
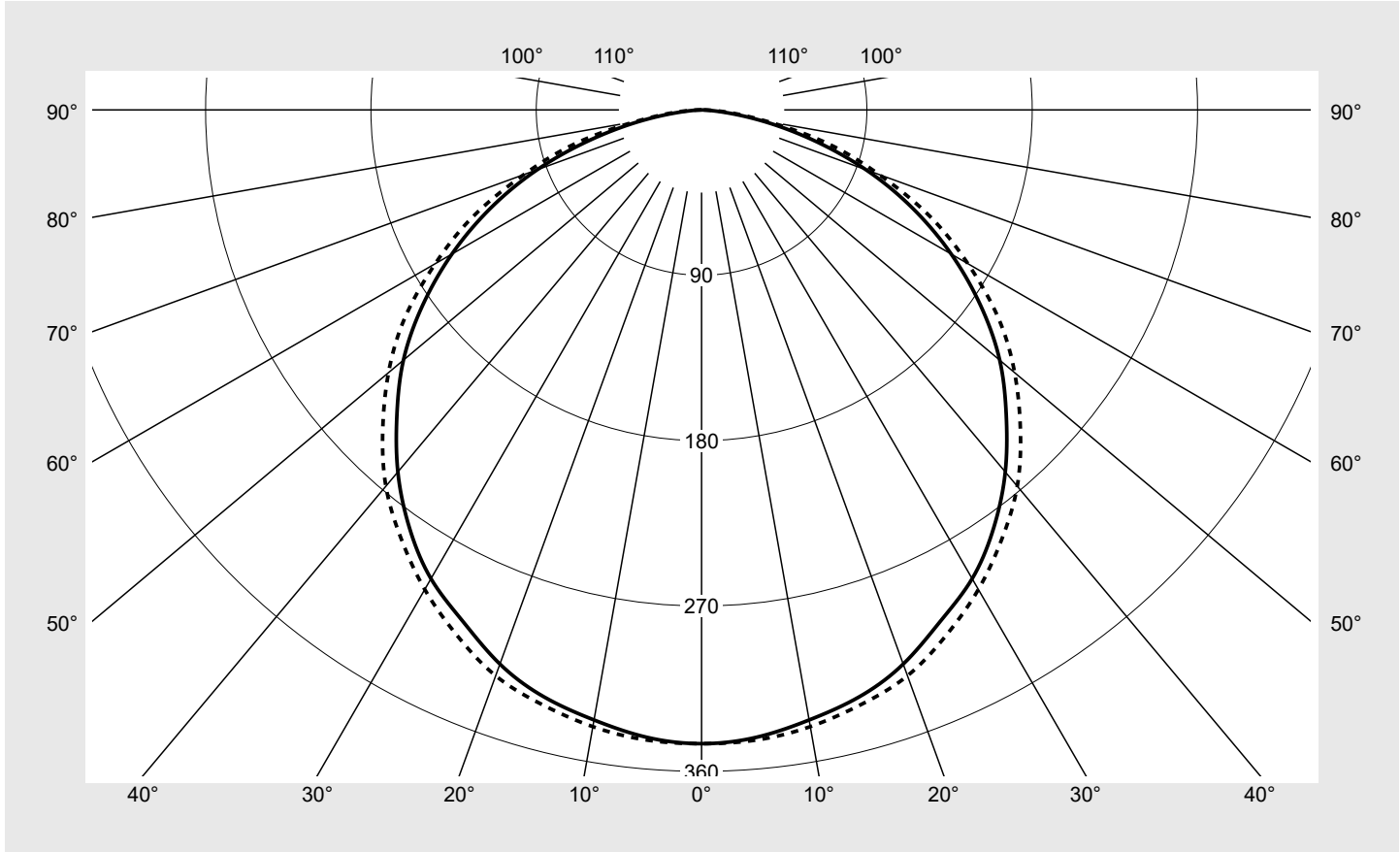


Photometric test report

Family Lunis 41	Order number: 51DS107D43A EAN: 4058352509975	LP number 59235_1
	Version	diffuse cover, extremely wide distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG
	Rated values	Net luminous flux = 1460 lm Power consumption = 14.0 W Luminous efficacy = 104.3 lm/W
		serial documentation 07.12.2021
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 345 cd/klm**



