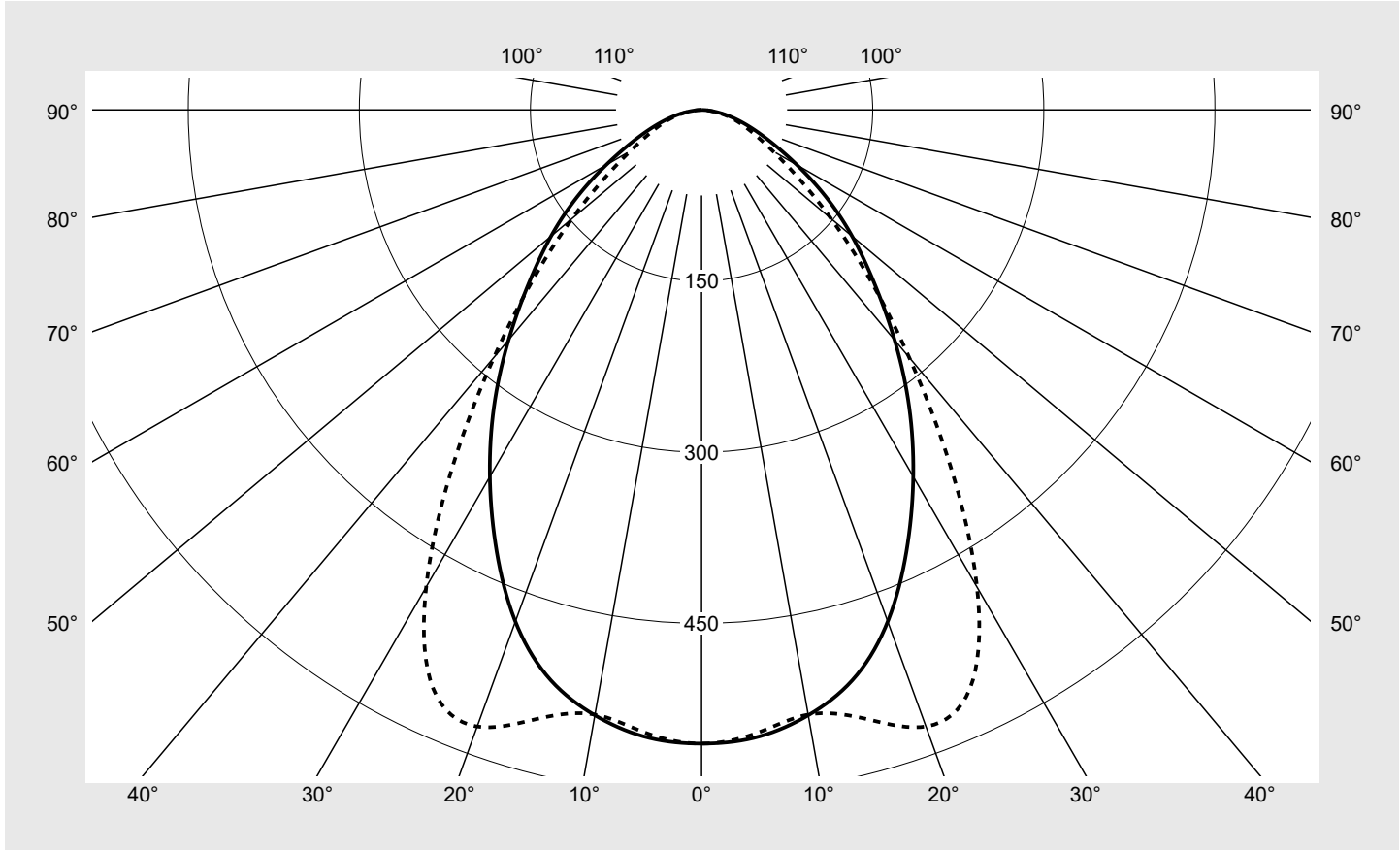


Photometric test report

Family Licross® Recessed	Order number: 51TL12DN5DXL EAN: 4058352442197	LP number 58689_12
	Version	cover frosted, wide distribution, high visual comfort
	Lamps	LED 5000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 13030 lm Power consumption = 76.0 W Luminous efficacy = 171.4 lm/W
		serial documentation 23.07.2019
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 575 cd/klm**



