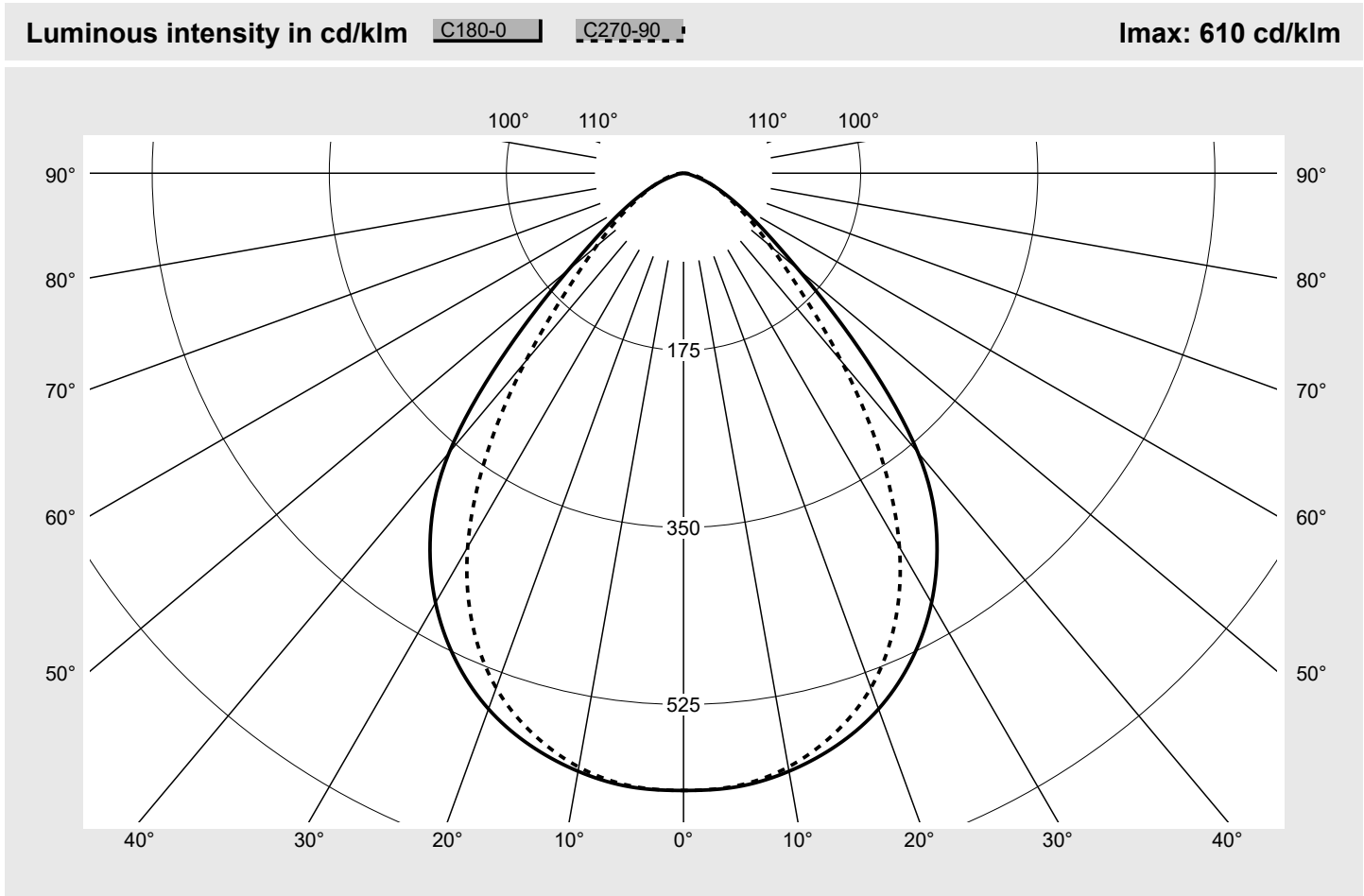


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL1WDN4FXM EAN: 4069025081216	LP number 59521_3
	Version	cover frosted, wide distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 15050 lm Power consumption = 84.6 W Luminous efficacy = 177.9 lm/W
		serial documentation 15.03.2024
		



