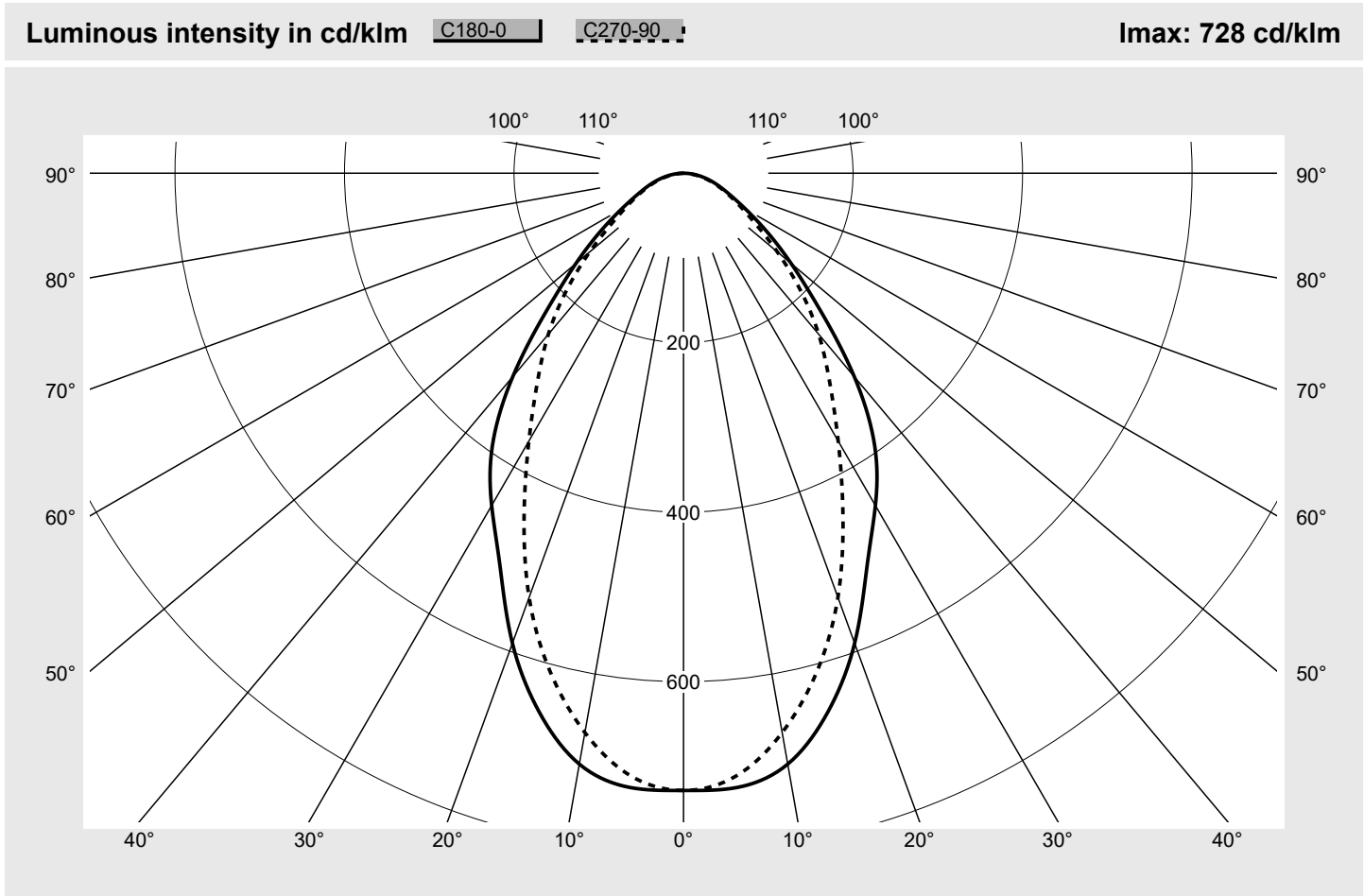


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL12DV4LXM3S4 EAN: 4069025202956	LP number 59446_100
	Version	cover frosted, wide distribution, high visual comfort
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Setting	AC-mode
	Rated values	Net luminous flux = 20000 lm Power consumption = 113.5 W Luminous efficacy = 176.2 lm/W
		serial documentation 17.09.2024
		siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 5 0	η_{LB}	100.0%
CIE	N1=69 N2=91 N3=98	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: 52TL12DV4LXM3S4 EAN: 4069025202956	LP number 59446_100
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°	728.4	728.4	728.4	728.4	728.4	728.4	728.4	4.4	4.4
5°	727.5	724.8	717.6	716.9	716.5	714.4	713.9	34.3	38.7
10°	708.0	704.6	693.5	687.1	680.0	672.5	670.2	65.5	104.1
15°	658.1	653.2	637.7	629.5	623.7	612.7	608.6	89.6	193.8
20°	590.3	582.5	562.9	551.9	546.6	538.5	532.6	104.5	298.2
25°	512.2	499.8	475.2	461.5	453.8	449.4	445.1	108.8	407.1
30°	452.8	433.7	396.2	371.8	363.4	365.0	364.9	106.8	513.9
35°	393.4	374.1	335.3	295.7	285.6	295.2	300.5	101.3	615.2
40°	313.5	300.8	276.8	238.3	224.4	239.2	248.1	91.6	706.8
45°	227.2	217.7	208.5	191.4	176.2	187.2	194.9	77.0	783.8
50°	165.8	151.3	143.3	147.8	138.9	142.4	144.5	61.5	845.3
55°	119.7	105.2	93.7	108.9	109.4	104.2	103.2	47.4	892.7
60°	84.3	73.0	63.0	78.5	83.8	75.4	76.1	35.9	928.6
65°	60.6	51.5	43.5	55.3	61.5	55.5	56.9	27.0	955.6
70°	44.8	36.9	29.5	37.3	40.5	40.0	42.0	19.5	975.1
75°	31.9	25.4	19.2	23.6	27.6	27.0	29.3	13.5	988.6
80°	20.2	15.5	11.1	12.8	15.3	15.6	17.2	8.0	996.7
85°	9.4	7.2	4.9	5.0	5.8	6.0	6.3	3.3	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: 52TL12DV4LXM3S4 EAN: 4069025202956	LP number 59446_100