Classifications	
DIN 5040	A 5 0
CIE	N1=66 N2=91 N3=98 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 Licross® Recessed	Order number: 51TL12DN5DXL EAN: 4058352442197	LP number 58689_12
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°	555.4	555.4	555.4	555.4	555.4	555.4	555.4	3.3	3.3
5°	551.9	549.3	545.0	546.0	548.1	548.0	548.5	26.2	29.5
10°	538.7	535.0	528.7	529.1	532.7	535.9	538.2	50.8	80.3
15°	515.9	510.9	504.6	513.1	530.5	544.7	552.3	74.2	154.5
20°	477.2	471.4	470.1	497.6	537.0	563.7	575.1	95.8	250.2
25°	425.5	419.5	426.9	469.4	521.2	548.6	558.0	111.1	361.3
30°	371.2	364.3	378.4	421.3	459.9	477.2	482.9	115.5	476.8
35°	317.2	309.8	328.6	357.7	367.8	374.7	379.7	109.4	586.2
40°	263.2	255.5	280.4	291.4	277.2	277.7	283.1	97.2	683.4
45°	213.7	204.0	230.1	230.5	202.8	200.2	207.0	82.5	765.9
50°	172.3	160.2	177.2	176.6	149.6	143.3	148.0	67.7	833.6
55°	133.3	121.6	126.4	129.1	111.8	101.0	103.0	53.0	886.6
60°	96.7	87.9	85.2	90.2	83.1	71.0	72.1	39.7	926.3
65°	67.7	61.0	56.3	61.1	60.5	50.8	52.1	29.0	955.3
70°	46.9	41.7	36.5	40.2	42.1	36.4	38.1	20.6	975.8
75°	30.9	26.7	22.6	25.0	27.1	24.7	26.6	13.7	989.5
80°	17.8	14.8	12.0	13.1	14.7	14.1	15.6	7.7	997.1
85°	6.6	5.4	4.4	4.8	5.3	5.4	5.9	2.9	1000.0
90°	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® Recessed	Order number: 51TL12DN5DXL EAN: 4058352442197	LP number 58689_12
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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	23.8	25.3	24.2	25.6	25.9	23.3	24.8	23.6	25.1	25.4
	3H	24.5	25.9	24.9	26.2	26.5	23.9	25.2	24.2	25.5	25.9
	4H	24.8	26.1	25.2	26.4	26.8	24.1	25.3	24.5	25.7	26.1
	6H	25.0	26.2	25.5	26.5	26.9	24.3	25.5	24.7	25.8	26.2
	8H	25.2	26.2	25.6	26.6	27.0	24.5	25.5	24.9	25.9	26.3
	12H	25.2	26.2	25.6	26.6	27.0	24.5	25.4	24.9	25.8	26.3
4H	2H	24.1	25.4	24.5	25.7	26.1	23.7	24.9	24.1	25.3	25.7
	3H	24.9	26.0	25.4	26.4	26.8	24.5	25.5	24.9	25.9	26.3
	4H	25.3	26.2	25.7	26.6	27.1	24.8	25.7	25.3	26.2	26.6
	6H	25.6	26.4	26.0	26.8	27.3	25.1	25.9	25.6	26.3	26.8
	8H	25.7	26.4	26.2	26.9	27.3	25.2	25.9	25.7	26.4	26.8
	12H	25.8	26.4	26.3	26.8	27.3	25.3	25.9	25.8	26.4	26.8
8H	4H	25.4	26.1	25.9	26.6	27.0	24.9	25.7	25.4	26.1	26.6
	6H	25.7	26.3	26.2	26.8	27.3	25.3	25.9	25.8	26.4	26.9
	8H	25.8	26.4	26.3	26.8	27.4	25.4	25.9	25.9	26.4	27.0
	12H	25.9	26.4	26.5	26.9	27.4	25.5	26.0	26.0	26.5	27.0
12H	4H	25.4	26.0	25.9	26.5	27.0	25.0	25.6	25.4	26.0	26.5
	6H	25.7	26.2	26.3	26.7	27.3	25.3	25.8	25.8	26.3	26.8
	8H	25.9	26.3	26.4	26.8	27.3	25.5	25.9	26.0	26.4	26.9

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500
			B = 58

C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		45264.2	43206.1	48728.3	48813.7	42957.6	42398.5	43850.8	
50°		40139.1	37336.5	41292.4	41155.7	34858.8	33389.3	34483.0	
55°		34813.8	31740.5	32994.6	33703.3	29186.0	26380.6	26895.5	
60°		28957.5	26322.7	25529.5	27012.2	24901.4	21270.1	21585.2	
65°		23985.9	21627.5	19961.5	21640.2	21449.2	18017.4	18450.1	
70°		20530.9	18279.6	15988.1	17613.2	18439.9	15949.6	16686.6	
75°		17900.5	15432.5	13060.5	14439.5	15668.0	14274.0	15379.2	
80°		15326.5	12733.0	10329.2	11340.9	12640.7	12194.8	13460.0	
85°		11329.5	9281.2	7549.0	8198.6	9068.1	9224.5	10094.0	

