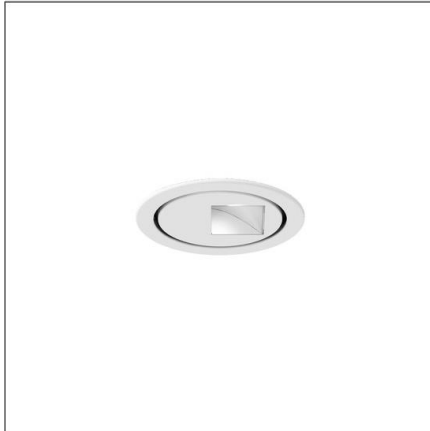


## Lichttechnischer Prüfbefund

**Familie**  
Lunis micro round

**Bestell-Nr.:** 51DJ11CD1WF21  
**EAN:** 4058352105436

**LP-Nummer**  
57409\_4



**Ausführung** Wallwasher, Reflektor, Alu, direkt, asymmetrisch strahlend  
**Bestückung** 1 x LED 3000K / CRI ≥ 80 (unbekannt LED 3000K / CRI = 80)  
**Betriebsgerät** EVG-DALI  
**Bemessungswerte** Nettolichtstrom = 1320 lm  
Systemleistung = 19.7 W  
Lichtausbeute = 67 lm/W

**Seriendokumentation**  
16.02.2017

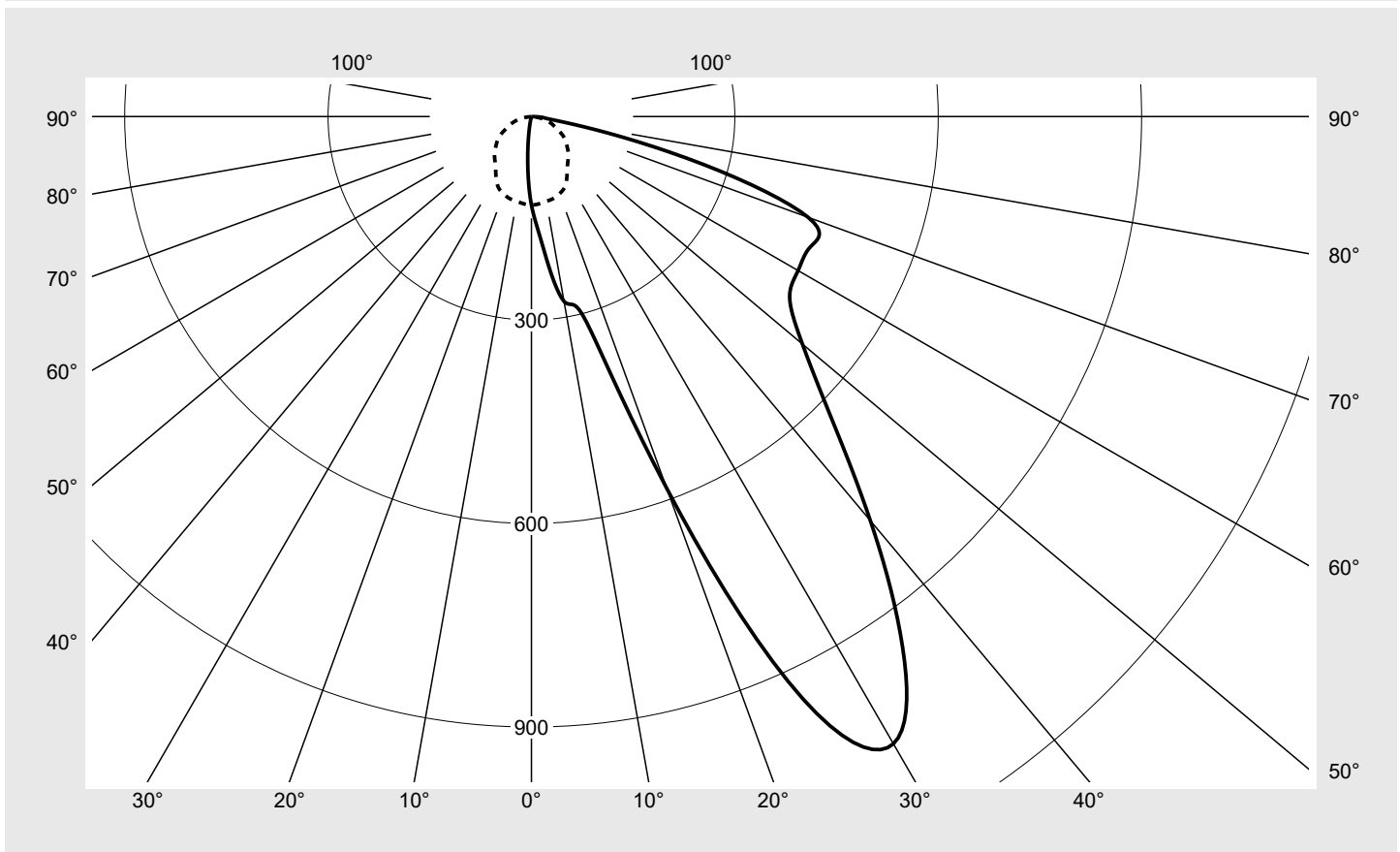
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 1068 cd/klm



#### Klassifizierungen

DIN 5040 A 3 0  
CIE N1=42 N2=76 N3=96  
N4=100 N5=100

#### Leuchtenbetriebswirkungsgrade

$\eta_{LB}$  100,0%  
 $\phi_u$  100,0%  
 $\phi_o$  0,0%

#### Messbedingungen

DIN EN 13032 und DIN 5032

## Lichttechnischer Prüfbefund

<b>Familie</b> Lunis micro round	<b>Bestell-Nr.: 51DJ11CD1WF21</b> <b>EAN: 4058352105436</b>	<b>LP-Nummer</b> <b>57409_4</b>
<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
<b>siteco</b>		

