
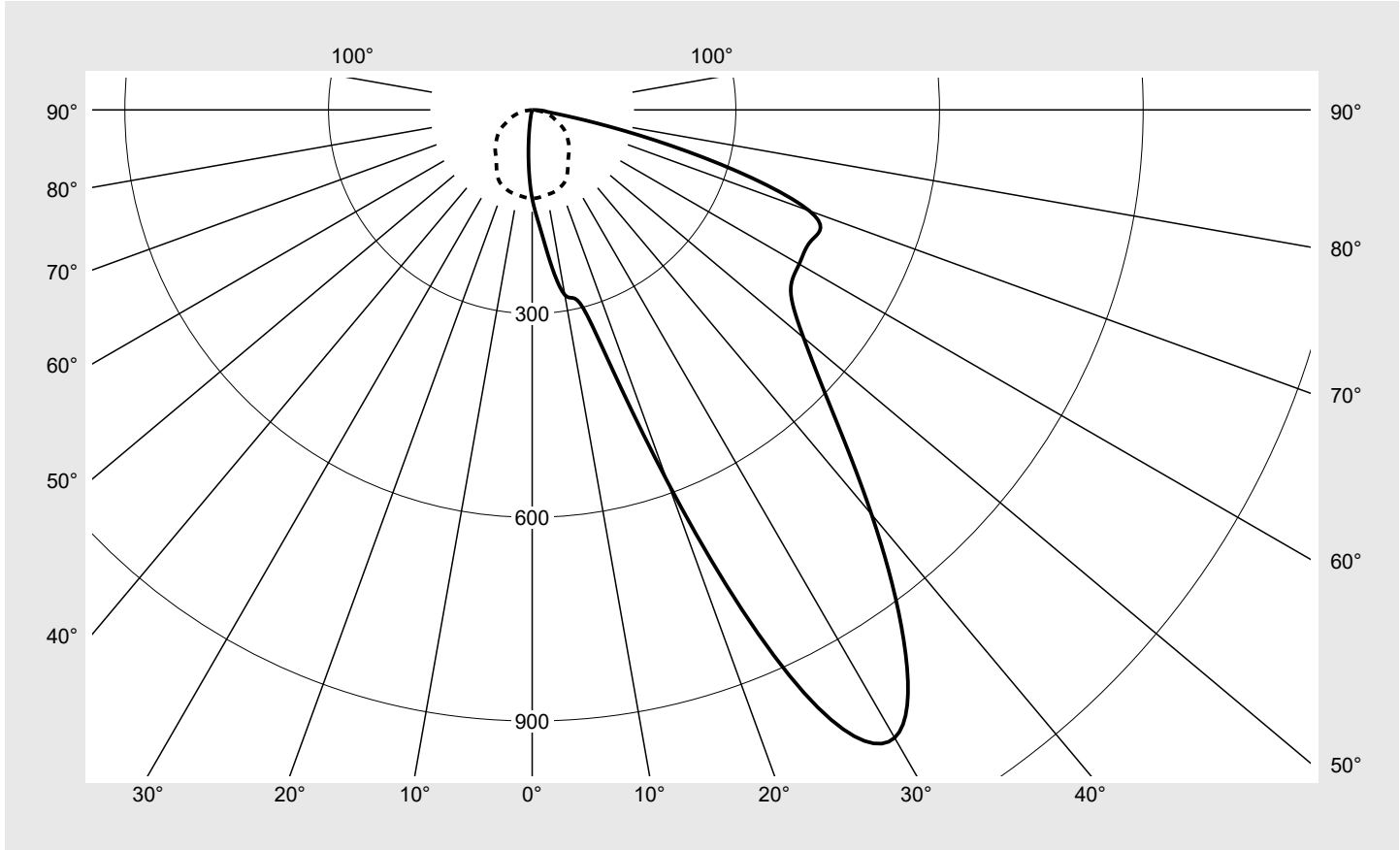


Photometric test report

Family Lunis micro round 	Order number: 51DJ11B71WM21 EAN: 4058352132227	LP number 57409_6
	Version wallwasher, aluminium reflector, direct, asymmetric distribution Lamps 1 x LED 3000K / CRI ≥ 90 (unbekannt LED 3000K / CRI = 90) Controlgear ECG Rated values Net luminous flux = 1100 lm Power consumption = 19.7 W Luminous efficacy = 55.8 lm/W	serial documentation 16.02.2017

