

Photometric test report

Family
Lunis R LED

Order number: 5LR610D4OB11AF
EAN: 4058352125915

LP number
57882_8



Version	Downlight for recessed ceiling
Lamps	1 x LED 4000K / CRI ≥ 80 (unbekannt LED 4000K / CRI = 80)
Controlgear	ECG-DALI
Setting	factory setting: High Lumen Output
Rated values	Net luminous flux = 4860 lm Power consumption = 37.0 W Luminous efficacy = 131.4 lm/W

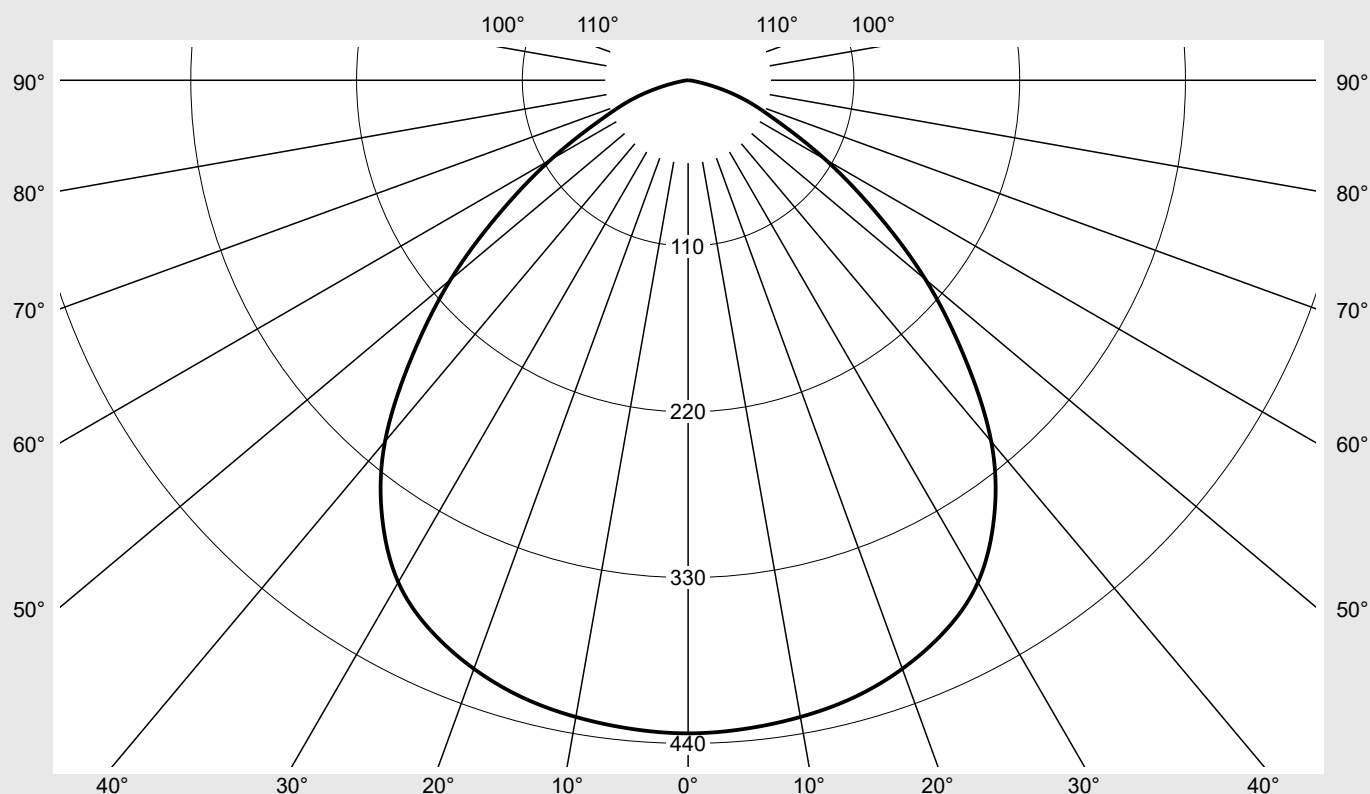
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documentation
09.03.2018

sitEco

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									
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	22.0	23.5	22.3	23.8	24.2	22.0	23.5	22.3	23.8	24.2
	3H	22.5	23.9	22.9	24.2	24.6	22.5	23.9	22.9	24.2	24.6
	4H	22.7	24.0	23.1	24.3	24.7	22.7	24.0	23.1	24.3	24.7
	6H	22.7	23.9	23.1	24.2	24.6	22.7	23.9	23.1	24.2	24.6
	8H	22.7	23.8	23.1	24.2	24.6	22.7	23.8	23.1	24.2	24.6
	12H	22.7	23.7	23.1	24.1	24.5	22.7	23.7	23.1	24.1	24.5
4H	2H	22.3	23.6	22.7	23.9	24.3	22.3	23.6	22.7	23.9	24.3
	3H	23.0	24.1	23.4	24.4	24.9	23.0	24.1	23.4	24.4	24.9
	4H	23.2	24.1	23.6	24.5	25.0	23.2	24.1	23.6	24.5	25.0
	6H	23.2	24.0	23.7	24.5	24.9	23.2	24.0	23.7	24.5	24.9
	8H	23.2	23.9	23.7	24.4	24.9	23.2	23.9	23.7	24.4	24.9
	12H	23.2	23.8	23.7	24.3	24.8	23.2	23.8	23.7	24.3	24.8
8H	4H	23.2	24.0	23.7	24.4	24.9	23.2	24.0	23.7	24.4	24.9
	6H	23.3	23.9	23.8	24.3	24.8	23.3	23.9	23.8	24.3	24.8
	8H	23.2	23.8	23.7	24.3	24.8	23.2	23.8	23.7	24.3	24.8
	12H	23.2	23.7	23.7	24.2	24.7	23.2	23.7	23.7	24.2	24.7
12H	4H	23.2	23.9	23.7	24.3	24.8	23.2	23.9	23.7	24.3	24.8
	6H	23.3	23.8	23.8	24.3	24.8	23.3	23.8	23.8	24.3	24.8
	8H	23.2	23.7	23.7	24.2	24.7	23.2	23.7	23.7	24.2	24.7

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/m^2
45°	23890.7
50°	20863.9
55°	17185.8
60°	13714.7
65°	10394.6
70°	8406.1
75°	5864.7
80°	2468.0
85°	1434.0

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

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