

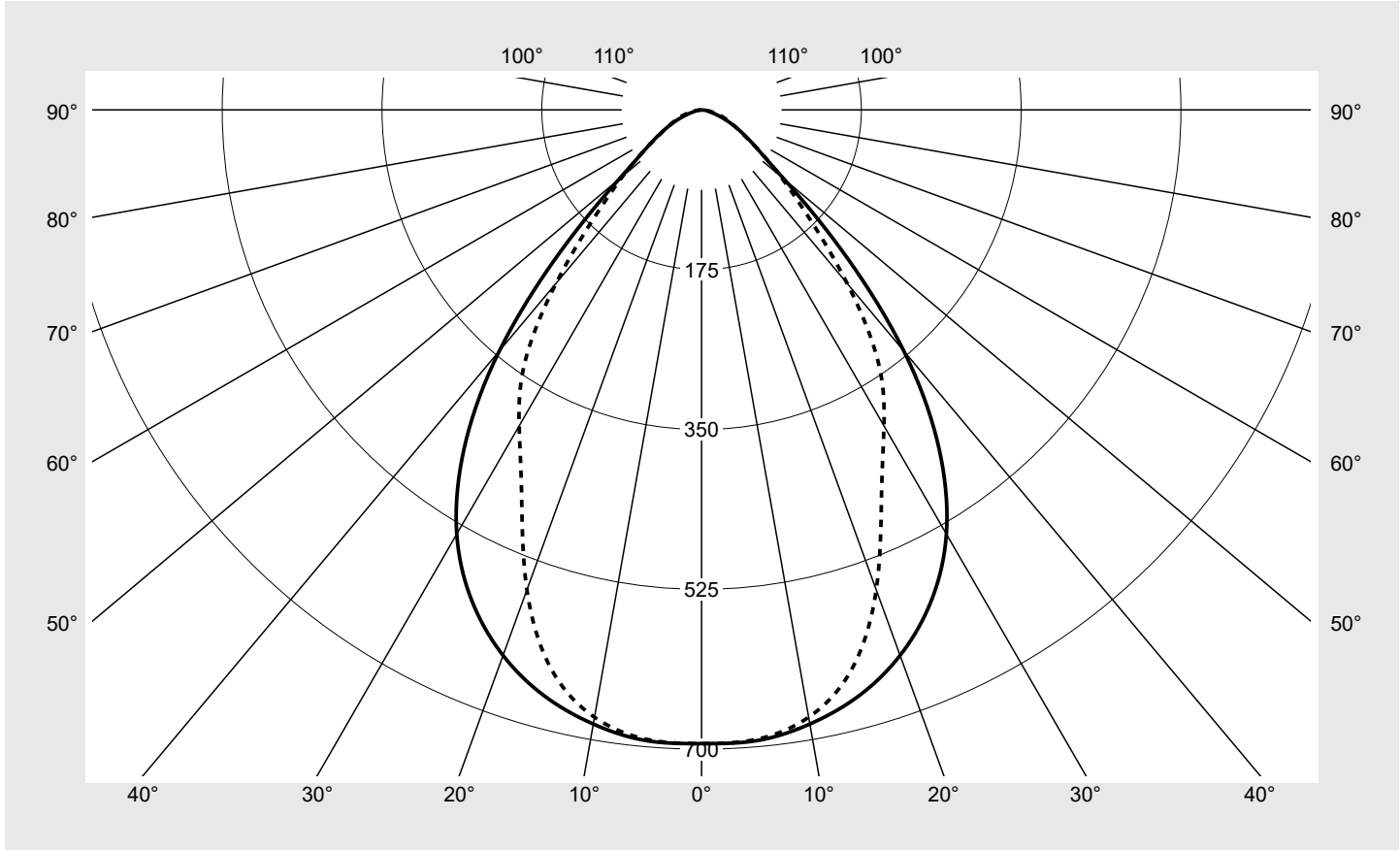


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL18DE47XM EAN: 4058352891346	LP number 59104_146
	Version cover frosted, medium distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 7420 lm Power consumption = 44.1 W Luminous efficacy = 168.3 lm/W	serial documentation 02.08.2023
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 694 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=75 N2=94 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: 52TL18DE47XM EAN: 4058352891346	LP number 59104_146
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°	694.0	694.0	694.0	694.0	694.0	694.0	694.0	4.2	4.2
5°	693.3	691.2	687.0	689.0	691.7	691.4	691.9	33.0	37.1
10°	682.9	681.6	676.2	676.6	677.1	675.1	675.3	64.5	101.6
15°	664.5	663.4	655.7	650.8	644.2	637.0	634.6	92.2	193.9
20°	635.7	634.6	621.8	603.7	582.0	564.8	559.4	112.6	306.5
25°	594.3	592.8	570.2	532.2	493.8	471.5	466.3	123.2	429.7
30°	536.3	532.4	496.5	443.5	408.6	399.3	399.5	125.5	555.2
35°	453.8	445.6	398.8	354.7	341.6	338.2	337.4	119.2	674.4
40°	344.5	330.9	285.8	265.8	259.9	251.4	248.0	99.2	773.7
45°	216.1	203.7	174.1	171.5	169.1	165.7	165.2	69.4	843.1
50°	117.9	113.3	108.5	113.4	112.2	111.3	112.1	47.2	890.2
55°	75.1	72.3	72.7	81.4	80.0	76.7	75.3	34.3	924.5
60°	52.8	51.4	52.2	58.3	58.9	53.9	51.6	25.9	950.4
65°	36.0	35.7	38.4	42.9	44.1	39.6	37.5	19.7	970.1
70°	22.2	22.5	25.4	30.3	32.0	29.3	27.4	14.1	984.2
