

Photometric test report

Family
Lunis mini round

Order number: 51DK11CD2WF21
EAN: 4058352105511

LP number
57410_4



Version wallwasher, aluminium reflector, direct, asymmetric distribution

Lamps 1 x LED 3000K / CRI ≥ 80
(unbekannt LED 3000K / CRI = 80)

Controlgear ECG-DALI

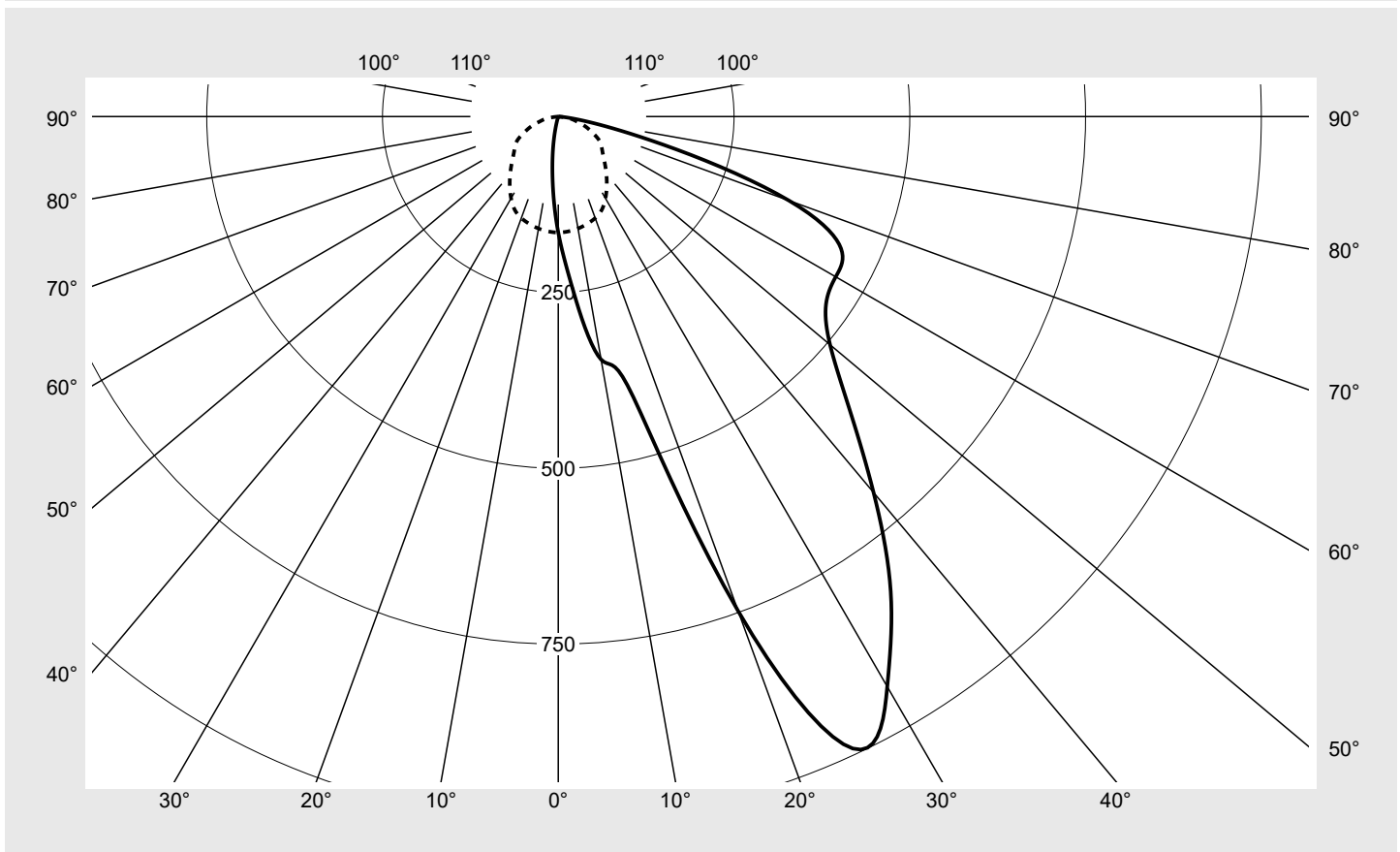
Rated values Net luminous flux = 2380 lm
Power consumption = 27.8 W
Luminous efficacy = 85.6 lm/W

serial
documentation
16.02.2017

siteco

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

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Family Lunis mini round	Order number: 51DK11CD2WF21 EAN: 4058352105511	LP number 57410_4
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°	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