C- Ebenen	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
$\gamma$	Lichtstärke 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

## Lichttechnischer Prüfbefund

<b>Familie</b> Lunis micro round	<b>Bestell-Nr.: 51DJ11CD1WF21</b> <b>EAN: 4058352105436</b>	<b>LP-Nummer</b> 57409_4
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<b>Wertetabelle Lichtstärkemessung</b>	<b>Maximale Lichtstärke</b>	<b>siteco</b>
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C- Ebenen	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°	Phi-Zone	Summe Phi-Zone
$\gamma$	Lichtstärke in cd/klm						Lichtstrom 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

## Lichttechnischer Prüfbefund

<b>Familie</b> Lunis micro round	<b>Bestell-Nr.: 51DJ11CD1WF21</b> <b>EAN: 4058352105436</b>	<b>LP-Nummer</b> 57409_4
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<b>UGR-Tabelle</b>	<b>Standardraum</b>	<b>siteco</b>
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Reflexionsgrad Decke	0,7	0,7	0,5	0,5	0,3	0,7	0,7	0,5	0,5	0,3	
Reflexionsgrad Wände	0,5	0,3	0,5	0,3	0,3	0,5	0,3	0,5	0,3	0,3	
Reflexionsgrad Boden	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	
<b>Raumabmessungen</b>	<b>Blickrichtung quer zur Leuchte (C0)</b>					<b>Blickrichtung längs zur Leuchte (C90)</b>					
x	y										
2H	2H	38,2	40,0	38,5	40,3	40,6	31,9	33,7	32,3	34,0	34,3
	3H	41,2	42,7	41,5	43,1	43,4	32,8	34,4	33,2	34,8	35,1
	4H	42,1	43,6	42,5	43,9	44,3	33,0	34,6	33,4	34,9	35,3
	6H	42,3	43,7	42,7	44,0	44,4	33,1	34,6	33,5	35,0	35,3
	8H	42,3	43,6	42,8	44,0	44,4	33,1	34,6	33,5	34,9	35,3
	12H	42,4	43,5	42,8	43,9	44,3	33,1	34,5	33,5	34,9	35,3
4H	2H	38,6	40,2	39,0	40,6	40,9	33,4	34,8	33,8	35,2	35,6
	3H	41,9	43,2	42,3	43,6	44,0	34,5	35,8	34,9	36,2	36,6
	4H	43,0	44,2	43,4	44,6	45,0	34,9	36,1	35,4	36,5	36,9
	6H	43,3	44,3	43,7	44,7	45,2	35,2	36,3	35,7	36,7	37,1
	8H	43,3	44,2	43,8	44,7	45,1	35,3	36,3	35,7	36,7	37,2
	12H	43,4	44,1	43,8	44,6	45,1	35,3	36,2	35,8	36,6	37,1
8H	4H	43,2	44,1	43,6	44,6	45,0	36,2	37,1	36,7	37,6	38,0
	6H	43,5	44,3	44,0	44,7	45,2	36,7	37,5	37,2	37,9	38,4
	8H	43,5	44,2	44,0	44,7	45,2	36,8	37,5	37,3	38,0	38,5
	12H	43,6	44,1	44,1	44,6	45,2	36,8	37,4	37,3	37,9	38,5
12H	4H	43,1	44,1	43,6	44,5	45,0	36,3	37,1	36,8	37,5	38,0
	6H	43,5	44,2	44,0	44,7	45,2	36,8	37,5	37,3	37,9	38,5
	8H	43,5	44,1	44,0	44,6	45,2	37,0	37,5	37,5	38,0	38,6

## Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$

Lichttechnische Abmessungen in mm: **L = 50**  
**B = 37**

C-Ebenen	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°
$\gamma$	Leuchtdichte in cd/m <sup>2</sup>												
45°	629239.0	644240.7	667432.0	721533.7	590229.8	201819.2	77699.7	5864.7	2273.4	909.2	909.2	909.2	0.0
50°	579167.0	572666.7	576164.4	589169.5	572167.2	236019.0	76222.4	3401.1	2401.0	1000.1	1000.1	500.6	0.0
55°	578437.4	563295.8	529107.7	476420.5	499461.3	285012.8	75947.0	3362.5	2578.8	1120.8	1120.8	561.0	0.0
60°	648114.3	619184.2	543957.0	428861.6	414718.3	329394.9	73813.0	3536.2	2699.9	1285.8	0.0	643.6	0.0
65°	766784.5	729518.3	626814.6	447292.5	343383.4	313252.0	67701.5	3879.8	3042.3	761.4	0.0	0.0	0.0
70°	906125.5	874173.6	751971.8	503825.6	318083.1	262532.5	67489.8	4418.5	3477.7	0.0	0.0	0.0	0.0
75°	653351.6	711735.3	657089.9	576345.8	342709.4	226441.2	65336.3	4967.8	4223.4	0.0	0.0	0.0	0.0
80°	214758.9	255491.1	246233.6	353613.0	332505.3	223831.5	58873.2	6664.7	5740.2	0.0	0.0	0.0	0.0
85°	147548.0	158616.3	129103.5	140171.8	154924.2	125411.3	32828.5	10700.0	10700.0	0.0	0.0	0.0	0.0

**Lichttechnischer Prüfbefund**

<b>Familie</b> Lunis micro round	<b>Bestell-Nr.:</b> 51DJ11CD1WF21 <b>EAN:</b> 4058352105436	<b>LP-Nummer</b> 57409_4
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Leuchtdichten in cd/m<sup>2</sup>      γ 65°    γ 70°    γ 75°    γ 80°    γ 85°      **siteco**

