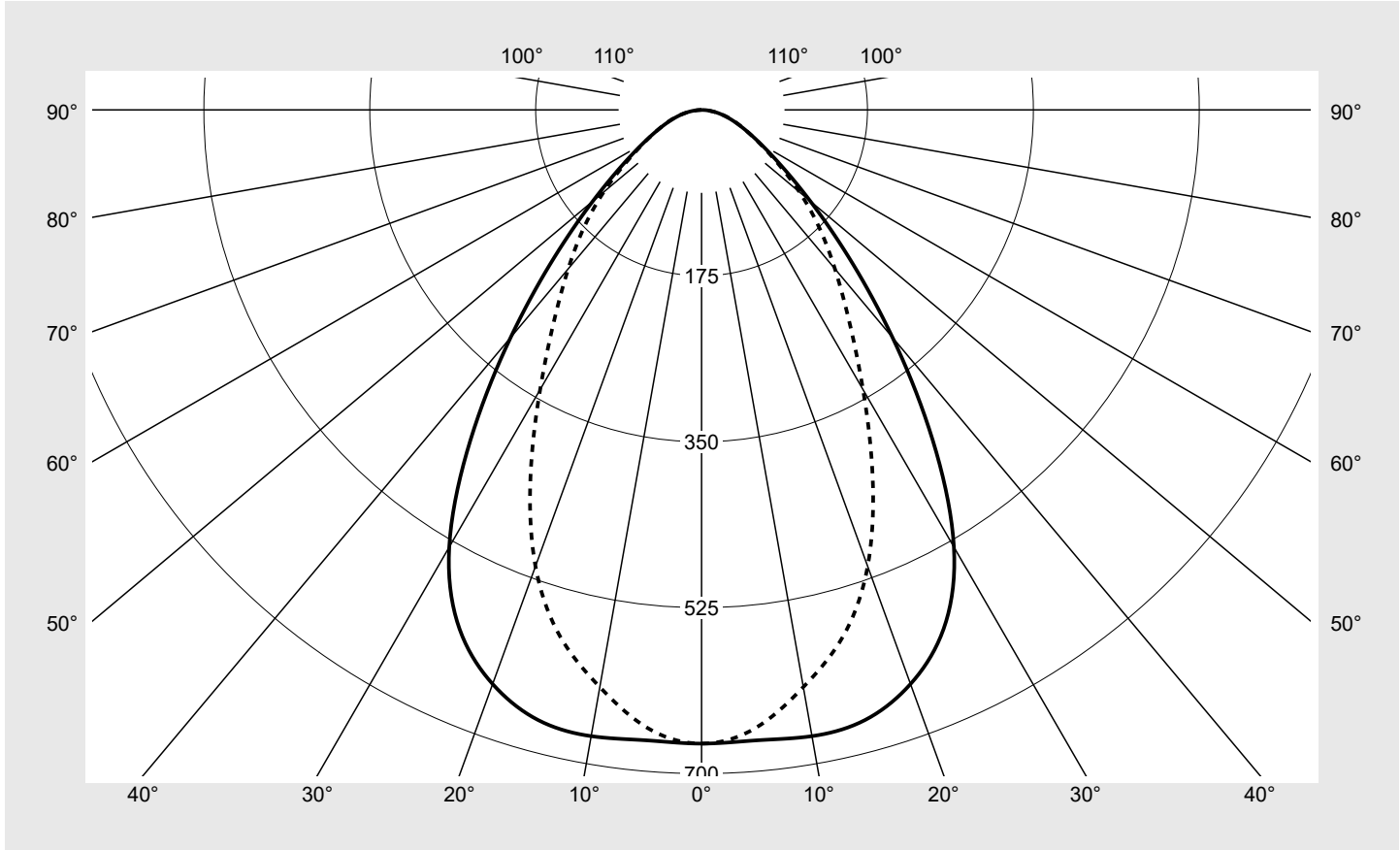


Photometric test report

Family Licross® 21 Recessed	Order number: 52TE12DV4DXG EAN: 4058352889602	LP number 59101_277
	Version cover frosted, wide distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 13000 lm Power consumption = 71.0 W Luminous efficacy = 183.1 lm/W	serial documentation 02.08.2023