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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

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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	37.7	39.5	38.1	39.8	40.1	31.5	33.3	31.9	33.6	33.9
	3H	40.3	41.9	40.7	42.2	42.6	32.4	34.0	32.8	34.4	34.7
	4H	40.9	42.3	41.3	42.7	43.0	32.7	34.2	33.1	34.6	35.0
	6H	41.0	42.3	41.4	42.7	43.1	32.9	34.3	33.3	34.7	35.1
	8H	41.0	42.2	41.4	42.6	43.0	32.9	34.3	33.3	34.7	35.1
	12H	41.0	42.2	41.5	42.6	43.0	32.9	34.2	33.3	34.6	35.0
4H	2H	38.3	39.8	38.6	40.1	40.5	33.0	34.5	33.4	34.8	35.2
	3H	41.1	42.4	41.6	42.8	43.2	34.2	35.5	34.7	35.9	36.3
	4H	41.8	42.9	42.2	43.3	43.8	34.7	35.8	35.2	36.2	36.7
	6H	42.0	42.9	42.4	43.4	43.8	35.1	36.0	35.5	36.5	36.9
	8H	42.0	42.9	42.4	43.3	43.8	35.1	36.0	35.6	36.5	37.0
	12H	42.0	42.8	42.5	43.2	43.7	35.1	36.0	35.6	36.4	36.9
8H	4H	41.9	42.9	42.4	43.3	43.8	35.7	36.6	36.2	37.0	37.5
	6H	42.2	42.9	42.6	43.4	43.9	36.2	36.9	36.6	37.4	37.9
	8H	42.2	42.8	42.7	43.3	43.8	36.3	36.9	36.8	37.4	37.9
	12H	42.2	42.7	42.7	43.2	43.8	36.3	36.9	36.8	37.4	37.9
12H	4H	42.0	42.8	42.4	43.3	43.7	35.8	36.5	36.3	37.0	37.5
	6H	42.2	42.8	42.7	43.3	43.8	36.3	36.9	36.8	37.3	37.9
	8H	42.2	42.8	42.7	43.3	43.8	36.4	36.9	36.9	37.4	38.0

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°	535853.2	540587.6	570991.9	567752.5	513170.6	222543.4	85736.0	6679.4	0.0	0.0	0.0	0.0	0.0
50°	508862.6	505299.1	512975.6	466367.1	470202.8	254103.6	83568.2	2659.0	0.0	0.0	0.0	0.0	0.0
55°	525402.4	511578.9	482694.7	399433.2	411723.2	290483.1	85048.1	1444.2	0.0	0.0	0.0	0.0	0.0
60°	590739.1	566070.6	497685.7	389124.8	358460.9	315035.0	86848.0	1410.4	0.0	0.0	0.0	0.0	0.0
65°	680558.4	654282.3	579224.0	419505.2	317764.4	281901.6	81691.4	1417.1	0.0	0.0	0.0	0.0	0.0
70°	661606.6	679135.9	652853.3	472502.5	298335.3	236406.6	77807.3	1546.4	0.0	0.0	0.0	0.0	0.0
75°	388111.5	433072.8	480050.1	442596.5	315939.0	222252.4	68841.9	1635.3	0.0	0.0	0.0	0.0	0.0
80°	164414.5	176593.8	198918.1	221246.1	255753.4	211403.4	65968.8	2131.3	0.0	0.0	0.0	0.0	0.0
85°	52577.2	66729.2	90995.0	86949.5	113230.7	111616.9	22042.3	3636.5	0.0	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°