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	
η_{LB}	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

Measurement conditions
 DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity
		sITeco

C-planes	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
γ	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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Family Lunis micro round	Order number: 51DJ11B71WM21 EAN: 4058352132227	LP number 57409_6
Table of values for luminous intensities		Maximum luminous intensity
		sITeco

C-planes	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°	Phi-zone	Total Phi-zone
γ	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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UGR-Table	Standard room	siteco
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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	37.5	39.3	37.9	39.6	40.0	31.3	33.1	31.7	33.4	33.7
	3H	40.5	42.1	40.9	42.4	42.8	32.2	33.8	32.5	34.1	34.5
	4H	41.5	42.9	41.8	43.3	43.6	32.4	33.9	32.8	34.3	34.7
	6H	41.7	43.0	42.1	43.4	43.8	32.5	34.0	32.9	34.3	34.7
	8H	41.7	43.0	42.1	43.3	43.7	32.5	33.9	32.9	34.3	34.7
	12H	41.7	42.9	42.2	43.3	43.7	32.5	33.9	32.9	34.2	34.7
4H	2H	38.0	39.6	38.4	39.9	40.3	32.7	34.2	33.1	34.6	34.9
	3H	41.3	42.6	41.7	43.0	43.4	33.9	35.2	34.3	35.5	35.9
	4H	42.4	43.5	42.8	43.9	44.4	34.3	35.5	34.7	35.9	36.3
	6H	42.7	43.7	43.1	44.1	44.5	34.6	35.6	35.0	36.1	36.5
	8H	42.7	43.6	43.2	44.0	44.5	34.6	35.6	35.1	36.1	36.5
	12H	42.7	43.5	43.2	44.0	44.5	34.6	35.6	35.1	36.0	36.5
8H	4H	42.5	43.5	43.0	43.9	44.4	35.6	36.5	36.1	36.9	37.4
	6H	42.9	43.6	43.3	44.1	44.6	36.1	36.8	36.5	37.3	37.8
	8H	42.9	43.6	43.4	44.0	44.6	36.2	36.9	36.7	37.3	37.9
	12H	42.9	43.5	43.4	44.0	44.5	36.2	36.8	36.7	37.3	37.8
12H	4H	42.5	43.4	43.0	43.9	44.4	35.7	36.5	36.1	36.9	37.4
	6H	42.9	43.6	43.3	44.0	44.6	36.2	36.8	36.7	37.3	37.8
	8H	42.9	43.5	43.4	44.0	44.5	36.3	36.9	36.8	37.4	37.9

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 50	B = 37
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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°
γ	Luminance in cd/m ²												
45°	524365.9	536867.3	556193.3	601278.1	491858.1	168182.6	64749.7	4887.2	1894.5	757.6	757.6	757.6	0.0
50°	482639.2	477222.2	480137.0	490974.6	476806.0	196682.5	63518.7	2834.3	2000.8	833.4	833.4	417.2	0.0
55°	482031.2	469413.2	440923.1	397017.0	416217.8	237510.7	63289.2	2802.0	2149.0	934.0	934.0	467.5	0.0
60°	540095.2	515986.8	453297.5	357384.6	345598.6	274495.8	61510.8	2946.8	2249.9	1071.5	0.0	536.3	0.0
65°	638987.1	607931.9	522345.5	372743.8	286152.8	261043.3	56417.9	3233.1	2535.3	634.5	0.0	0.0	0.0
70°	755104.6	728478.0	626643.2	419854.7	265069.3	218777.1	56241.5	3682.1	2898.0	0.0	0.0	0.0	0.0
75°	544459.7	593112.7	547574.9	480288.2	285591.2	188701.0	54446.9	4139.8	3519.5	0.0	0.0	0.0	0.0
80°	178965.8	212909.2	205194.6	294677.5	277087.8	186526.3	49061.0	5553.9	4783.5	0.0	0.0	0.0	0.0
85°	122956.7	132180.3	107586.2	116809.8	129103.5	104509.4	27357.1	8916.6	8916.6	0.0	0.0	0.0	0.0

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco