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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	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	23.3	24.8	23.7	25.1	25.4	22.9	24.4	23.3	24.7	25.0
	3H	24.0	25.3	24.4	25.6	26.0	23.7	25.0	24.1	25.4	25.7
	4H	24.4	25.5	24.7	25.9	26.3	24.1	25.3	24.5	25.7	26.0
	6H	24.7	25.8	25.1	26.1	26.5	24.4	25.5	24.8	25.8	26.2
	8H	24.9	25.8	25.3	26.2	26.6	24.5	25.5	24.9	25.9	26.3
	12H	25.0	25.9	25.4	26.3	26.7	24.6	25.5	25.0	25.9	26.3
4H	2H	23.6	24.8	24.0	25.2	25.5	23.3	24.5	23.7	24.9	25.2
	3H	24.4	25.4	24.8	25.7	26.2	24.3	25.3	24.7	25.7	26.1
	4H	24.8	25.7	25.2	26.1	26.5	24.8	25.6	25.2	26.1	26.5
	6H	25.2	25.9	25.6	26.4	26.8	25.1	25.9	25.6	26.3	26.8
	8H	25.3	26.0	25.8	26.5	27.0	25.2	25.9	25.7	26.4	26.9
	12H	25.5	26.1	26.0	26.6	27.1	25.3	25.9	25.8	26.4	26.9
8H	4H	24.9	25.6	25.3	26.0	26.5	24.9	25.6	25.3	26.0	26.5
	6H	25.3	25.9	25.8	26.3	26.8	25.3	25.9	25.8	26.4	26.9
	8H	25.5	26.0	26.0	26.5	27.0	25.5	26.0	26.0	26.5	27.0
	12H	25.7	26.1	26.2	26.6	27.2	25.6	26.0	26.1	26.5	27.1
12H	4H	24.9	25.5	25.4	25.9	26.4	24.9	25.5	25.4	25.9	26.4
	6H	25.3	25.8	25.8	26.3	26.8	25.3	25.8	25.8	26.3	26.8
	8H	25.5	25.9	26.1	26.4	27.0	25.5	25.9	26.0	26.4	27.0

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 2250 B = 58	
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°	49253.2	47181.4	45190.2	41489.9	38192.4	40563.1	42235.2
50°	39539.2	36070.6	34164.6	35228.3	33126.5	33946.5	34441.5
55°	31990.7	28120.1	25040.4	29101.3	29242.1	27838.8	27578.0
60°	25852.3	22366.6	19303.6	24057.0	25676.3	23112.0	23335.2
65°	21967.4	18675.0	15765.2	20057.0	22310.1	20141.5	20641.3
70°	20060.2	16548.1	13200.4	16732.7	18168.4	17901.7	18834.2
75°	18886.8	15026.7	11376.8	13982.8	16338.9	15993.7	17355.0
80°	17851.7	13709.0	9812.4	11289.0	13476.8	13753.1	15182.9
85°	16552.0	12657.1	8540.7	8853.7	10218.2	10518.9	11076.3