Classifications		Luminaire light output ratios	
DIN 5040	A 5 0	ηLB	100.0%
CIE	N1=73 N2=94 N3=99	ϕ _u	100.0%
	N4=100 N5=100	ϕ _o	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Licross® 21 Recessed	Order number: 52TL1WDN4FXM EAN: 4069025081216	LP number 59521_3
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°	610.0	610.0	610.0	610.0	610.0	610.0	610.0	3.6	3.6
5°	608.6	607.6	603.5	605.7	607.8	607.2	607.6	29.0	32.6
10°	600.1	600.0	594.9	595.9	596.5	595.2	595.9	56.8	89.4
15°	585.3	585.9	578.8	577.8	576.6	573.9	573.7	82.1	171.5
20°	563.4	563.9	554.9	550.2	546.3	542.2	541.3	103.4	275.0
25°	531.8	531.9	519.6	510.4	502.3	495.0	493.0	118.6	393.5
30°	490.1	489.9	473.2	457.8	443.0	430.6	426.6	125.7	519.3
35°	436.1	434.9	413.9	389.9	365.2	345.5	339.2	122.5	641.7
40°	360.2	357.4	334.2	303.1	273.1	250.6	243.1	106.9	748.6
45°	245.6	242.6	226.1	203.9	182.4	166.8	161.9	79.2	827.8
50°	148.2	149.1	145.2	133.7	122.4	114.2	112.6	55.6	883.4
55°	94.6	95.2	94.9	92.6	85.9	79.9	79.2	40.1	923.5
60°	61.8	62.8	63.1	63.8	60.6	55.1	54.9	28.8	952.3
65°	39.8	41.1	42.4	42.8	42.4	38.1	37.8	20.3	972.6
70°	23.6	24.8	26.8	28.2	28.2	26.4	25.7	13.6	986.2
75°	10.5	11.2	13.0	16.6	16.9	18.1	17.0	7.9	994.2
80°	5.4	5.5	5.6	6.4	8.9	11.0	9.8	4.1	998.2
85°	2.7	2.8	2.9	2.9	2.8	4.7	4.7	1.8	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 Licross® 21 Recessed		Order number: 52TL1WDN4FXM EAN: 4069025081216							LP number 59521_3	
UGR-Table		Standard room							siteco	
Reflection factor of ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5
Reflection factor of walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3
Reflection factor of floor		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	23.9	25.3	24.2	25.6	25.9	22.6	24.0	22.9	24.3
	3H	24.1	25.4	24.5	25.7	26.1	23.0	24.2	23.4	24.6
	4H	24.1	25.3	24.5	25.6	26.0	23.2	24.3	23.5	24.7
	6H	24.1	25.2	24.5	25.5	25.9	23.3	24.4	23.7	24.7
	8H	24.2	25.1	24.6	25.5	25.9	23.4	24.3	23.8	24.7
	12H	24.2	25.0	24.6	25.4	25.8	23.4	24.3	23.8	24.7
4H	2H	24.0	25.2	24.4	25.5	25.9	22.9	24.0	23.3	24.4
	3H	24.3	25.3	24.8	25.7	26.1	23.4	24.4	23.8	24.8
	4H	24.4	25.2	24.8	25.6	26.1	23.6	24.5	24.1	24.9
	6H	24.4	25.1	24.8	25.5	26.0	23.9	24.6	24.3	25.0
	8H	24.4	25.0	24.8	25.5	26.0	23.9	24.6	24.4	25.1
	12H	24.4	25.0	24.9	25.4	25.9	24.0	24.6	24.5	25.1
8H	4H	24.4	25.1	24.9	25.5	26.0	23.7	24.4	24.2	24.8
	6H	24.4	24.9	24.9	25.4	25.9	24.0	24.5	24.5	25.0
	8H	24.4	24.9	24.9	25.4	25.9	24.1	24.5	24.6	25.0
	12H	24.4	24.8	24.9	25.3	25.8	24.2	24.6	24.7	25.1
12H	4H	24.4	25.0	24.9	25.4	25.9	23.7	24.3	24.2	24.7
	6H	24.4	24.8	24.9	25.3	25.9	24.0	24.4	24.5	24.9
	8H	24.4	24.8	24.9	25.3	25.8	24.1	24.5	24.6	25.0

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1500 B = 58	
C-planes	γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°
			Luminance in cd/m²				
45° 50° 55° 60°	γ	60092.3	59361.6	55306.9	49890.7	44617.9	39603.2
		39871.3	40129.6	39070.6	35981.1	32937.9	30300.5
		28520.1	28708.9	28629.6	27919.4	25898.7	23885.2
		21369.6	21711.8	21845.7	22082.7	20952.0	18999.0
65° 70° 75° 80°	γ	16306.7	16803.2	17344.8	17529.4	17371.4	15482.3
		11914.3	12527.3	13546.4	14245.4	14257.1	13336.0
		7046.7	7457.1	8706.3	11109.8	11308.9	12084.2
		5426.3	5485.1	5584.7	6424.5	8851.2	10998.1
85°	γ	5440.4	5545.6	5662.7	5765.9	5488.0	9231.4

