115.3
30°	1067.8	1056.6	982.7	683.1	309.6	208.2	104.3
35°	954.3	962.0	962.9	889.9	416.1	216.6	92.2
40°	777.7	791.7	828.6	872.3	537.1	202.3	83.9
45°	623.6	638.5	661.4	715.1	584.9	200.0	77.0
50°	521.8	515.9	519.1	530.8	515.5	212.6	68.7
55°	465.0	452.8	425.3	383.0	401.5	229.1	61.1
60°	454.2	433.9	381.2	300.5	290.6	230.8	51.7
65°	454.2	432.1	371.3	264.9	203.4	185.5	40.1
70°	434.3	419.0	360.5	241.5	152.5	125.8	32.4
75°	237.0	258.2	238.4	209.1	124.3	82.1	23.7
80°	52.3	62.2	59.9	86.1	80.9	54.5	14.3
85°	18.0	19.4	15.8	17.1	18.9	15.3	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

## Photometric test report

Family <b>Lunis micro round</b>	Order number: <b>51DJ11CD1WG21</b> EAN: <b>4058352105412</b>	LP number <b>57409_3</b>
Table of values for luminous intensities		Maximum luminous intensity
		<b>sitEco</b>

C-planes	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°	Phi-zone	Total Phi-zone
$\gamma$	Luminous intensity in cd/klm						Luminous flux in lm/klm	
0°	130.4	130.4	130.4	130.4	130.4	130.4	0.8	0.8
5°	110.9	91.7	77.9	71.6	64.0	63.1	6.2	7.0
10°	91.7	63.0	43.7	32.9	19.8	18.0	13.0	19.9
15°	73.8	40.6	14.9	9.5	4.5	3.6	19.9	39.9
20°	58.4	16.9	5.0	1.4	0.9	0.9	34.0	73.9
25°	44.0	9.3	1.4	0.9	0.9	0.9	61.2	135.1
30°	29.4	3.2	1.4	0.9	0.9	0.9	89.4	224.5
35°	16.6	2.7	0.9	0.9	0.9	0.9	105.8	330.3
40°	10.4	2.5	0.9	0.9	0.9	0.9	109.2	439.6
45°	5.8	2.3	0.9	0.9	0.9	0.0	103.3	542.9
50°	3.1	2.2	0.9	0.9	0.5	0.0	92.1	635.0
55°	2.7	2.1	0.9	0.9	0.5	0.0	82.0	717.0
60°	2.5	1.9	0.9	0.0	0.5	0.0	76.0	793.0
65°	2.3	1.8	0.5	0.0	0.0	0.0	71.6	864.6
70°	2.1	1.7	0.0	0.0	0.0	0.0	66.6	931.2
75°	1.8	1.5	0.0	0.0	0.0	0.0	46.7	977.9
80°	1.6	1.4	0.0	0.0	0.0	0.0	17.4	995.3
85°	1.3	1.3	0.0	0.0	0.0	0.0	4.6	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

## Photometric test report

<b>Family</b> Lunis micro round	<b>Order number: 51DJ11CD1WG21</b> <b>EAN: 4058352105412</b>	<b>LP number</b> 57409_3
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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	38.4	40.2	38.7	40.5	40.8	32.1	33.9	32.5	34.2	34.5
	3H	41.4	42.9	41.7	43.3	43.6	33.0	34.6	33.4	35.0	35.3
	4H	42.3	43.8	42.7	44.1	44.5	33.2	34.8	33.6	35.1	35.5
	6H	42.5	43.9	42.9	44.2	44.6	33.3	34.8	33.7	35.2	35.5
	8H	42.5	43.8	43.0	44.2	44.6	33.3	34.8	33.7	35.1	35.5
	12H	42.6	43.7	43.0	44.1	44.5	33.3	34.7	33.7	35.1	35.5
4H	2H	38.9	40.4	39.2	40.8	41.1	33.6	35.0	34.0	35.4	35.8
	3H	42.1	43.4	42.6	43.8	44.2	34.7	36.0	35.1	36.4	36.8
	4H	43.2	44.4	43.6	44.8	45.2	35.1	36.3	35.6	36.7	37.1
	6H	43.5	44.5	44.0	44.9	45.4	35.4	36.5	35.9	36.9	37.3
	8H	43.5	44.4	44.0	44.9	45.3	35.5	36.5	35.9	36.9	37.4
	12H	43.6	44.4	44.0	44.8	45.3	35.5	36.4	36.0	36.8	37.3
8H	4H	43.4	44.3	43.8	44.8	45.2	36.4	37.3	36.9	37.8	38.2
	6H	43.7	44.5	44.2	44.9	45.4	36.9	37.7	37.4	38.1	38.6
	8H	43.7	44.4	44.2	44.9	45.4	37.0	37.7	37.5	38.2	38.7
	12H	43.8	44.3	44.3	44.8	45.4	37.0	37.7	37.5	38.1	38.7
12H	4H	43.3	44.3	43.8	44.7	45.2	36.5	37.3	37.0	37.8	38.2
	6H	43.7	44.4	44.2	44.9	45.4	37.0	37.7	37.5	38.1	38.7
	8H	43.7	44.3	44.2	44.8	45.4	37.2	37.7	37.7	38.2	38.8

<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 50</b>
			<b>B = 37</b>

C-planes	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°
$\gamma$	Luminance in cd/m <sup>2</sup>												
45°	667374.7	683285.6	707882.4	765263.1	626001.3	214050.6	82408.7	6220.1	2411.2	964.3	964.3	964.3	0.0
50°	614268.1	607373.8	611083.4	624876.7	606844.0	250323.2	80842.0	3607.3	2546.5	1060.8	1060.8	531.0	0.0
55°	613494.2	597434.9	561174.8	505294.4	529731.7	302286.3	80549.9	3566.2	2735.0	1188.7	1188.7	595.0	0.0
60°	687393.9	656710.5	576924.1	454853.2	439852.8	349358.3	78286.5	3750.5	2863.6	1363.7	0.0	682.6	0.0
65°	813256.3	773731.5	664803.4	474401.2	364194.5	332237.0	71804.6	4114.9	3226.7	807.6	0.0	0.0	0.0
70°	961042.2	927153.9	797545.9	534360.5	337360.9	278443.5	71580.1	4686.3	3688.4	0.0	0.0	0.0	0.0
75°	692948.7	754870.7	696913.5	611275.9	363479.7	240164.9	69296.0	5268.8	4479.4	0.0	0.0	0.0	0.0
80°	227774.6	270975.4	261156.8	375044.1	352657.1	237397.1	62441.3	7068.7	6088.1	0.0	0.0	0.0	0.0
85°	156490.3	168229.4	136927.9	148667.1	164313.5	133012.0	34818.1	11348.4	11348.4	0.0	0.0	0.0	0.0

**Photometric test report**

<b>Family</b> Lunis micro round	<b>Order number: 51DJ11CD1WG21</b> <b>EAN: 4058352105412</b>	<b>LP number</b> 57409_3
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**Luminance values in cd/m<sup>2</sup>**

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

