
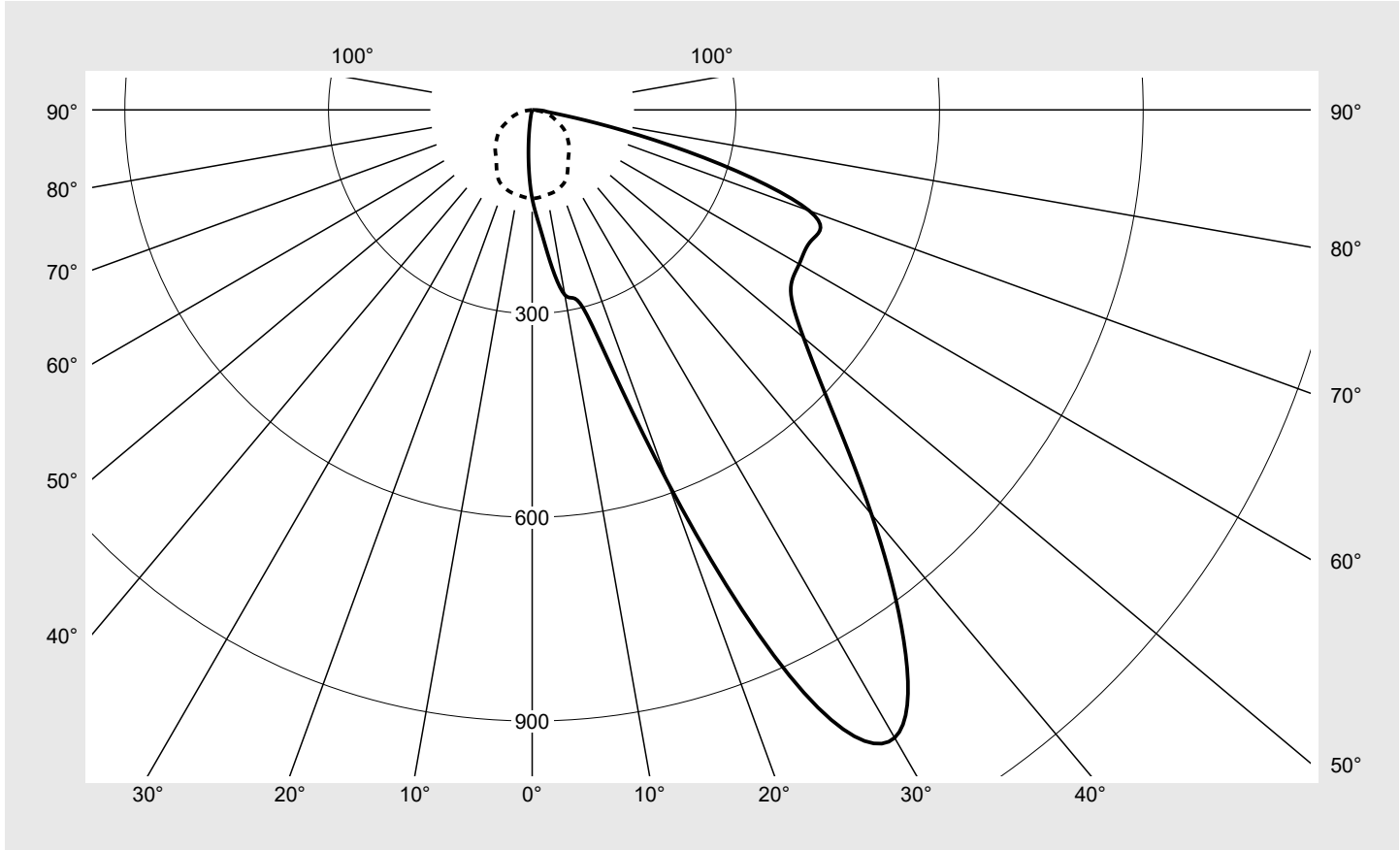


Photometric test report

Family Lunis micro round 	Order number: 51DJ11B71WN21 EAN: 4058352131695	LP number 57409_5
	Version wallwasher, aluminium reflector, direct, asymmetric distribution Lamps 1 x LED 4000K / CRI ≥ 90 (unbekannt LED 4000K / CRI = 90) Controlgear ECG Rated values Net luminous flux = 1210 lm Power consumption = 19.7 W Luminous efficacy = 61.4 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: 51DJ11B71WN21 EAN: 4058352131695	LP number 57409_5
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									
Room dimensions		View crosswise (C0)					View endwise (C90)				
x	y										
2H	2H	37.9	39.7	38.2	40.0	40.3	31.6	33.4	32.0	33.7	34.0
	3H	40.9	42.4	41.2	42.8	43.1	32.5	34.1	32.9	34.5	34.8
	4H	41.8	43.3	42.2	43.6	44.0	32.7	34.3	33.1	34.6	35.0
	6H	42.0	43.4	42.4	43.7	44.1	32.8	34.3	33.2	34.7	35.0
	8H	42.0	43.3	42.4	43.7	44.1	32.8	34.2	33.2	34.6	35.0
	12H	42.1	43.2	42.5	43.6	44.0	32.8	34.2	33.2	34.6	35.0
4H	2H	38.3	39.9	38.7	40.2	40.6	33.1	34.5	33.5	34.9	35.3
	3H	41.6	42.9	42.0	43.3	43.7	34.2	35.5	34.6	35.9	36.3
	4H	42.7	43.9	43.1	44.3	44.7	34.6	35.8	35.1	36.2	36.6
	6H	43.0	44.0	43.4	44.4	44.9	34.9	36.0	35.4	36.4	36.8
	8H	43.0	43.9	43.5	44.4	44.8	35.0	36.0	35.4	36.4	36.9
	12H	43.0	43.8	43.5	44.3	44.8	35.0	35.9	35.4	36.3	36.8
8H	4H	42.9	43.8	43.3	44.3	44.7	35.9	36.8	36.4	37.3	37.7
