

Photometric test report

Family
Lunis 41



Order number: 51DR10DFGCB
EAN: 4069025152039

Version

Lamps

Controlgear

Setting

Rated values

recessed luminaire, diffuse cover, extremely wide distribution, adjustable color temperature: 3000 K | 4000 K

LED 4000 K | CRI ≥ 80

ECG Multilumen

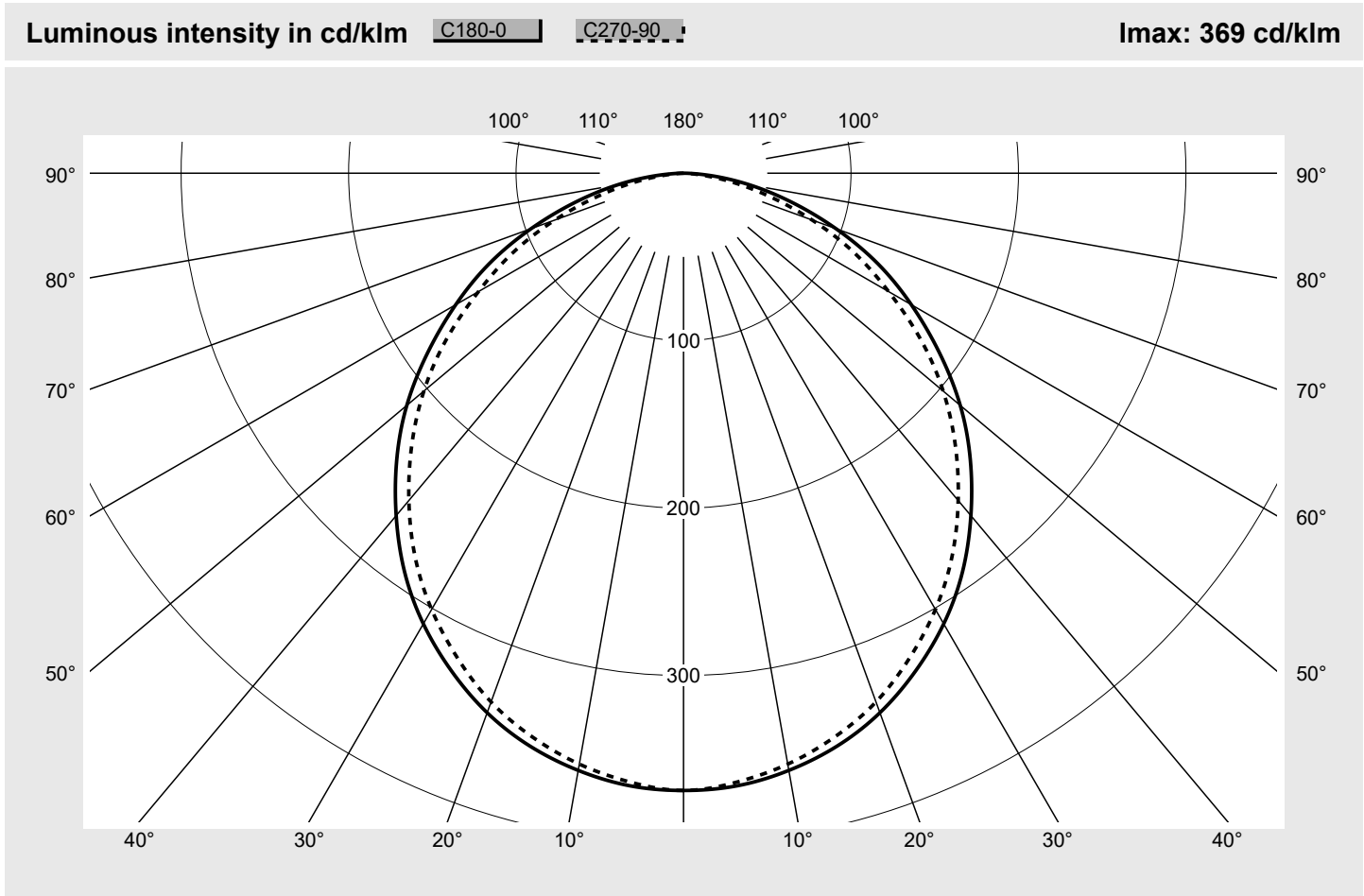
factory setting: DIP-Step=0, colour temperature 4000K

Net luminous flux = 3100 lm
Power consumption = 23.0 W
Luminous efficacy = 134.8 lm/W

