

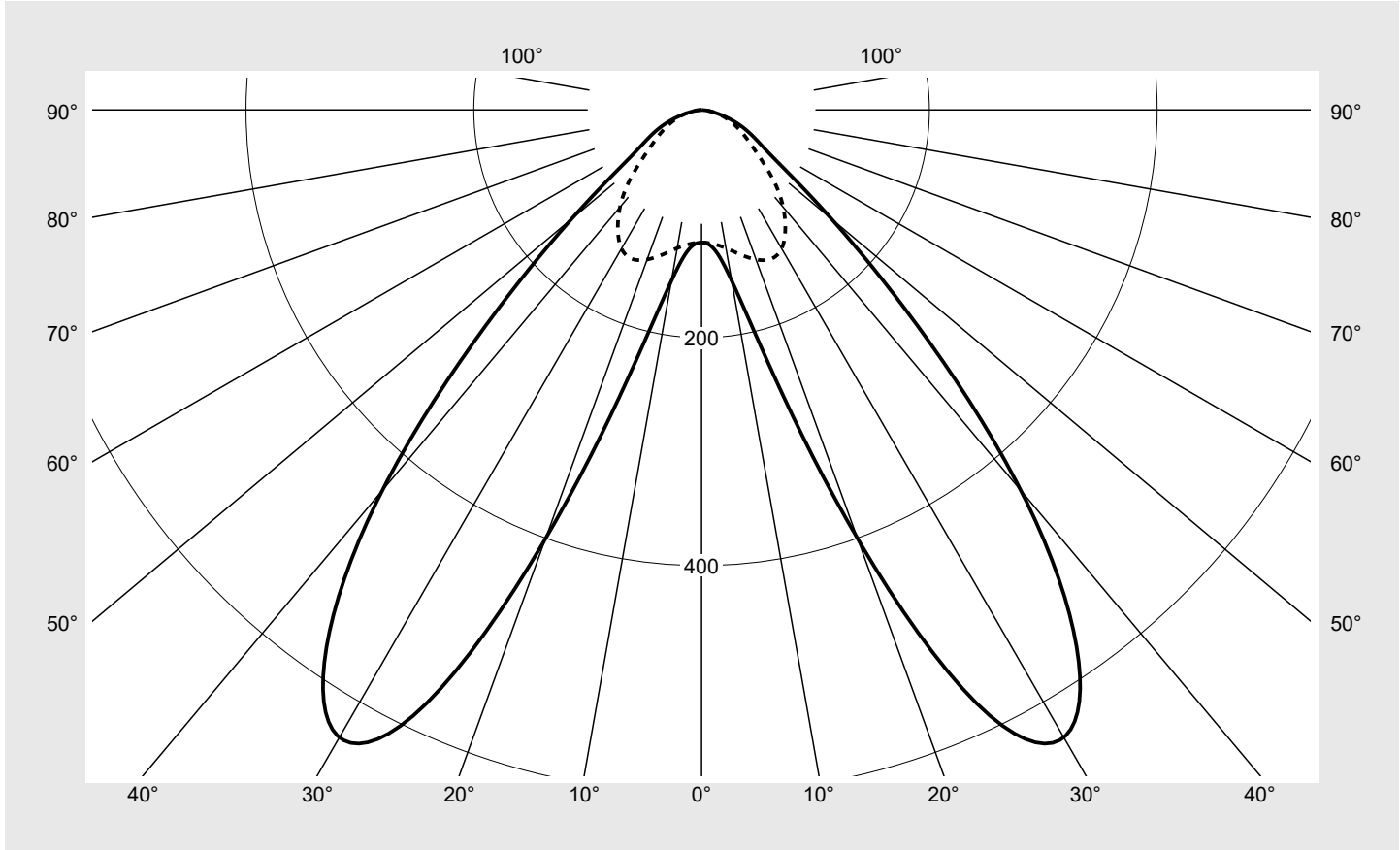


Photometric test report

Family Licross® Recessed	Order number: 51TL19CN48XF EAN: 4058352210239	LP number 58532_18
	Version cover frosted, double asymmetric distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 8020 lm Power consumption = 48.5 W Luminous efficacy = 165.4 lm/W	serial documentation 15.11.2019
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 703 cd/klm**



Classifications	
DIN 5040	A 4 0
CIE	N1=55 N2=89 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: 51TL19CN48XF EAN: 4058352210239	LP number 58532_18
---	--	-------------------------------------

sITeco

Table of values for luminous intensities	Maximum luminous intensity
---	-----------------------------------