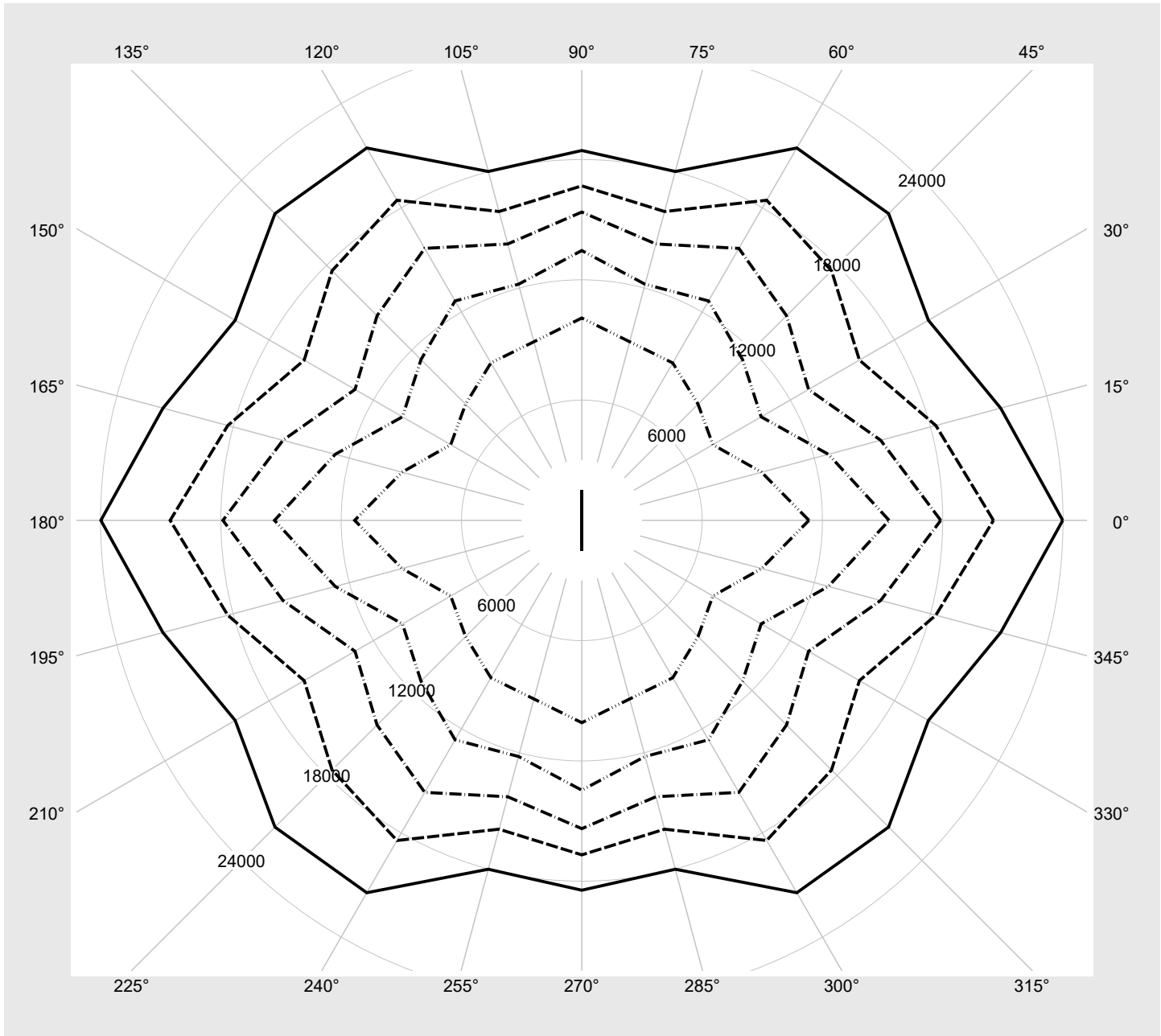
Photometric test report

Family Licross® Recessed	Order number: 51TL12DN5DXL EAN: 4058352442197	LP number 58689_12
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco



Photometric test report

Family Licross® Recessed	Order number: 51TL12DN5DXL EAN: 4058352442197	LP number 58689_12
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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	13030	76.0
95	240	252	12382	71.9
90	227	250	11731	67.7
85	213	248	11079	63.7
80	200	245	10427	59.8
75	187	243	9776	55.8
70	173	240	9124	52.1
65	160	237	8472	48.2
60	148	234	7820	44.4
55	135	231	7169	40.7
50	122	227	6517	37.1
45	110	224	5865	33.5
40	97	219	5214	30.0
35	85	214	4562	26.4
30	73	208	3910	23.0
25	61	202	3259	19.5
20	49	193	2607	16.1
15	37	183	1955	12.7
10	25	169	1303	9.4
5	13	143	651	6.0