Classifications	
DIN 5040	A 4 0
CIE	N1=47 N2=80 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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Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes γ	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Luminous intensity in cd/klm							Luminous flux in lm/klm		
0°	344.9	344.9	344.9	344.9	344.9	344.9	344.9	2.1	2.1
5°	342.8	344.0	345.3	344.5	343.8	344.0	344.2	16.4	18.5
10°	337.2	338.5	339.8	339.8	339.8	340.3	340.9	32.3	50.8
15°	330.8	332.2	333.6	333.6	333.6	334.4	335.1	47.3	98.1
20°	321.0	321.7	322.4	323.2	323.9	325.8	327.7	60.7	158.8
25°	307.3	309.8	312.3	312.4	312.4	313.9	315.4	72.3	231.1
30°	294.6	295.5	296.4	297.3	298.2	299.8	301.4	81.5	312.6
35°	277.4	279.1	280.8	280.3	279.9	282.5	285.1	88.2	400.8
40°	257.2	258.8	260.3	260.8	261.2	264.3	267.4	92.1	492.9
45°	234.5	236.6	238.7	238.9	239.1	242.3	245.4	92.7	585.6
50°	211.9	213.7	215.6	215.6	215.7	219.1	222.5	90.8	676.4
55°	185.4	186.8	188.2	189.0	189.8	193.5	197.1	85.2	761.6
60°	157.0	158.4	159.8	160.4	161.1	164.2	167.4	76.4	838.0
65°	126.9	126.3	125.7	127.9	130.2	133.7	137.2	64.2	902.3
70°	95.3	92.3	89.4	92.2	95.1	99.0	102.9	48.7	950.9
75°	62.0	58.6	55.2	53.5	51.8	61.7	71.6	30.7	981.6
80°	32.0	28.3	24.7	22.4	20.0	28.2	36.4	14.2	995.8
85°	8.7	7.4	6.2	5.4	4.6	9.1	13.5	4.0	999.8
90°	0.3	0.4	0.4	0.3	0.1	0.4	0.7	0.2	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

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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	24.6	26.3	24.9	26.6	26.9	24.8	26.5	25.1	26.8	27.1
	3H	26.1	27.6	26.5	28.0	28.3	26.4	27.9	26.8	28.3	28.6
	4H	26.6	28.1	27.0	28.4	28.8	27.0	28.5	27.4	28.8	29.2
	6H	27.0	28.3	27.4	28.7	29.1	27.4	28.7	27.8	29.1	29.5
	8H	27.1	28.3	27.5	28.7	29.1	27.5	28.8	28.0	29.1	29.5
	12H	27.1	28.3	27.5	28.7	29.1	27.6	28.8	28.0	29.1	29.6
4H	2H	25.4	26.8	25.7	27.1	27.5	25.5	26.9	25.9	27.3	27.7
	3H	27.0	28.2	27.4	28.6	29.0	27.3	28.5	27.7	28.9	29.3
	4H	27.6	28.7	28.0	29.1	29.5	27.9	29.0	28.4	29.4	29.8
	6H	28.0	28.9	28.5	29.4	29.8	28.3	29.3	28.8	29.7	30.2
	8H	28.1	29.0	28.6	29.4	29.9	28.5	29.3	28.9	29.8	30.2
	12H	28.2	28.9	28.6	29.4	29.9	28.5	29.3	29.0	29.8	30.3
8H	4H	27.8	28.7	28.3	29.1	29.6	28.1	29.0	28.6	29.4	29.9
	6H	28.3	29.0	28.8	29.4	30.0	28.5	29.2	29.0	29.7	30.2
	8H	28.4	29.0	28.9	29.5	30.0	28.7	29.3	29.2	29.8	30.3
	12H	28.5	29.0	29.0	29.5	30.0	28.8	29.3	29.3	29.8	30.3
12H	4H	27.9	28.6	28.3	29.1	29.6	28.1	28.9	28.6	29.3	29.8
	6H	28.3	28.9	28.8	29.4	29.9	28.6	29.2	29.1	29.6	30.2
	8H	28.4	29.0	28.9	29.4	30.0	28.7	29.2	29.2	29.7	30.2

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 136
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C-planes	γ	0° 180°	15°	30°	45°	60°	75°	90°	
			165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°	270°	
		Luminance in cd/m ²							
45°		33337.3	33630.4	33923.3	33954.7	33986.1	34436.0	34886.0	
50°		33128.0	33415.5	33703.4	33715.0	33726.4	34255.8	34785.4	
55°		32481.3	32726.4	32971.6	33113.5	33255.4	33900.4	34545.3	
60°		31549.1	31830.2	32111.6	32244.6	32377.9	33014.1	33650.3	
65°		30182.8	30042.8	29902.7	30427.8	30953.1	31793.6	32633.7	
70°		27993.2	27127.8	26262.4	27106.1	27949.7	29096.7	30243.3	
75°		24070.7	22755.5	21440.3	20782.8	20125.4	23956.2	27787.0	
80°		18492.1	16404.4	14316.7	12953.1	11589.5	16319.3	21049.1	
85°		10017.5	8573.7	7131.1	6197.1	5263.0	10441.9	15619.5	

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Luminance values in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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