Photometric test report

Family
Licross® 21 Recessed

Order number: 52TL1WDN4FXM
EAN: 4069025081216

LP number
59521_3

Luminance values in cd/m²

γ 65°

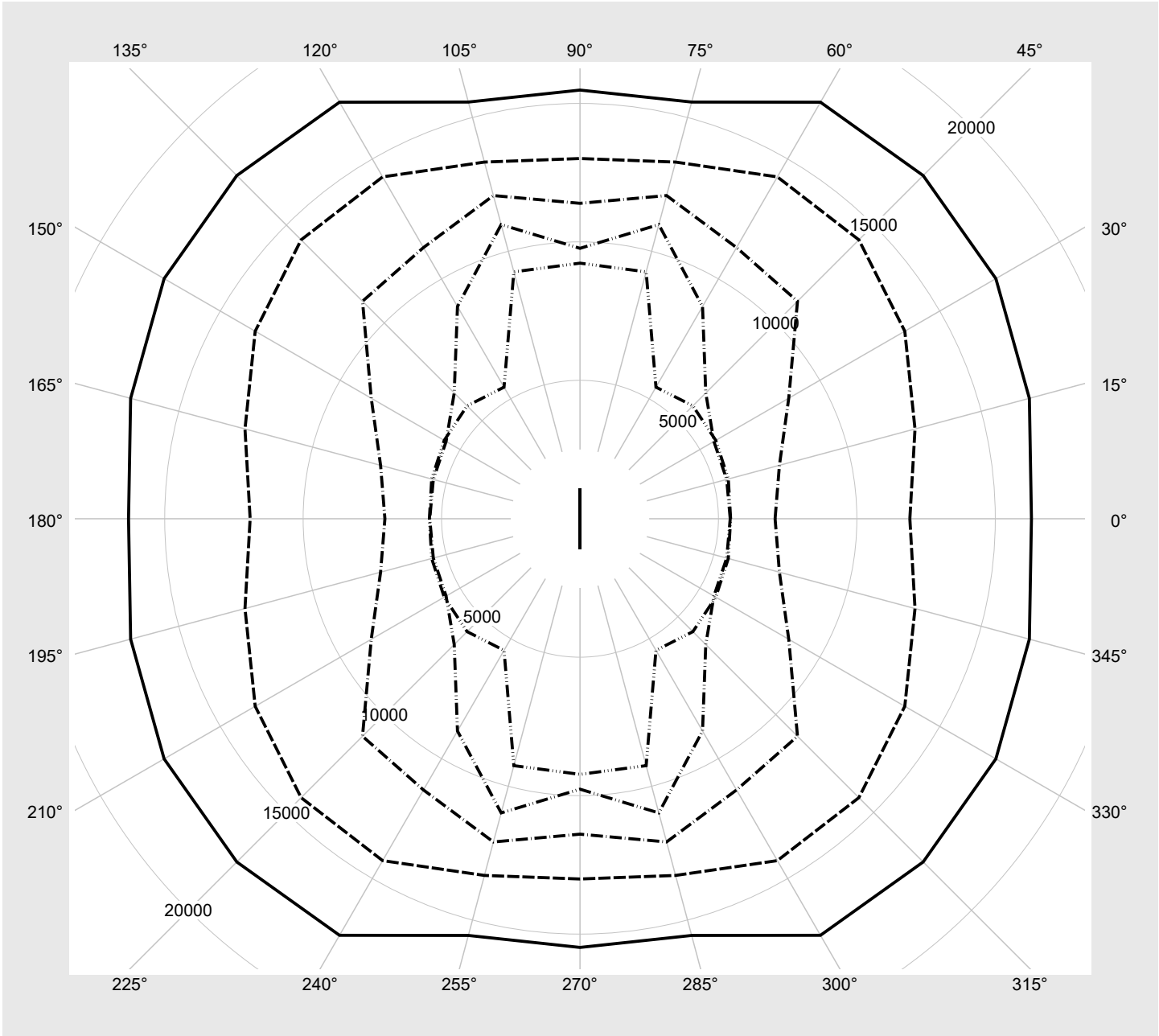
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Licross® 21 Recessed	Order number: 52TL1WDN4FXM EAN: 4069025081216	LP number 59521_3
Dimming levels table environmental temperature: 25°C		

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	15050	84.6
95	240	252	14294	80.0
90	226	250	13528	75.2
85	213	248	12812	71.0
80	199	245	12029	66.3
75	186	243	11290	62.0
70	173	240	10547	57.8
65	160	237	9793	53.6
60	147	234	9036	49.3
55	134	231	8271	45.1
50	122	227	7553	41.2
45	109	223	6773	37.1
40	97	219	6048	33.2
35	84	213	5250	29.1
30	72	208	4512	25.4
25	60	201	3768	21.6
20	48	193	3016	17.8
15	36	182	2262	14.0
10	24	168	1503	10.2
5	12	142	736	6.5
1	4	102	225	4.1