Photometric test report

Family
Licross® 21 Recessed

Order number: 52TL12DV4LXM3S4
EAN: 4069025202956

LP number
59446_100

Luminance values in cd/m²

γ 65°

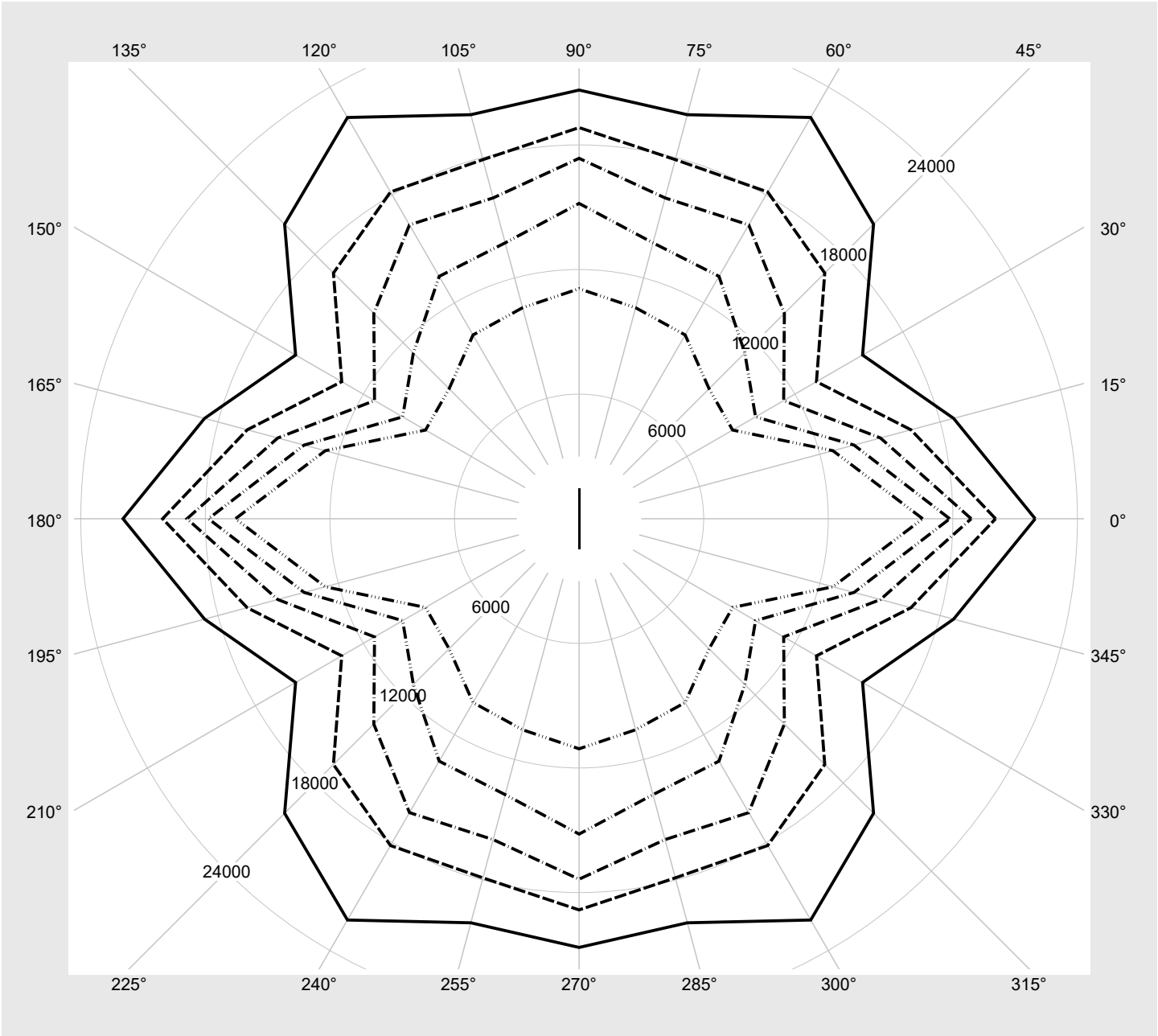
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Licross® 21 Recessed	Order number: 52TL12DV4LXM3S4 EAN: 4069025202956	LP number 59446_100
Dimming levels table environmental temperature: 25°C		

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	20000	113.5
95	240	252	18982	107.7
90	227	250	18028	102.2
85	213	248	16984	96.2
80	200	245	16008	90.6
75	187	243	15024	85.1
70	174	240	14025	79.7
65	161	237	13026	74.1
60	148	234	12017	68.7
55	135	231	10994	63.2
50	122	227	9966	57.8
45	110	223	9011	52.7
40	97	219	7964	47.3
35	85	214	6994	42.3
30	73	208	6020	37.3
25	61	202	5033	32.2
20	48	193	3963	26.8
15	36	182	2970	21.6
10	24	168	1971	16.2
5	12	142	962	10.5
2	5	110	374	6.8