LP number
59234_20

serial
documentation
16.01.2025

siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 4 0	η_{LB}	100.0%
CIE	N1=49 N2=80 N3=96	ϕ_u	100.0%
	N4=100 N5=100	ϕ_o	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Lunis 41	Order number: 51DR10DFGCB EAN: 4069025152039	LP number 59234_20
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C- planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	368.6	368.6	368.6	368.6	368.6	368.6	368.6	2.2	2.2
5°	367.2	366.8	366.3	365.8	365.5	365.3	365.0	17.5	19.7
10°	362.1	361.4	360.8	360.1	359.5	358.9	358.3	34.3	54.0
15°	354.2	353.1	351.9	350.8	350.1	349.3	348.6	49.8	103.8
20°	342.9	341.5	340.1	338.8	337.8	336.9	336.0	63.6	167.3
25°	327.9	326.3	324.6	323.0	321.8	320.6	319.4	74.9	242.3
30°	310.7	308.8	306.8	304.8	303.5	302.2	300.8	83.7	325.9
35°	290.5	288.3	286.2	284.0	282.5	281.0	279.5	89.4	415.4
40°	267.0	264.6	262.3	260.0	258.4	256.8	255.2	91.8	507.2
45°	242.2	239.7	237.3	234.8	233.0	231.3	229.5	91.2	598.4
50°	215.7	213.2	210.6	208.1	206.2	204.3	202.4	87.6	686.0
55°	186.3	184.1	181.9	179.7	177.4	175.1	172.8	80.7	766.6
60°	157.1	154.5	151.9	149.2	146.6	144.0	141.4	70.8	837.5
65°	128.1	125.1	122.0	118.9	116.8	114.6	112.5	59.4	896.9
70°	96.9	93.9	90.9	87.9	85.9	83.8	81.7	45.6	942.5
75°	66.8	64.2	61.7	59.2	57.0	54.7	52.5	31.5	974.0
80°	40.0	39.6	39.2	38.8	35.1	31.4	27.8	19.6	993.6
85°	16.1	14.5	12.9	11.3	10.3	9.3	8.3	6.4	1000.0
90°	0.0	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	0.0	1000.0
100°	0.0	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	0.0	1000.0
110°	0.0	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	0.0	1000.0
120°	0.0	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	0.0	1000.0
130°	0.0	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	0.0	1000.0
140°	0.0	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	0.0	1000.0
150°	0.0	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	0.0	1000.0
160°	0.0	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	0.0	1000.0
170°	0.0	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	0.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

Photometric test report

Family Lunis 41			Order number: 51DR10DFGCB EAN: 4069025152039							LP number 59234_20	
UGR-Table			Standard room							sitemco	
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	25.4	27.1	25.8	27.4	27.7	25.1	26.8	25.4	27.1	27.4
	3H	27.0	28.5	27.4	28.9	29.2	26.5	28.0	26.9	28.3	28.7
	4H	27.7	29.1	28.0	29.4	29.8	27.0	28.4	27.4	28.8	29.1
	6H	28.1	29.4	28.5	29.8	30.2	27.3	28.6	27.7	29.0	29.4
	8H	28.3	29.5	28.7	29.9	30.3	27.4	28.6	27.8	29.0	29.4
	12H	28.4	29.6	28.9	30.0	30.4	27.4	28.6	27.9	29.0	29.4
4H	2H	26.1	27.5	26.5	27.9	28.3	25.9	27.3	26.2	27.6	28.0
	3H	27.9	29.1	28.3	29.5	29.9	27.4	28.6	27.8	29.0	29.4
	4H	28.6	29.7	29.0	30.1	30.5	28.0	29.1	28.5	29.5	29.9
	6H	29.2	30.1	29.7	30.6	31.0	28.5	29.4	28.9	29.8	30.3
	8H	29.4	30.3	29.9	30.7	31.2	28.6	29.4	29.0	29.9	30.4
	12H	29.6	30.3	30.1	30.8	31.3	28.6	29.4	29.1	29.9	30.4
8H	4H	28.9	29.8	29.4	30.2	30.7	28.4	29.2	28.8	29.7	30.1
	6H	29.6	30.3	30.1	30.8	31.3	28.9	29.6	29.4	30.1	30.6
	8H	29.9	30.5	30.4	31.0	31.5	29.1	29.7	29.6	30.2	30.7
	12H	30.1	30.6	30.6	31.1	31.6	29.2	29.7	29.7	30.2	30.8
12H	4H	28.9	29.7	29.4	30.2	30.6	28.4	29.2	28.9	29.7	30.1
	6H	29.7	30.3	30.2	30.8	31.3	29.0	29.7	29.5	30.1	30.7
	8H	30.0	30.5	30.5	31.0	31.5	29.2	29.8	29.7	30.3	30.8

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		D = 173	
C-planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
γ	Luminance in cd/m²						
45°	45173.6	44714.4	44255.4	43796.1	43464.7	43133.4	42802.0
50°	44257.2	43736.5	43216.0	42695.3	42304.4	41914.0	41523.4
55°	42839.8	42332.4	41824.5	41316.8	40785.9	40254.8	39723.9
60°	41432.0	40742.3	40053.1	39363.3	38673.9	37984.1	37294.7
65°	39989.2	39023.1	38056.7	37090.6	36433.1	35775.6	35118.1
70°	37346.1	36200.9	35055.7	33910.9	33108.1	32305.7	31503.2
75°	34026.0	32732.2	31439.5	30146.3	29020.7	27896.1	26770.5
80°	30359.7	30051.4	29742.3	29433.9	26658.1	23883.0	21107.1
85°	24310.4	21928.7	19548.5	17166.8	15630.9	14095.0	12557.7