75°	11.8	12.0	13.9	18.9	21.4	20.1	18.3	8.9	993.1
80°	6.2	6.2	6.9	9.4	11.9	11.6	10.1	4.9	998.0
85°	3.0	2.9	3.0	3.8	4.5	4.6	3.6	2.0	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 Licross® 21 Recessed	Order number: 52TL18DE47XM EAN: 4058352891346	LP number 59104_146
---------------------------------------	--	-------------------------------

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	22.9	24.2	23.2	24.6	24.9	22.2	23.6	22.6	23.9	24.2
	3H	23.1	24.4	23.5	24.7	25.1	22.7	24.0	23.1	24.3	24.7
	4H	23.2	24.3	23.6	24.7	25.1	23.0	24.1	23.4	24.5	24.9
	6H	23.2	24.2	23.6	24.6	25.0	23.1	24.2	23.6	24.6	25.0
	8H	23.3	24.2	23.7	24.6	25.0	23.2	24.2	23.7	24.6	25.0
	12H	23.3	24.1	23.7	24.5	24.9	23.3	24.1	23.7	24.5	24.9
4H	2H	23.0	24.2	23.4	24.5	24.9	22.5	23.6	22.9	24.0	24.3
	3H	23.4	24.4	23.9	24.8	25.2	23.2	24.2	23.7	24.6	25.0
	4H	23.5	24.4	24.0	24.8	25.2	23.6	24.4	24.0	24.8	25.3
	6H	23.6	24.3	24.0	24.7	25.2	23.8	24.6	24.3	25.0	25.5
	8H	23.6	24.2	24.0	24.7	25.1	23.9	24.6	24.4	25.0	25.5
	12H	23.6	24.2	24.1	24.6	25.1	24.0	24.5	24.5	25.0	25.5
8H	4H	23.6	24.3	24.1	24.7	25.2	23.7	24.3	24.1	24.8	25.2
	6H	23.7	24.2	24.2	24.7	25.2	24.0	24.5	24.5	25.0	25.5
	8H	23.7	24.2	24.2	24.6	25.2	24.1	24.6	24.6	25.1	25.6
	12H	23.7	24.1	24.2	24.6	25.1	24.2	24.6	24.7	25.1	25.6
12H	4H	23.6	24.2	24.1	24.6	25.1	23.7	24.2	24.2	24.7	25.2
	6H	23.7	24.1	24.2	24.6	25.2	24.0	24.5	24.5	25.0	25.5
	8H	23.7	24.1	24.2	24.6	25.2	24.2	24.5	24.7	25.0	25.6

