

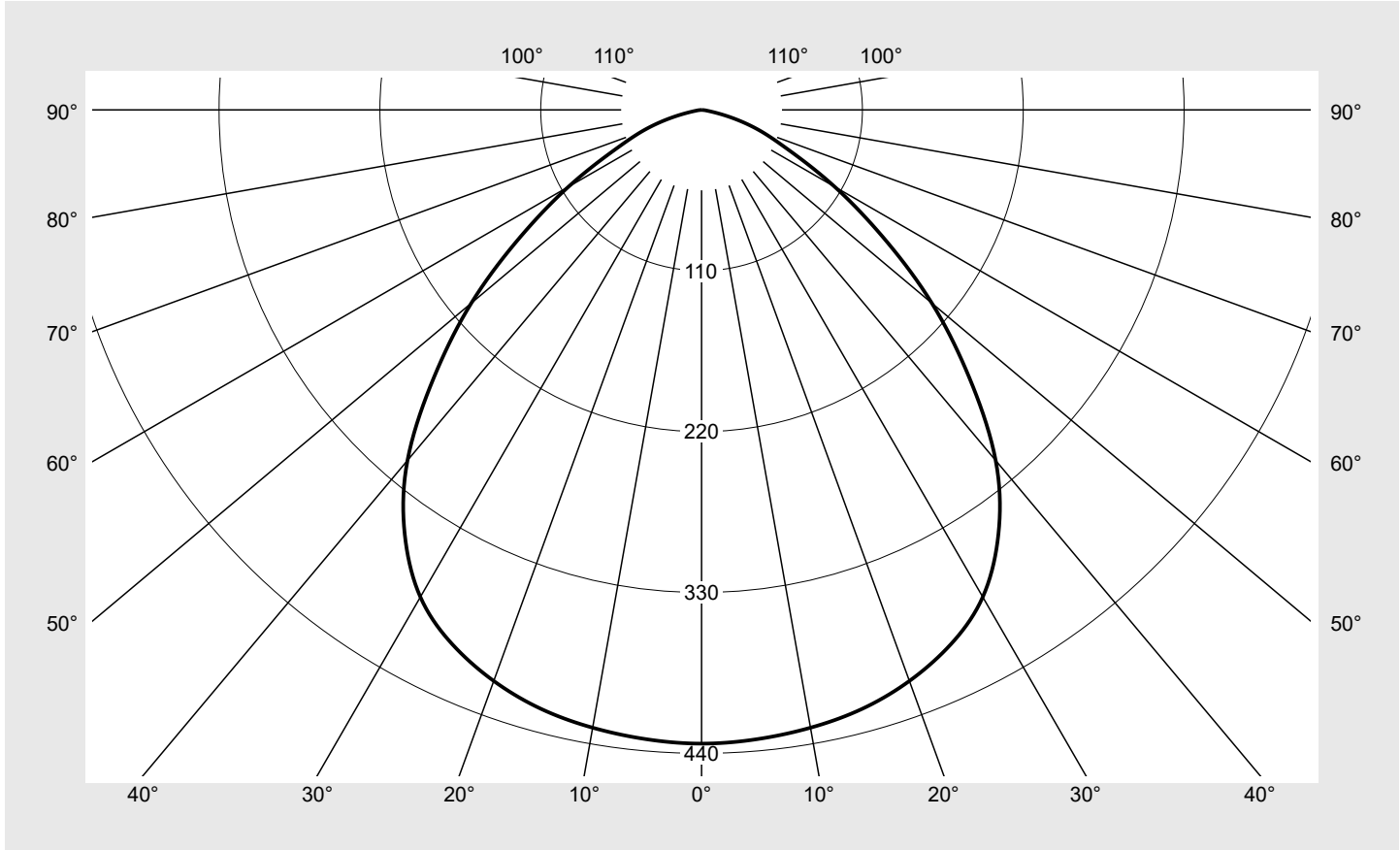


Photometric test report

Family Lunis R LED	Order number: 5LR610D4OB11AF EAN: 4058352125915	LP number 57880_8
	Version Downlight for recessed ceiling Lamps 1 x LED 4000K / CRI ≥ 80 (unbekannt LED 4000K / CRI = 80) Controlgear ECG-DALI Setting individual position: Low Lumen Output Rated values Net luminous flux = 3470 lm Power consumption = 26.0 W Luminous efficacy = 133.5 lm/W	serial documentation 09.03.2018
		