Photometric test report

Family
Lunis 41

Order number: 51DR10DFGCB
EAN: 4069025152039

LP number
59234_20

Luminance values in cd/m²

γ 65°

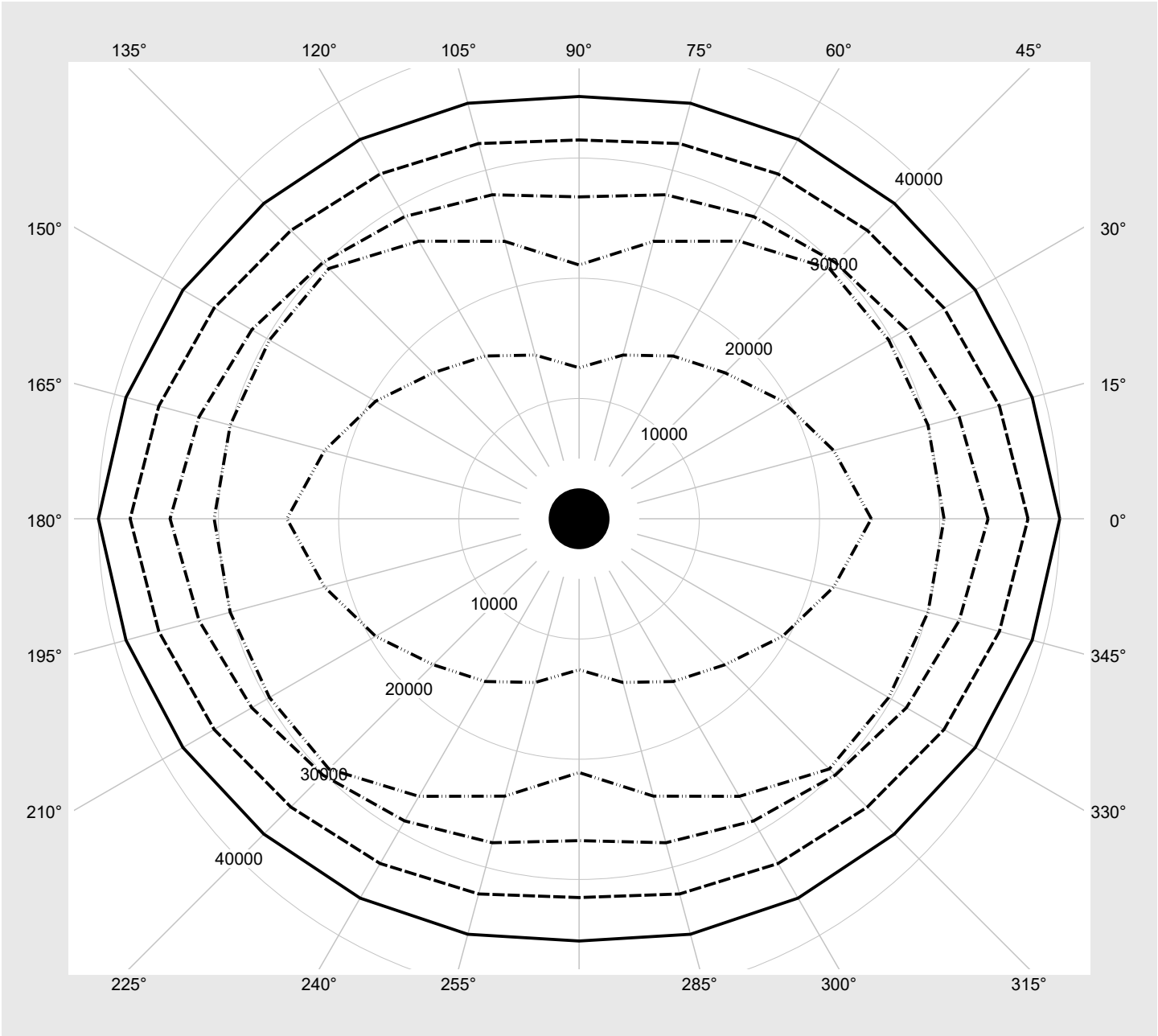
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Lunis 41	Order number: 51DR10DFGCB EAN: 4069025152039	LP number 59234_20
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
7	ON	ON	ON	1550	11.5
6	OFF	ON	ON	1750	13.5
5	ON	OFF	ON	2000	14.5
4	OFF	OFF	ON	2200	16.5
3	ON	ON	OFF	2450	18.5
2	OFF	ON	OFF	2650	20.0
1	ON	OFF	OFF	2700	21.5
0	OFF	OFF	OFF	3100	23.0