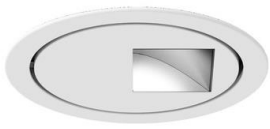
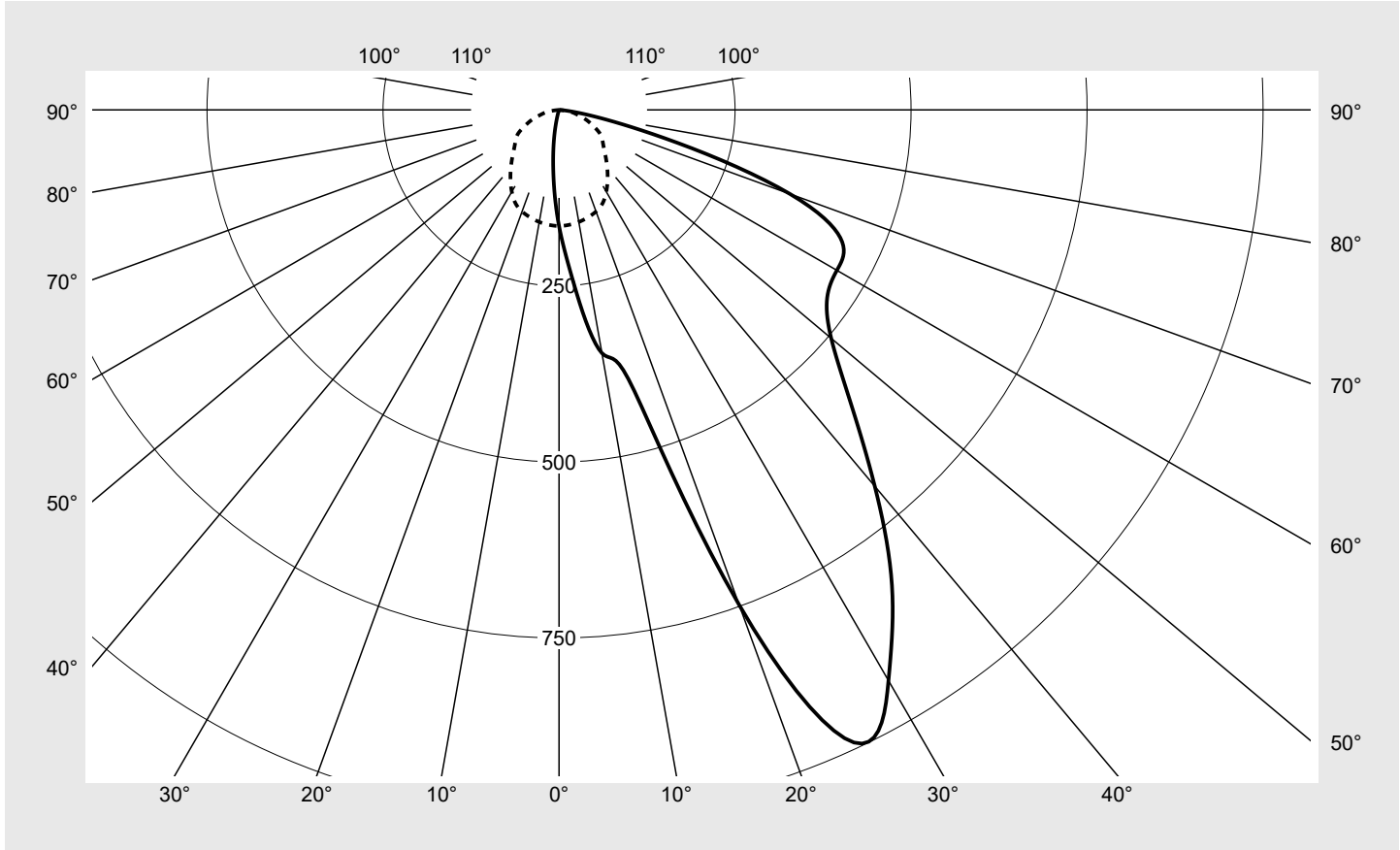


