
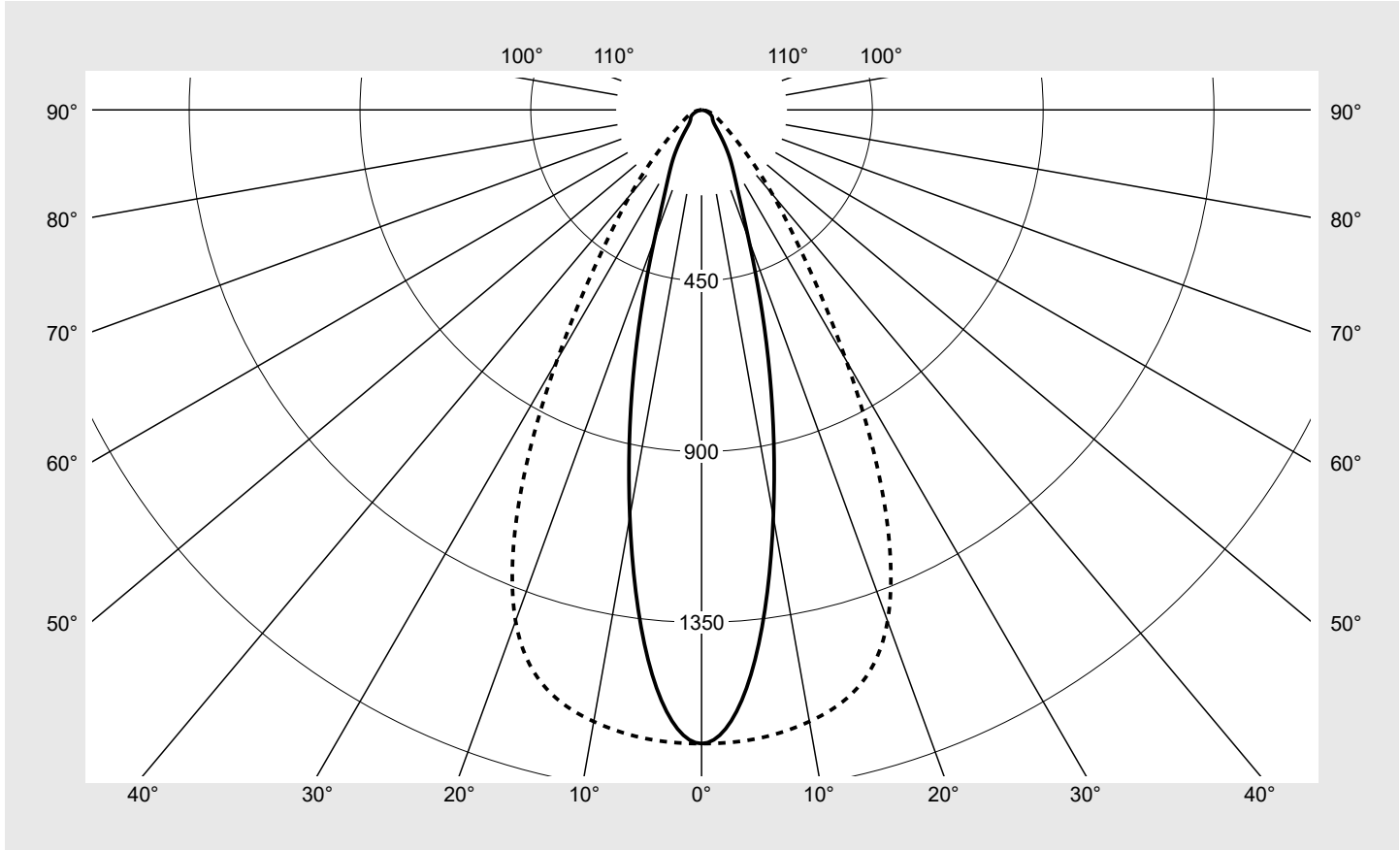


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL1EMN495G EAN: 4058352940891	LP number 59263_241
	Version cover frosted, elliptical narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 9950 lm Power consumption = 55.2 W Luminous efficacy = 180.3 lm/W	serial documentation 11.10.2023