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 671 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=72 N2=92 N3=99 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® 21 Recessed	Order number: 52TE12DV4DXG EAN: 4058352889602	LP number 59101_277
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°	668.4	668.4	668.4	668.4	668.4	668.4	668.4	4.0	4.0
5°	667.5	664.4	657.4	655.8	655.7	654.2	654.4	31.4	35.4
10°	670.7	665.0	649.1	636.1	625.3	618.7	618.1	60.9	96.3
15°	666.2	657.2	632.9	612.0	594.0	578.5	575.5	87.4	183.7
20°	644.4	632.9	606.9	585.4	554.6	522.7	512.3	108.8	292.5
25°	604.1	590.6	566.7	541.2	494.5	444.9	427.0	121.8	414.2
30°	532.4	517.7	496.3	466.1	413.9	359.9	340.6	122.9	537.1
35°	425.0	409.7	387.0	361.9	325.4	286.0	271.1	111.0	648.1
40°	313.4	295.8	270.7	255.1	246.8	229.4	218.8	91.8	739.9
45°	219.2	200.3	175.7	171.1	181.8	184.7	175.5	71.8	811.7
50°	149.7	132.6	112.6	116.3	133.0	145.6	134.9	54.8	866.5
55°	102.7	89.1	74.7	81.5	98.1	107.9	98.1	41.3	907.7
60°	72.4	62.1	51.3	58.3	71.8	76.5	71.0	31.0	938.7
65°	52.1	44.3	35.9	41.6	51.4	54.2	52.1	23.1	961.9
70°	37.6	31.7	24.7	29.1	35.6	38.4	38.3	16.9	978.8
75°	26.0	21.3	16.2	19.0	22.9	25.9	26.8	11.6	990.4
80°	16.1	12.5	9.2	10.4	12.6	14.8	15.7	6.8	997.3
85°	7.0	5.4	3.8	4.1	4.8	5.7	5.8	2.7	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: 52TE12DV4DXG EAN: 4058352889602	LP number 59101_277
---------------------------------------	--	-------------------------------

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	21.2	22.7	21.6	23.0	23.3	21.2	22.6	21.5	22.9	23.3
	3H	21.8	23.1	22.2	23.4	23.8	22.0	23.2	22.4	23.6	23.9
	4H	22.1	23.3	22.5	23.6	24.0	22.3	23.5	22.7	23.8	24.2
	6H	22.4	23.4	22.8	23.8	24.2	22.6	23.6	23.0	24.0	24.4
	8H	22.5	23.5	23.0	23.9	24.3	22.7	23.7	23.1	24.1	24.5
	12H	22.6	23.5	23.0	23.9	24.3	22.7	23.7	23.2	24.0	24.5
4H	2H	21.4	22.6	21.8	22.9	23.3	21.4	22.6	21.8	22.9	23.3
	3H	22.1	23.1	22.5	23.4	23.9	22.3	23.3	22.8	23.7	24.1
	4H	22.4	23.3	22.9	23.7	24.1	22.8	23.7	23.2	24.1	24.5
	6H	22.7	23.5	23.2	23.9	24.4	23.1	23.9	23.6	24.3	24.8
	8H	22.9	23.6	23.4	24.0	24.5	23.3	24.0	23.7	24.4	24.9
	12H	23.0	23.6	23.5	24.1	24.5	23.4	23.9	23.9	24.4	24.9
8H	4H	22.5	23.2	23.0	23.6	24.1	22.8	23.5	23.3	24.0	24.4
	6H	22.9	23.4	23.4	23.9	24.4	23.3	23.8	23.8	24.3	24.8
	8H	23.0	23.5	23.5	24.0	24.5	23.4	23.9	23.9	24.4	24.9
	12H	23.2	23.6	23.7	24.1	24.6	23.6	24.0	24.1	24.5	25.0
12H	4H	22.5	23.1	23.0	23.6	24.1	22.9	23.4	23.3	23.9	24.4
	6H	22.9	23.3	23.4	23.8	24.4	23.3	23.7	23.8	24.2	24.8
	8H	23.0	23.4	23.6	23.9	24.5	23.5	23.9	24.0	24.4	24.9