C-planes γ	0° 180°	15° 165° 195° 345°	Luminous intensity in cd/klm					90° 270°	Phi-zone	Total Phi-zone
			30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	Luminous flux in lm/klm			
0°	116.4	116.4	116.4	116.4	116.4	116.4	116.4	116.4	0.7	0.7
5°	122.3	121.8	120.5	120.1	119.3	118.4	118.1	118.1	5.7	6.4
10°	152.3	149.6	141.1	133.1	127.4	124.1	123.2	123.2	12.9	19.3
15°	235.7	226.2	196.7	164.2	142.2	133.3	131.4	131.4	24.7	44.1
20°	400.4	377.8	306.4	227.1	167.8	143.8	139.7	139.7	46.6	90.7
25°	577.7	557.7	476.8	343.4	212.9	153.0	144.3	144.3	81.3	172.0
30°	636.1	636.8	610.4	517.3	280.0	157.9	140.6	140.6	118.3	290.3
35°	573.7	597.7	662.3	665.7	347.9	155.6	128.2	128.2	145.7	436.0
40°	436.2	470.5	613.4	703.5	376.1	144.6	111.4	111.4	151.6	587.6
45°	268.7	299.8	459.0	605.2	334.0	122.5	91.2	91.2	129.2	716.8
50°	149.1	168.3	276.5	419.8	259.3	97.4	69.0	69.0	93.1	809.9
55°	85.3	95.5	151.2	245.9	199.7	79.3	53.1	53.1	62.9	872.9
60°	59.3	63.7	88.0	138.5	152.7	65.0	42.1	42.1	44.2	917.1
65°	44.9	47.0	60.8	84.9	110.7	51.4	33.0	33.0	32.6	949.7
70°	31.7	33.1	42.5	56.3	76.3	38.4	24.7	24.7	23.6	973.3
75°	19.0	20.1	26.0	34.9	49.6	26.3	17.0	17.0	15.4	988.7
80°	8.8	9.4	12.7	18.2	27.0	15.2	9.8	9.8	8.3	997.0
85°	3.4	3.6	4.7	6.8	9.5	5.9	3.7	3.7	3.1	1000.0
90°	0.0	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	0.0	1000.0

Photometric test report

Family Licross® Recessed	Order number: 51TL19CN48XF EAN: 4058352210239	LP number 58532_18
------------------------------------	--	------------------------------

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	24.4	26.0	24.7	26.3	26.6	23.2	24.8	23.6	25.1	25.5
	3H	24.5	26.0	24.9	26.3	26.7	23.5	24.9	23.9	25.3	25.6
	4H	24.6	25.9	25.0	26.3	26.7	23.6	24.9	24.0	25.3	25.7
	6H	24.6	25.8	25.0	26.2	26.6	23.6	24.9	24.0	25.3	25.6
	8H	24.6	25.8	25.1	26.2	26.6	23.6	24.8	24.0	25.2	25.6
	12H	24.6	25.7	25.1	26.1	26.5	23.6	24.8	24.0	25.2	25.6
4H	2H	24.8	26.1	25.2	26.5	26.9	23.9	25.3	24.3	25.6	26.0
	3H	25.0	26.2	25.5	26.6	27.0	24.6	25.8	25.1	26.2	26.6
	4H	25.1	26.2	25.6	26.6	27.0	24.9	25.9	25.3	26.3	26.8
	6H	25.2	26.1	25.6	26.5	26.9	25.0	25.9	25.5	26.3	26.8
	8H	25.2	26.0	25.7	26.4	26.9	25.0	25.9	25.5	26.3	26.8
	12H	25.2	25.9	25.7	26.4	26.8	25.0	25.8	25.5	26.2	26.7
8H	4H	25.3	26.1	25.8	26.6	27.0	25.1	25.9	25.6	26.3	26.8
	6H	25.4	26.0	25.9	26.5	27.0	25.4	26.1	25.9	26.5	27.0
	8H	25.4	26.0	25.9	26.5	27.0	25.5	26.1	26.0	26.6	27.1
	12H	25.4	25.9	25.9	26.4	26.9	25.5	26.0	26.0	26.5	27.1
12H	4H	25.3	26.1	25.8	26.5	27.0	25.1	25.8	25.6	26.3	26.8
	6H	25.4	26.0	25.9	26.5	27.0	25.4	26.0	25.9	26.5	27.0
	8H	25.4	25.9	25.9	26.4	27.0	25.5	26.0	26.1	26.5	27.1

