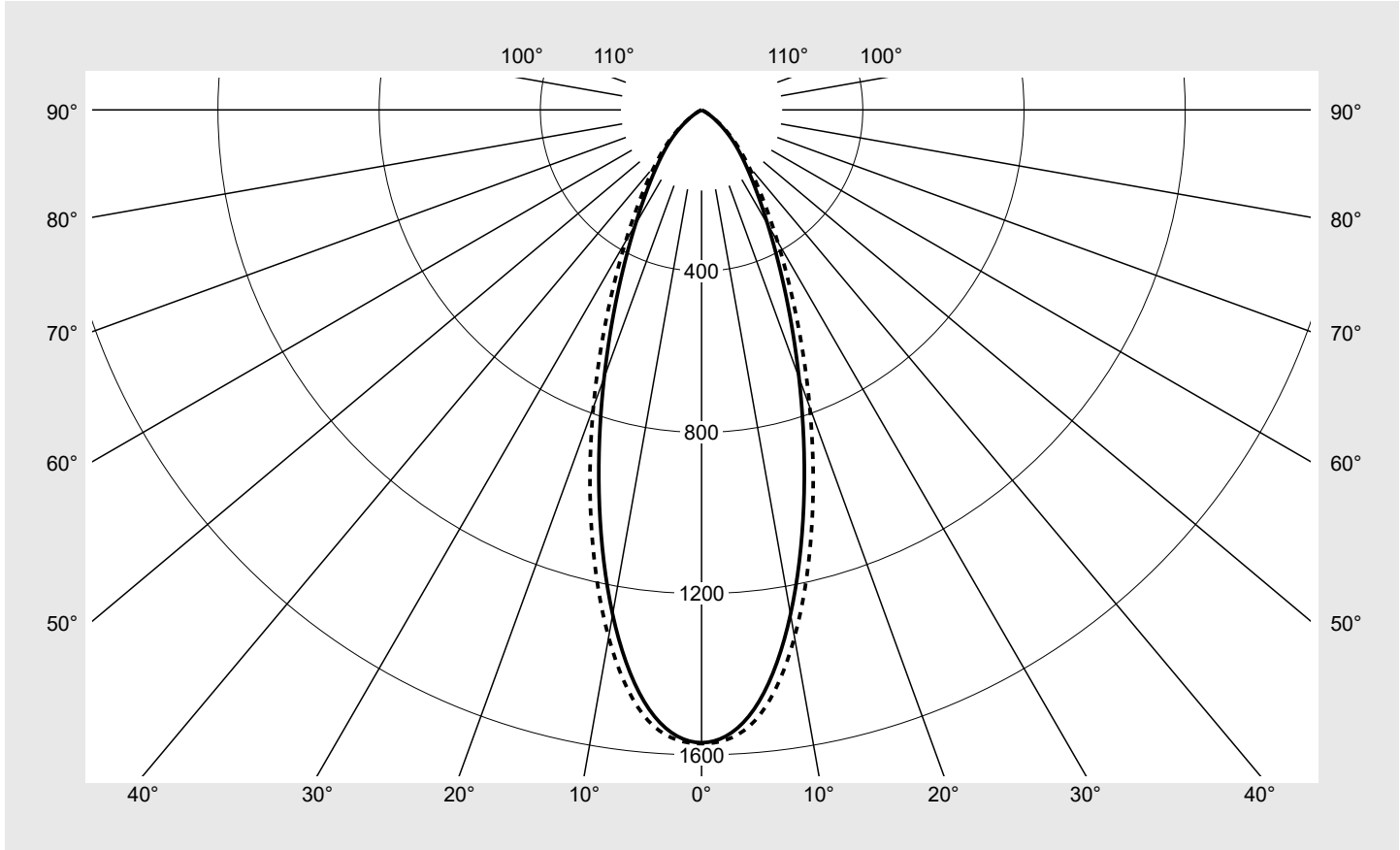


Photometric test report

Family Lunis micro square	Order number: 51DE11CD4FF22 + 59DL10000200E00DB EAN: 4058352108130 + 4058352127438	LP number 57963_8
Version	prismatic diffuser, darklight reflector, highly specular, narrow distribution, cover panel, IP54, transparent	serial documentation 15.02.2018
Lamps	LED 3000K / CRI ≥ 80	
Controlgear	ECG-DALI	
Rated values	Net luminous flux = 2830 lm Power consumption = 35.0 W Luminous efficacy = 80.9 lm/W	



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 1574 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=87 N2=99 N3=100 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

