
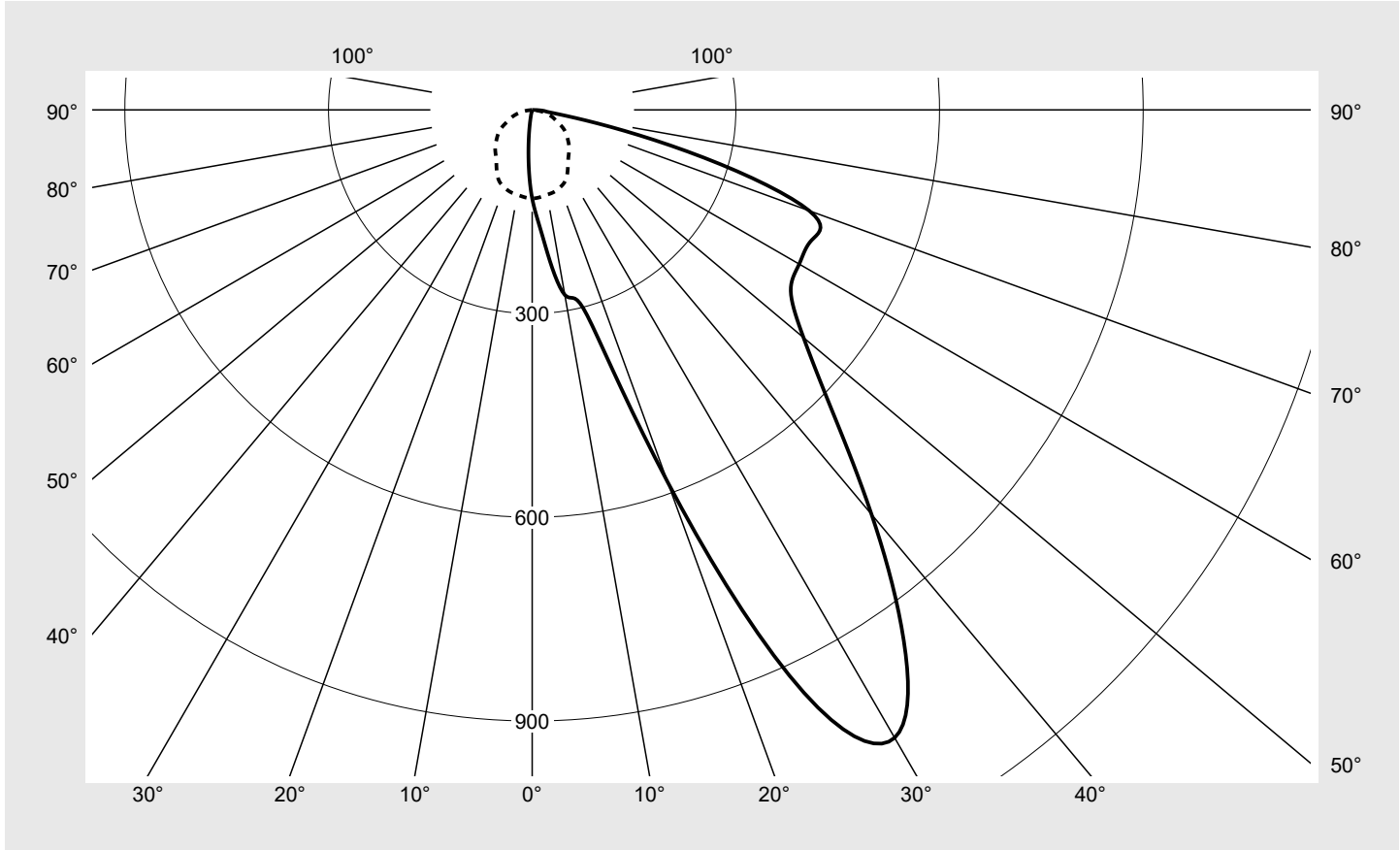


# Photometric test report

<b>Family</b> <b>Lunis micro round</b> 	<b>Order number: 51DJ11B71WF21</b> <b>EAN: 4058352105450</b>	<b>LP number</b> <b>57409_2</b>
	<b>Version</b> wallwasher, aluminium reflector, direct, asymmetric distribution <b>Lamps</b> 1 x LED 3000K / CRI ≥ 80 (unbekannt LED 3000K / CRI = 80) <b>Controlgear</b> ECG <b>Rated values</b> Net luminous flux = 1320 lm Power consumption = 19.7 W Luminous efficacy = 67 lm/W	<b>serial documentation</b> <b>16.02.2017</b>

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

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

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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

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siteco

UGR-Table		Standard room									
Room dimensions		View crosswise (C0)					View endwise (C90)				
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

Luminance table		Max. for $\gamma \geq 65^\circ$											
		Photometric dimensions in mm: L = 50, B = 37											
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°	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

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

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