Photometric test report

Family Lunis mini round 	Order number: 51DK11CD2WN21 EAN: 4058352132340	LP number 57410_7
	Version wallwasher, aluminium reflector, direct, asymmetric distribution Lamps 1 x LED 4000K / CRI ≥ 90 (unbekannt LED 4000K / CRI = 90) Controlgear ECG-DALI Rated values Net luminous flux = 2120 lm Power consumption = 27.8 W Luminous efficacy = 76.3 lm/W	serial documentation 16.02.2017

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 991 cd/klm**



Classifications	
DIN 5040	A 3 0
CIE	N1=44 N2=77 N3=97 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

Photometric test report

Family Lunis mini round	Order number: 51DK11CD2WN21 EAN: 4058352132340	LP number 57410_7
Table of values for luminous intensities		Maximum luminous intensity



C-planes	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
γ	Luminous intensity in cd/klm						
0°	164.9	164.9	164.9	164.9	164.9	164.9	164.9
5°	250.7	237.9	206.4	200.9	187.3	180.1	163.9
10°	350.8	344.2	319.8	297.2	230.3	188.8	161.6
15°	413.3	393.4	363.3	348.0	295.6	198.8	158.1
20°	748.3	695.8	529.4	381.5	330.4	237.3	153.6
25°	991.4	962.5	826.6	587.0	343.4	265.0	146.4
30°	935.9	953.0	958.5	814.4	419.8	266.7	134.2
35°	824.4	833.4	861.9	890.8	516.1	258.3	120.3
40°	697.7	708.9	748.3	778.2	575.9	244.8	106.4
45°	584.6	589.8	622.9	619.4	559.9	242.8	93.5
50°	504.7	501.1	508.7	462.5	466.3	252.0	82.9
55°	465.0	452.7	427.2	353.5	364.4	257.1	75.3
60°	455.7	436.7	383.9	300.2	276.5	243.0	67.0
65°	443.8	426.6	377.7	273.5	207.2	183.8	53.3
70°	349.1	358.4	344.5	249.3	157.4	124.7	41.1
75°	155.0	172.9	191.7	176.7	126.2	88.8	27.5
80°	44.0	47.3	53.3	59.3	68.5	56.6	17.7
85°	7.1	9.0	12.2	11.7	15.2	15.0	3.0
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 Lunis mini round	Order number: 51DK11CD2WN21 EAN: 4058352132340	LP number 57410_7
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°	164.9	164.9	164.9	164.9	164.9	164.9	1.0	1.0
5°	140.6	115.3	105.2	94.4	92.7	91.9	7.5	8.5
10°	114.6	86.7	66.6	47.9	41.9	40.2	16.6	25.2
15°	97.4	58.2	32.9	14.1	9.5	8.7	25.8	50.9
20°	82.0	33.4	9.5	0.8	0.0	0.5	44.2	95.1
25°	64.3	13.1	0.5	0.0	0.0	0.0	71.5	166.6
30°	45.7	3.8	0.0	0.0	0.0	0.0	92.8	259.4
35°	29.1	0.3	0.0	0.0	0.0	0.0	102.8	362.2
40°	15.6	0.3	0.0	0.0	0.0	0.0	103.6	465.8
45°	7.3	0.0	0.0	0.0	0.0	0.0	97.8	563.6
50°	2.6	0.0	0.0	0.0	0.0	0.0	88.5	652.0
55°	1.3	0.0	0.0	0.0	0.0	0.0	81.0	733.0
60°	1.1	0.0	0.0	0.0	0.0	0.0	76.6	809.6
65°	0.9	0.0	0.0	0.0	0.0	0.0	72.2	881.8
70°	0.8	0.0	0.0	0.0	0.0	0.0	62.3	944.1
75°	0.7	0.0	0.0	0.0	0.0	0.0	38.0	982.1
80°	0.6	0.0	0.0	0.0	0.0	0.0	14.6	996.8
85°	0.5	0.0	0.0	0.0	0.0	0.0	3.2	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