Photometric test report

Family Lunis micro square	Order number: 51DE11CD4FF22 + 59DL10000200E00DB EAN: 4058352108130 + 4058352127438	LP number 57963_8
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°	1569.9	1570.6	1569.5	1573.7	1571.0	1574.4	1572.2	9.4	9.4
5°	1492.8	1489.5	1511.4	1511.4	1530.0	1523.2	1520.9	72.2	81.6
10°	1270.8	1270.4	1309.9	1313.0	1344.4	1333.5	1328.1	124.9	206.5
15°	983.1	986.9	1038.5	1047.2	1082.1	1065.4	1059.0	147.6	354.1
20°	706.8	718.1	775.8	788.4	817.6	795.9	784.9	145.0	499.1
25°	484.7	496.8	558.7	576.2	594.8	561.4	549.2	127.6	626.7
30°	328.7	341.2	394.4	414.5	421.3	388.7	376.5	105.6	732.3
35°	227.4	237.6	276.7	292.6	296.8	269.1	259.6	84.7	817.0
40°	160.6	168.5	194.7	206.5	208.4	189.0	181.0	66.8	883.9
45°	112.0	118.0	136.3	142.0	144.2	131.3	124.9	51.0	934.9
50°	69.8	74.4	88.4	88.4	93.4	83.1	77.1	35.1	970.0
55°	37.2	40.2	47.1	46.7	50.5	44.8	40.2	20.1	990.0
60°	14.8	15.2	18.2	17.5	19.7	17.8	15.9	8.2	998.2
65°	2.3	2.7	4.2	3.8	4.6	3.8	2.7	1.8	1000.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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 micro square	Order number: 51DE11CD4FF22 + 59DL10000200E00DB EAN: 4058352108130 + 4058352127438	LP number 57963_8
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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	22.5	23.7	22.9	24.1	24.4	23.1	24.3	23.5	24.6	25.0
	3H	22.4	23.4	22.8	23.8	24.1	23.0	24.0	23.4	24.4	24.7
	4H	22.3	23.3	22.7	23.6	24.0	22.9	23.9	23.3	24.2	24.6
	6H	22.3	23.1	22.7	23.5	23.9	22.8	23.7	23.3	24.1	24.5
	8H	22.3	23.0	22.7	23.4	23.8	22.9	23.6	23.3	24.0	24.4
	12H	22.3	22.9	22.7	23.3	23.8	22.9	23.5	23.3	23.9	24.3
4H	2H	22.4	23.4	22.8	23.7	24.1	23.0	23.9	23.4	24.3	24.7
	3H	22.3	23.0	22.7	23.4	23.9	22.8	23.6	23.2	24.0	24.4
	4H	22.2	22.9	22.6	23.3	23.7	22.7	23.4	23.2	23.8	24.3
	6H	22.1	22.7	22.5	23.1	23.6	22.6	23.2	23.1	23.7	24.1
	8H	22.0	22.6	22.5	23.0	23.5	22.6	23.1	23.1	23.6	24.0
	12H	22.0	22.4	22.5	22.9	23.4	22.6	23.0	23.1	23.5	24.0
8H	4H	22.0	22.6	22.5	23.0	23.5	22.6	23.1	23.1	23.6	24.0
	6H	21.9	22.3	22.4	22.8	23.3	22.5	22.9	23.0	23.4	23.9
	8H	21.9	22.2	22.4	22.7	23.3	22.4	22.8	22.9	23.3	23.8
	12H	21.8	22.1	22.3	22.6	23.2	22.4	22.7	22.9	23.2	23.7
12H	4H	22.0	22.4	22.5	22.9	23.4	22.6	23.0	23.1	23.5	24.0
	6H	21.9	22.2	22.4	22.7	23.3	22.4	22.8	23.0	23.3	23.8
	8H	21.8	22.1	22.3	22.6	23.2	22.4	22.7	22.9	23.2	23.7

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 82 B = 82
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C-planes	γ	0°	15°	30°	45°	60°	75°	90°
		180°	165°	150°	135°	120°	105°	90°
		195°	210°	225°	240°	255°	270°	
		345°	330°	315°	300°	285°		
		Luminance in cd/m ²						
45°		66648.0	70259.2	81104.6	84495.5	85852.0	78171.3	74328.6
50°		45729.4	48711.9	57907.5	57907.5	61138.2	54428.1	50451.6
55°		27294.5	29523.0	34536.2	34257.4	37042.8	32864.7	29523.0
60°		12460.6	12779.6	15336.0	14697.1	16613.8	15017.0	13419.4
65°		2267.6	2646.1	4157.8	3780.4	4536.3	3780.4	2646.1
70°		0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°		0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°		0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°		0.0	0.0	0.0	0.0	0.0	0.0	0.0

Photometric test report

Family Lunis micro square	Order number: 51DE11CD4FF22 + 59DL10000200E00DB EAN: 4058352108130 + 4058352127438	LP number 57963_8
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**