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 1670 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=85 N2=95 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® 11 Recessed	Order number: 51TL1EMN495G EAN: 4058352940891	LP number 59263_241
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°	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	10.0	10.0
5°	1493.3	1495.6	1516.6	1565.9	1616.3	1649.8	1662.9	75.0	85.0
10°	1088.5	1106.7	1175.0	1303.4	1460.6	1586.1	1636.2	126.8	211.8
15°	678.3	712.7	825.0	1006.5	1239.9	1474.8	1578.7	151.0	362.9
20°	362.1	388.9	492.0	707.6	980.6	1275.8	1432.9	148.2	511.0
25°	217.8	231.1	285.8	436.7	705.9	972.9	1137.5	127.8	638.8
30°	151.3	158.5	185.3	264.1	455.8	646.3	761.7	99.0	737.8
35°	95.4	107.0	131.3	171.8	268.4	391.1	463.8	70.7	808.5
40°	57.7	64.5	93.9	120.6	157.9	239.7	291.4	50.0	858.5
45°	43.5	45.9	58.2	86.3	99.5	145.4	176.9	35.2	893.7
50°	37.7	39.0	42.8	61.0	68.3	89.3	109.1	26.2	919.9
55°	34.6	35.0	36.7	43.5	50.5	59.6	73.7	20.9	940.8
60°	30.2	31.1	32.8	34.2	38.6	42.0	53.5	17.5	958.3
65°	23.9	25.4	29.1	28.1	30.1	30.8	41.3	14.6	972.8
70°	17.0	18.4	22.5	23.3	23.4	22.7	30.8	11.5	984.3
75°	10.9	12.0	16.2	17.9	17.4	15.7	20.7	8.4	992.7
80°	6.2	6.7	9.0	10.7	11.0	9.3	11.6	5.0	997.7
85°	3.1	3.3	4.2	5.0	4.8	3.9	4.2	2.3	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® 11 Recessed	Order number: 51TL1EMN495G EAN: 4058352940891	LP number 59263_241
---------------------------------------	--	-------------------------------

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	15.1	16.4	15.5	16.7	17.0	20.1	21.4	20.5	21.7	22.0
	3H	16.3	17.4	16.7	17.7	18.1	20.7	21.8	21.1	22.1	22.5
	4H	16.7	17.7	17.1	18.1	18.4	21.0	22.0	21.4	22.3	22.7
	6H	16.9	17.8	17.3	18.2	18.6	21.2	22.1	21.6	22.5	22.8
	8H	17.1	17.9	17.5	18.3	18.7	21.4	22.1	21.8	22.5	22.9
	12H	17.1	17.9	17.5	18.3	18.7	21.4	22.1	21.8	22.5	22.9
4H	2H	16.0	16.9	16.4	17.3	17.6	20.1	21.2	20.5	21.5	21.9
	3H	17.4	18.2	17.8	18.6	19.0	20.8	21.7	21.3	22.1	22.5
	4H	17.9	18.6	18.3	19.0	19.5	21.2	22.0	21.7	22.4	22.8
	6H	18.2	18.8	18.6	19.3	19.7	21.5	22.1	22.0	22.6	23.0
	8H	18.3	18.9	18.8	19.3	19.8	21.6	22.2	22.1	22.6	23.1
	12H	18.4	18.9	18.9	19.4	19.9	21.7	22.2	22.2	22.6	23.1
8H	4H	18.4	18.9	18.9	19.4	19.8	21.3	21.9	21.8	22.3	22.8
	6H	18.8	19.3	19.3	19.7	20.3	21.7	22.2	22.2	22.7	23.2
	8H	19.0	19.4	19.5	19.9	20.4	21.8	22.3	22.4	22.7	23.3
	12H	19.1	19.4	19.6	19.9	20.5	21.9	22.3	22.5	22.8	23.3
12H	4H	18.4	18.9	18.9	19.3	19.8	21.3	21.8	21.8	22.3	22.8
	6H	18.9	19.3	19.4	19.8	20.3	21.7	22.1	22.2	22.6	23.1
	8H	19.1	19.5	19.6	20.0	20.5	21.9	22.2	22.4	22.7	23.3

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°	45°	7033.9	7419.8	9405.5	13954.6	16098.7	23517.1	28618.4	
50°	50°	6714.7	6935.5	7614.6	10859.6	12154.2	15894.0	19418.0	
55°	55°	6891.5	6975.0	7321.8	8668.7	10072.8	11889.1	14699.1	
60°	60°	6897.8	7124.4	7506.0	7828.9	8827.6	9602.6	12235.5	
65°	65°	6475.3	6866.6	7879.6	7606.8	8153.7	8329.3	11180.3	
70°	70°	5676.9	6140.4	7516.7	7798.6	7823.4	7579.6	10308.5	
75°	75°	4797.5	5306.6	7155.9	7924.3	7695.4	6955.7	9142.1	
80°	80°	4053.1	4383.1	5931.5	7018.9	7225.0	6117.2	7653.1	
85°	85°	4100.7	4373.6	5565.1	6596.5	6319.7	5109.8	5475.9	