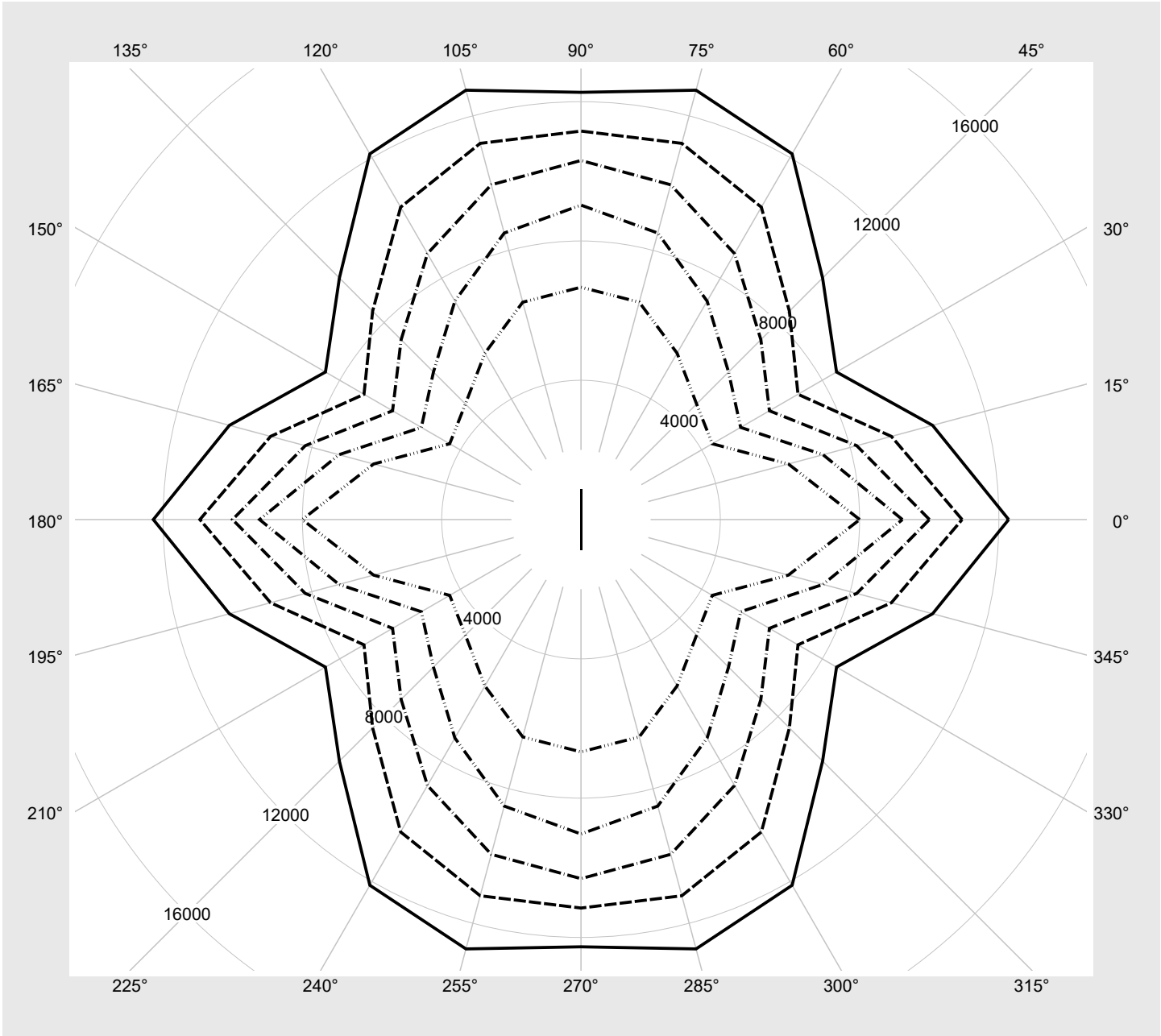
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 2250
			B = 58

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°		30883.6	28224.9	24748.7	24109.4	25611.8	26020.4	24727.9
50°		23197.6	20545.7	17452.0	18024.7	20611.1	22567.3	20899.3
55°		17830.7	15479.1	12976.8	14158.6	17034.0	18748.1	17029.7
60°		14420.9	12379.0	10222.3	11624.1	14298.4	15243.6	14141.4
65°		12281.1	10452.7	8473.4	9811.3	12126.8	12765.1	12269.4
70°		10944.1	9228.0	7195.3	8462.3	10359.0	11184.7	11156.4
75°		10006.8	8197.0	6247.9	7304.4	8818.2	9953.3	10312.0
80°		9229.8	7195.6	5293.8	5992.0	7243.7	8518.4	9030.7
85°		8004.3	6165.2	4353.6	4694.2	5518.3	6462.4	6672.7

Photometric test report

Family Licross® 21 Recessed	Order number: 52TE12DV4DXG EAN: 4058352889602	LP number 59101_277
---------------------------------------	--	-------------------------------

Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°



Photometric test report

Family Licross® 21 Recessed	Order number: 52TE12DV4DXG EAN: 4058352889602	LP number 59101_277
---------------------------------------	--	-------------------------------

Dimming levels table	environmental temperature: 25°C	sITeco
-----------------------------	---------------------------------	---------------

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	13000	71.0
95	240	252	12335	67.1
90	227	250	11708	63.5
85	213	248	11028	59.6
80	200	245	10393	56.0
75	187	243	9752	52.5
70	174	240	9105	48.9
65	161	237	8453	45.3
60	148	234	7796	41.7
55	135	231	7134	38.3
50	123	227	6518	35.0
45	110	223	5844	31.6
40	98	219	5218	28.4
35	85	214	4539	24.9
30	73	208	3906	21.7
25	61	202	3269	18.3
20	49	194	2626	15.0
15	36	182	1928	11.1
10	24	168	1283	7.4
5	12	142	631	3.7
2	5	110	246	1.5