Luminous intensity in cd/klm C180-0 **Imax: 433 cd/klm**



Classifications	
DIN 5040	A 5 0
CIE	N1=60 N2=90 N3=99 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
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C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0°	433.3	2.6	2.6
5°	432.0	20.6	23.2
10°	429.0	40.8	64.1
15°	424.1	60.2	124.2
20°	415.6	77.9	202.1
25°	403.3	93.4	295.5
30°	384.6	105.4	401.0
35°	354.0	111.3	512.3
40°	312.9	110.3	622.5
45°	259.0	100.4	722.9
50°	205.6	86.3	809.2
55°	151.1	67.9	877.1
60°	105.1	49.9	927.0
65°	67.3	33.5	960.4
70°	44.1	22.7	983.1
75°	23.3	12.3	995.5
80°	6.6	3.5	999.0
85°	1.9	1.0	1000.0
90°	0.0	0.0	1000.0
95°	0.0	0.0	1000.0
100°	0.0	0.0	1000.0
105°	0.0	0.0	1000.0
110°	0.0	0.0	1000.0
115°	0.0	0.0	1000.0
120°	0.0	0.0	1000.0
125°	0.0	0.0	1000.0
130°	0.0	0.0	1000.0
135°	0.0	0.0	1000.0
140°	0.0	0.0	1000.0
145°	0.0	0.0	1000.0
150°	0.0	0.0	1000.0
155°	0.0	0.0	1000.0
160°	0.0	0.0	1000.0
165°	0.0	0.0	1000.0
170°	0.0	0.0	1000.0
175°	0.0	0.0	1000.0
180°	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	20.8	22.4	21.2	22.7	23.0	20.8	22.4	21.2	22.7	23.0
	3H	21.4	22.7	21.7	23.1	23.4	21.4	22.7	21.7	23.1	23.4
	4H	21.5	22.8	21.9	23.1	23.5	21.5	22.8	21.9	23.1	23.5
	6H	21.5	22.7	21.9	23.1	23.5	21.5	22.7	21.9	23.1	23.5
	8H	21.5	22.6	22.0	23.0	23.4	21.5	22.6	22.0	23.0	23.4
	12H	21.5	22.5	22.0	22.9	23.3	21.5	22.5	22.0	22.9	23.3
4H	2H	21.1	22.4	21.5	22.8	23.1	21.1	22.4	21.5	22.8	23.1
	3H	21.8	22.9	22.2	23.3	23.7	21.8	22.9	22.2	23.3	23.7
	4H	22.0	23.0	22.5	23.4	23.8	22.0	23.0	22.5	23.4	23.8
	6H	22.0	22.9	22.5	23.3	23.8	22.0	22.9	22.5	23.3	23.8
	8H	22.0	22.8	22.5	23.2	23.7	22.0	22.8	22.5	23.2	23.7
	12H	22.0	22.7	22.5	23.1	23.6	22.0	22.7	22.5	23.1	23.6
8H	4H	22.1	22.8	22.5	23.2	23.7	22.1	22.8	22.5	23.2	23.7
	6H	22.1	22.7	22.6	23.2	23.7	22.1	22.7	22.6	23.2	23.7
	8H	22.1	22.6	22.6	23.1	23.6	22.1	22.6	22.6	23.1	23.6
	12H	22.1	22.5	22.6	23.0	23.5	22.1	22.5	22.6	23.0	23.5
12H	4H	22.1	22.7	22.5	23.2	23.7	22.1	22.7	22.5	23.2	23.7
	6H	22.1	22.6	22.6	23.1	23.6	22.1	22.6	22.6	23.1	23.6
	8H	22.1	22.5	22.6	23.0	23.5	22.1	22.5	22.6	23.0	23.5

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 308
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C-planes	0°
γ	Luminance in cd/m²
45°	17057.8
50°	14896.7
55°	12270.5
60°	9792.2
65°	7421.7
70°	6001.9
75°	4187.3
80°	1762.1
85°	1023.9

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Luminance values in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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