Family Lunis mini round	Order number: 51DK11CD2WN21 EAN: 4058352132340	LP number 57410_7
-----------------------------------	---	-----------------------------

siteco

UGR-Table		Standard room									
Room dimensions		View crosswise (C0)					View endwise (C90)				
x	y										
2H	2H	37.3	39.1	37.7	39.4	39.7	31.1	32.9	31.5	33.2	33.5
	3H	39.9	41.5	40.3	41.8	42.2	32.0	33.6	32.4	34.0	34.3
	4H	40.5	41.9	40.9	42.3	42.6	32.3	33.8	32.7	34.2	34.6
	6H	40.6	41.9	41.0	42.3	42.7	32.5	33.9	32.9	34.3	34.7
	8H	40.6	41.8	41.0	42.2	42.6	32.5	33.9	32.9	34.3	34.7
	12H	40.6	41.8	41.1	42.2	42.6	32.5	33.8	32.9	34.2	34.6
4H	2H	37.9	39.4	38.2	39.7	40.1	32.6	34.1	33.0	34.4	34.8
	3H	40.7	42.0	41.2	42.4	42.8	33.8	35.1	34.3	35.5	35.9
	4H	41.4	42.5	41.8	42.9	43.4	34.3	35.4	34.7	35.8	36.3
	6H	41.6	42.5	42.0	43.0	43.4	34.7	35.6	35.1	36.1	36.5
	8H	41.6	42.5	42.0	42.9	43.4	34.7	35.6	35.2	36.1	36.6
	12H	41.6	42.4	42.1	42.8	43.3	34.7	35.6	35.2	36.0	36.5
8H	4H	41.5	42.5	42.0	42.9	43.4	35.3	36.2	35.8	36.6	37.1
	6H	41.8	42.5	42.2	43.0	43.5	35.7	36.5	36.2	37.0	37.5
	8H	41.8	42.4	42.3	42.9	43.4	35.9	36.5	36.4	37.0	37.5
	12H	41.8	42.3	42.3	42.8	43.4	35.9	36.5	36.4	37.0	37.5
12H	4H	41.6	42.4	42.0	42.9	43.3	35.4	36.1	35.9	36.6	37.1
	6H	41.8	42.4	42.3	42.9	43.4	35.8	36.5	36.3	36.9	37.5
	8H	41.8	42.4	42.3	42.9	43.4	36.0	36.5	36.5	37.0	37.6

Luminance table		Max. for $\gamma \geq 65^\circ$											Photometric dimensions in mm:		L = 68 B = 54		
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°	477314.7	481531.8	508614.6	505729.1	457109.9	198231.9	76369.9	5949.7	0.0	0.0	0.0	0.0	0.0				
50°	453272.5	450098.4	456936.2	415419.4	418836.1	226344.4	74438.9	2368.5	0.0	0.0	0.0	0.0	0.0				
55°	468005.5	455692.2	429963.4	355797.6	366745.0	258749.6	75757.1	1286.4	0.0	0.0	0.0	0.0	0.0				
60°	526204.6	504230.9	443316.7	346615.4	319301.3	280619.4	77360.4	1256.3	0.0	0.0	0.0	0.0	0.0				
65°	606211.6	582806.1	515947.4	373676.9	283050.7	251105.6	72767.1	1262.3	0.0	0.0	0.0	0.0	0.0				
70°	589330.2	604944.6	581533.2	420884.6	265744.0	210580.7	69307.4	1377.4	0.0	0.0	0.0	0.0	0.0				
75°	345712.8	385762.4	427607.7	394245.6	281424.6	197972.7	61321.3	1456.6	0.0	0.0	0.0	0.0	0.0				
80°	146453.2	157302.0	177187.5	197076.4	227813.9	188308.9	58762.2	1898.4	0.0	0.0	0.0	0.0	0.0				
85°	46833.5	59439.5	81054.4	77450.8	100860.9	99423.5	19634.3	3239.3	0.0	0.0	0.0	0.0	0.0				

Photometric test report

Family Lunis mini round	Order number: 51DK11CD2WN21 EAN: 4058352132340	LP number 57410_7
-----------------------------------	---	-----------------------------

Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**