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

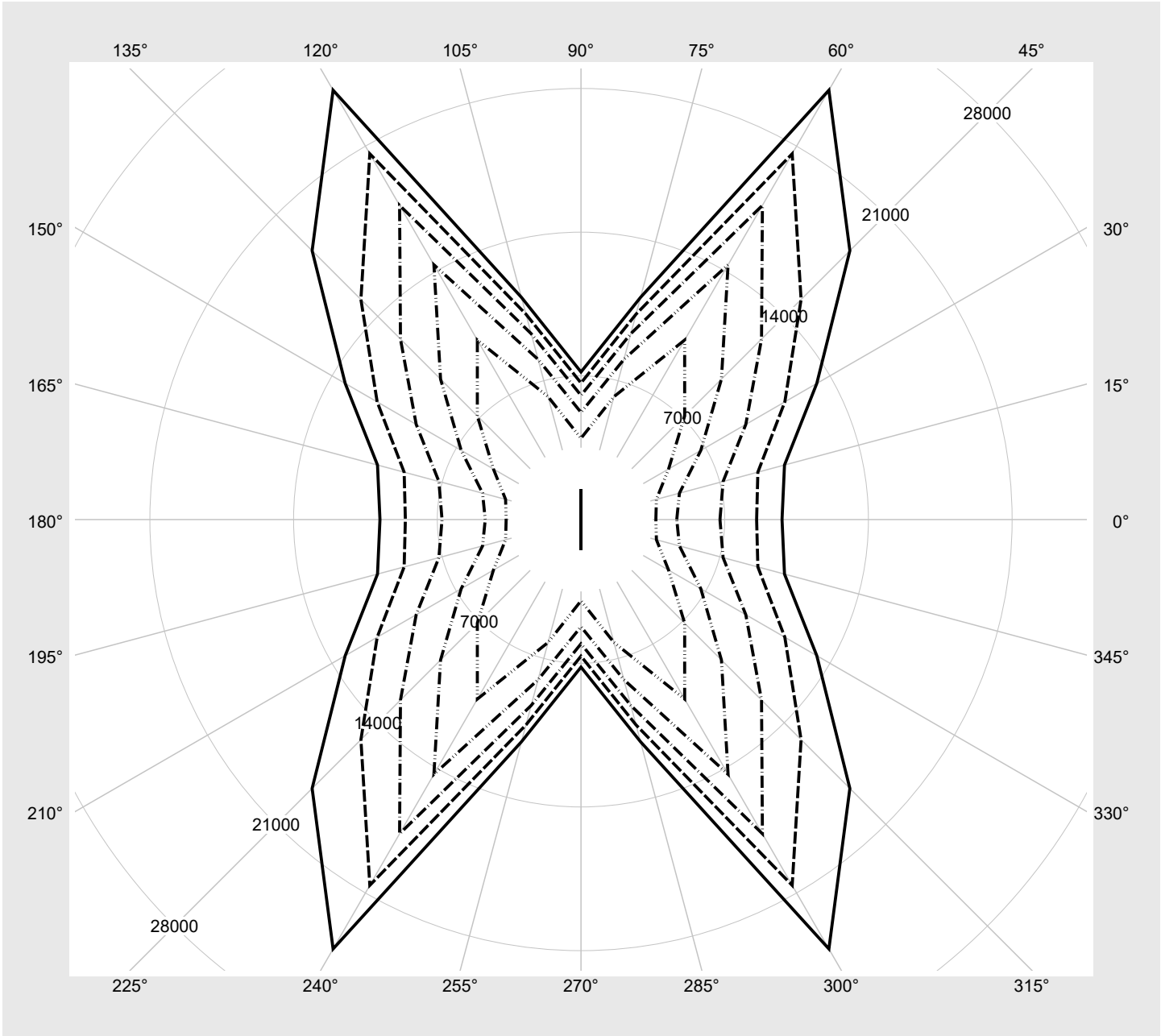
C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
	45°	35025.2	39078.9	59840.6	78894.2	43538.7	15971.6	11887.7	
	50°	21377.8	24141.8	39657.3	60200.1	37189.8	13970.7	9892.2	
	55°	13715.5	15347.6	24303.6	39524.8	32094.4	12737.7	8528.2	
	60°	10931.9	11753.1	16226.0	25528.9	28148.4	11992.6	7762.8	
	65°	9792.5	10262.4	13262.5	18521.3	24151.1	11205.6	7188.8	
	70°	8554.8	8918.9	11464.6	15161.2	20574.1	10356.6	6652.8	
	75°	6769.4	7166.5	9269.4	12436.4	17673.9	9374.1	6051.7	
	80°	4664.7	4964.1	6738.8	9674.0	14329.1	8078.7	5221.1	
	85°	3645.9	3803.5	4926.7	7141.5	10097.8	6196.0	3960.0	

Photometric test report

Family Licross® Recessed	Order number: 51TL19CN48XF EAN: 4058352210239	LP number 58532_18
---	--	-------------------------------------

Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



Photometric test report

Family Licross® Recessed	Order number: 51TL19CN48XF EAN: 4058352210239	LP number 58532_18
------------------------------------	--	------------------------------

Multilumen Table	environmental temperature: 25°C	sITeco
-------------------------	---------------------------------	---------------

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption	Power consumption
	1	2	3			end of lifetime [W]	average [W]
1	A	C	E	8020	48.5	53.0	50.8
2	A	C	F	7620	45.8	50.7	48.2
3	A	D	E	7140	42.7	47.1	44.9
4	A	D	F	6590	39.1	43.1	41.1
5	B	C	E	6170	36.5	39.9	38.2
6	B	C	F	5610	33.0	36.0	34.5
7	B	D	E	5110	29.9	32.5	31.2
8	B	D	F	4610	26.9	29.4	28.2