Photometric test report

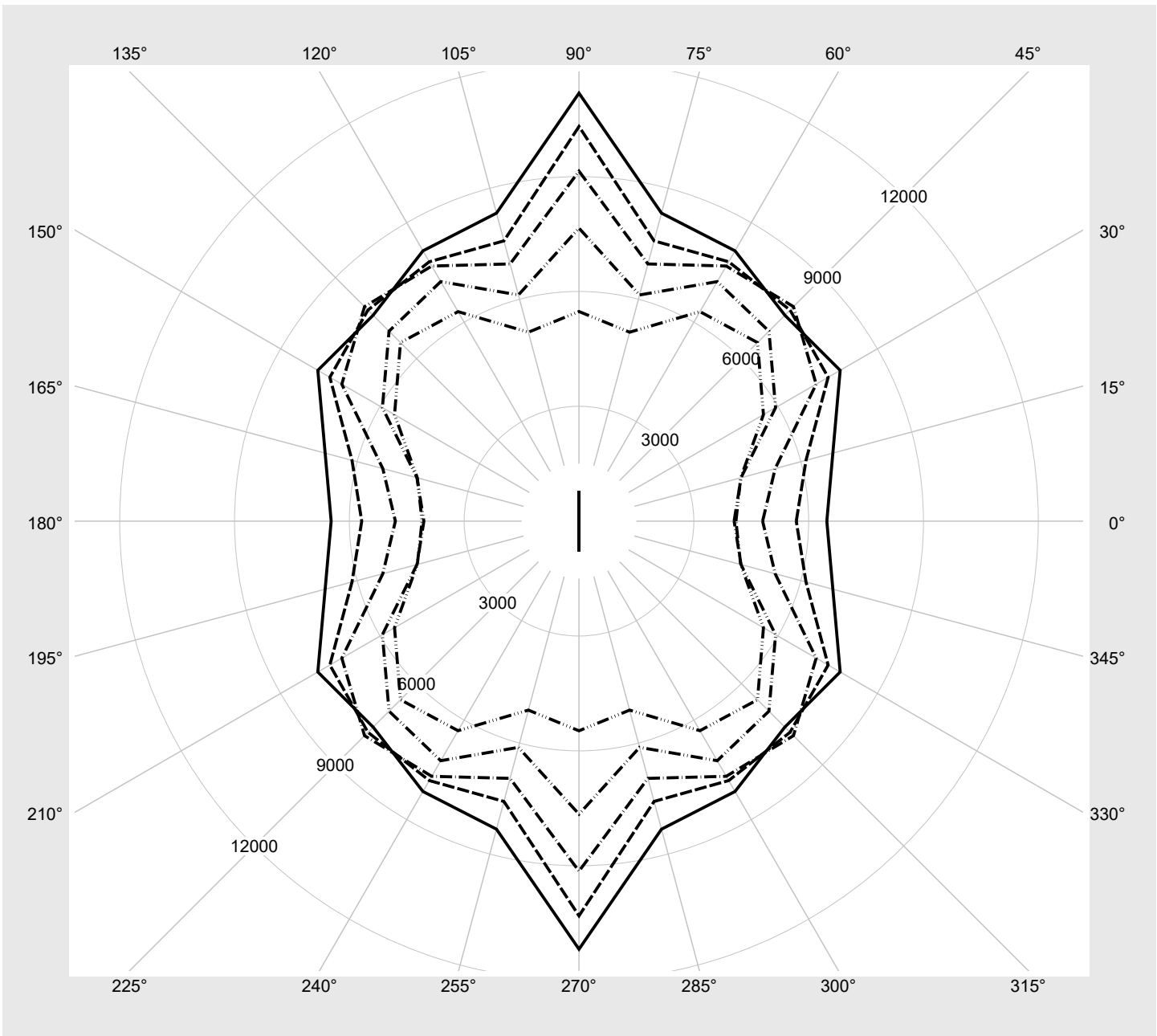
Family
Licross® 11 Recessed

Order number: 51TL1EMN495G
EAN: 4058352940891

LP number
59263_241

Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



Photometric test report

Family Licross® 11 Recessed	Order number: 51TL1EMN495G EAN: 4058352940891	LP number 59263_241
---------------------------------------	--	--------------------------------------

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

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	9950	55.2
2	A	C	F	9520	52.5
3	A	D	E	9000	49.3
4	A	D	F	8490	46.2
5	B	C	E	7740	41.7
6	B	C	F	7520	40.4
7	B	D	E	6980	37.4
8	B	D	F	6530	34.8