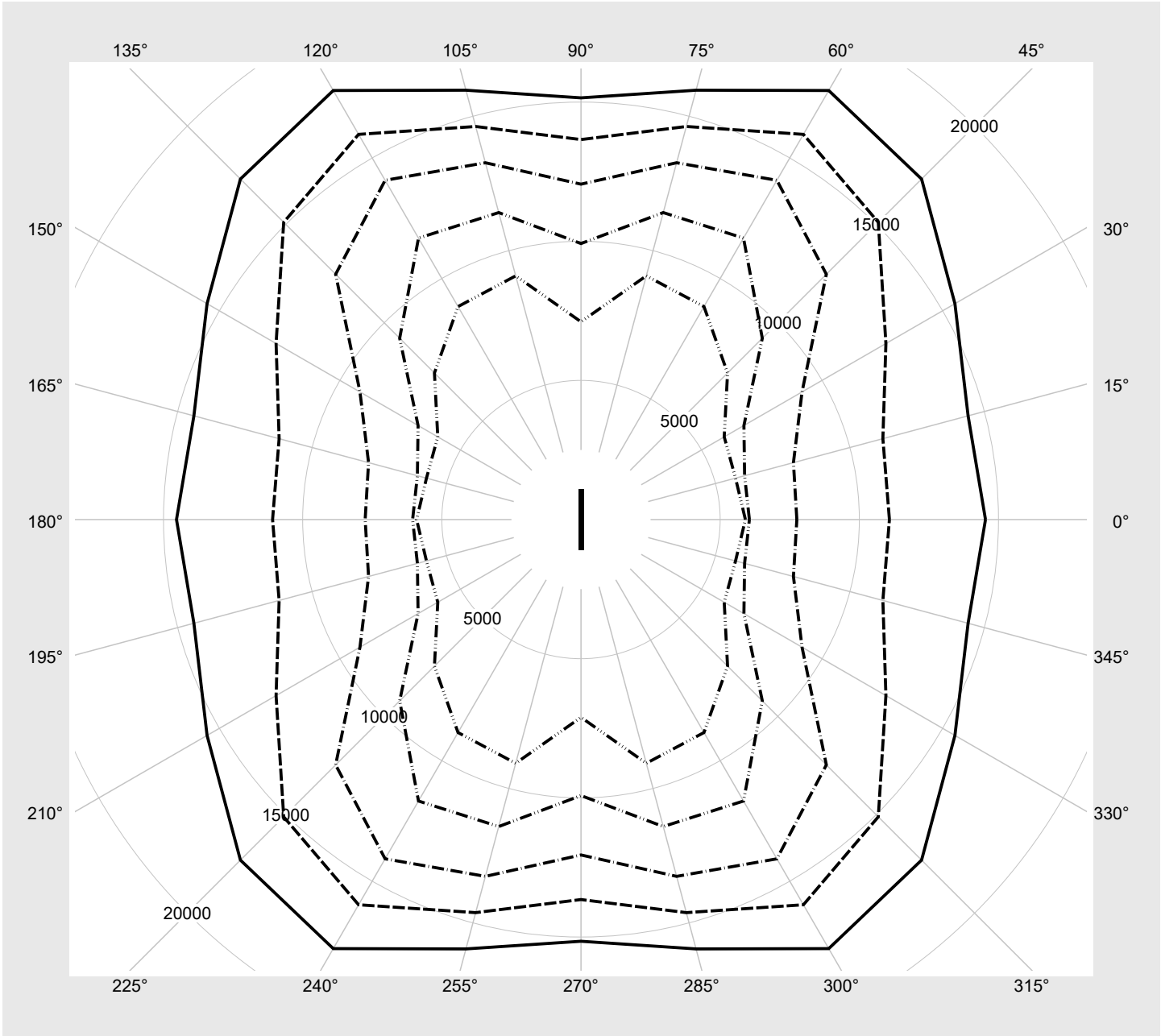
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 750 B = 58
------------------------	---	--------------------------------------	---------------------------------

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°		52130.8	49142.0	41987.1	41365.7	40783.6	39971.2	39862.6	
50°		31292.4	30064.2	28797.9	30097.7	29787.2	29533.8	29753.5	
55°		22343.4	21491.9	21625.8	24207.4	23800.3	22820.1	22386.5	
60°		18025.7	17526.2	17798.1	19892.1	20097.8	18404.0	17586.9	
65°		14532.9	14398.9	15513.3	17305.0	17801.4	15971.4	15152.1	
70°		11081.2	11228.8	12649.7	15105.9	15981.7	14621.7	13653.7	
75°		7755.0	7902.0	9170.0	12466.6	14076.0	13272.6	12051.4	
80°		6050.0	6085.4	6759.2	9213.0	11677.6	11419.2	9917.3	
85°		5906.6	5748.1	5941.8	7446.9	8836.4	9065.4	7106.3	

Photometric test report

Family Licross® 21 Recessed	Order number: 52TL18DE47XM EAN: 4058352891346	LP number 59104_146
---------------------------------------	--	--------------------------------------

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: 52TL18DE47XM EAN: 4058352891346	LP number 59104_146
---------------------------------------	--	--------------------------------------

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	7420	44.1
95	240	252	7047	41.8
90	226	250	6670	39.4
85	213	248	6316	37.3
80	199	245	5931	34.9
75	186	243	5566	32.7
70	173	240	5200	30.5
65	160	237	4828	28.2
60	147	234	4455	26.0
55	134	231	4077	23.7
50	122	227	3724	21.5
45	109	223	3339	19.3
40	97	219	2982	17.6
35	84	213	2588	15.9
30	72	208	2224	14.2
25	60	201	1858	12.4
20	48	193	1487	10.3
15	36	182	1115	7.6
10	24	168	741	4.4
5	12	142	363	1.5
1	4	102	111	0.3