	6H	43.2	44.0	43.7	44.4	44.9	36.4	37.2	36.9	37.6	38.1
	8H	43.2	43.9	43.7	44.4	44.9	36.5	37.2	37.0	37.7	38.2
	12H	43.3	43.8	43.8	44.3	44.9	36.5	37.1	37.0	37.6	38.2
12H	4H	42.8	43.8	43.3	44.2	44.7	36.0	36.8	36.5	37.2	37.7
	6H	43.2	43.9	43.7	44.4	44.9	36.5	37.2	37.0	37.6	38.2
	8H	43.2	43.8	43.7	44.3	44.9	36.7	37.2	37.2	37.7	38.3

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°
γ	Luminance in cd/m ²												
45°	576802.4	590554.0	611812.6	661405.9	541043.9	185000.9	71224.7	5375.9	2084.0	833.4	833.4	833.4	0.0
50°	530903.1	524944.5	528150.7	540072.0	524486.6	216350.8	69870.6	3117.7	2200.9	916.8	916.8	458.9	0.0
55°	530234.3	516354.5	485015.4	436718.7	457839.5	261261.8	69618.1	3082.3	2363.9	1027.4	1027.4	514.3	0.0
60°	594104.8	567585.5	498627.3	393123.1	380158.5	301945.4	67661.9	3241.5	2474.9	1178.6	0.0	590.0	0.0
65°	702885.8	668725.1	574580.1	410018.1	314768.1	287147.7	62059.7	3556.4	2788.8	698.0	0.0	0.0	0.0
70°	830615.0	801325.8	689307.5	461840.1	291576.2	240654.8	61865.7	4050.3	3187.8	0.0	0.0	0.0	0.0
75°	598905.7	652424.0	602332.4	528317.0	314150.3	207571.1	59891.6	4553.8	3871.5	0.0	0.0	0.0	0.0
80°	196862.4	234200.1	225714.1	324145.3	304796.5	205178.9	53967.1	6109.3	5261.9	0.0	0.0	0.0	0.0
85°	135252.3	145398.3	118344.8	128490.8	142013.8	114960.3	30092.8	9808.3	9808.3	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°

