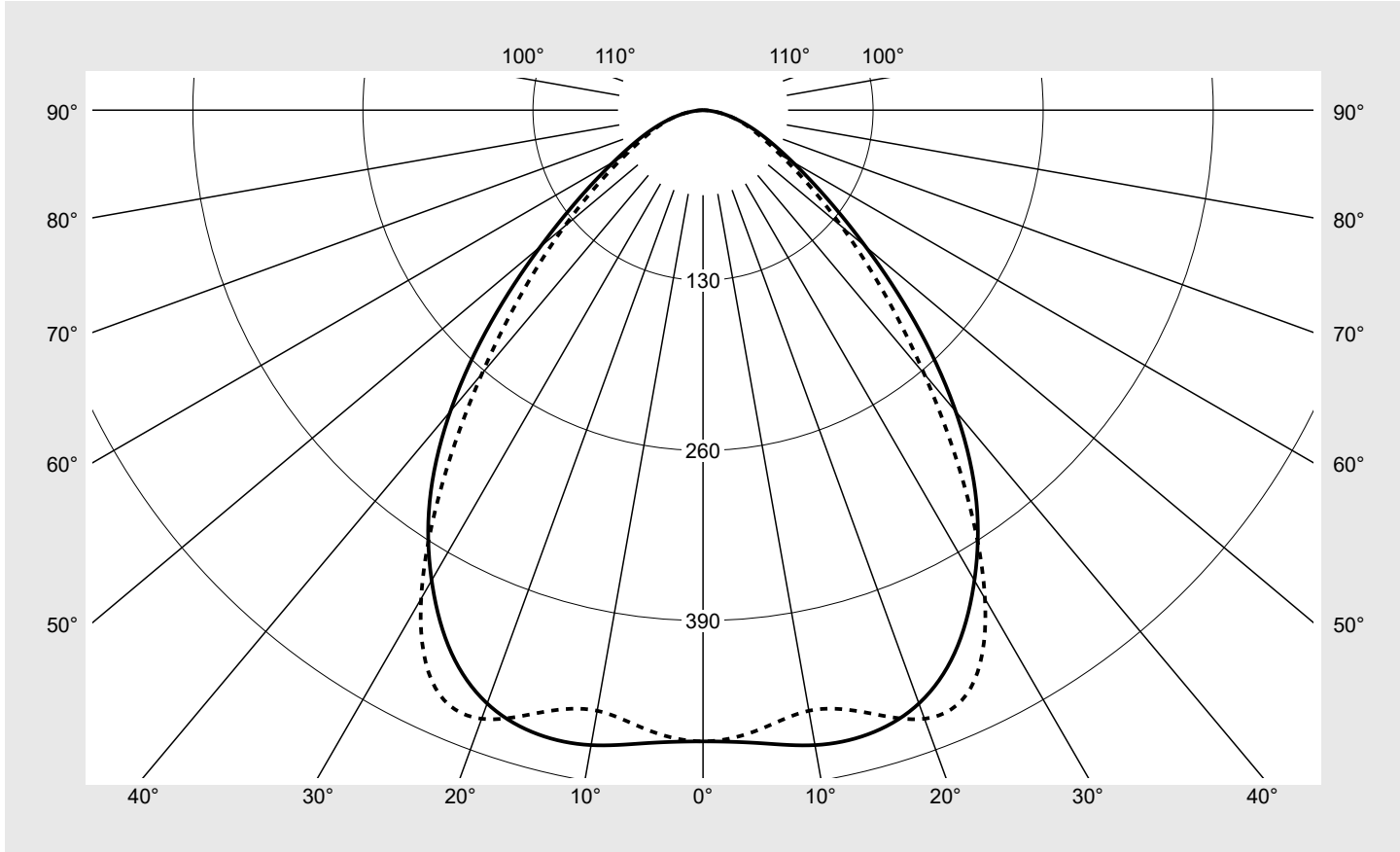


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL12DN49XF3C EAN: 4058352485224	LP number 58637_62										
	<table border="0"> <tr> <td>Version</td> <td>cover frosted, wide distribution, high visual comfort</td> </tr> <tr> <td>Lamps</td> <td>LED 4000 K CRI ≥ 80</td> </tr> <tr> <td>Controlgear</td> <td>ECG-DALI</td> </tr> <tr> <td>Setting</td> <td>emergency light operation: 3 h</td> </tr> <tr> <td>Rated values</td> <td> Net luminous flux = 890 lm Power consumption = 5.0 W Luminous efficacy = 178 lm/W </td> </tr> </table>	Version	cover frosted, wide distribution, high visual comfort	Lamps	LED 4000 K CRI ≥ 80	Controlgear	ECG-DALI	Setting	emergency light operation: 3 h	Rated values	Net luminous flux = 890 lm Power consumption = 5.0 W Luminous efficacy = 178 lm/W	serial documentation 04.05.2021 
Version	cover frosted, wide distribution, high visual comfort											
Lamps	LED 4000 K CRI ≥ 80											
Controlgear	ECG-DALI											
Setting	emergency light operation: 3 h											
Rated values	Net luminous flux = 890 lm Power consumption = 5.0 W Luminous efficacy = 178 lm/W											

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 498 cd/klm**



Classifications	
DIN 5040	A 5 0
CIE	N1=67 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

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Table of values for luminous intensities		Maximum luminous intensity



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°	482.3	482.3	482.3	482.3	482.3	482.3	482.3	2.9	2.9
5°	485.4	482.8	478.2	477.5	477.4	475.9	475.7	22.9	25.8
10°	492.7	488.2	477.9	471.3	467.6	465.9	466.0	45.2	71.0
15°	493.2	486.1	471.9	467.9	471.0	473.7	476.3	67.5	138.5
20°	482.5	473.5	462.5	471.9	487.1	492.8	494.9	89.9	228.4
25°	456.4	447.1	449.2	479.4	497.6	491.1	485.8	109.5	337.8
30°	414.9	406.8	427.0	475.1	479.0	447.1	431.1	121.4	459.2
35°	364.2	358.0	387.7	436.7	420.7	368.9	346.8	122.0	581.2
40°	300.5	296.3	322.5	357.9	336.0	284.8	262.9	110.4	691.6
45°	229.2	226.3	238.5	259.8	247.2	211.8	193.4	90.1	781.7
50°	162.3	159.3	161.6	173.6	174.5	155.2	138.5	68.2	849.9
55°	112.5	108.0	105.1	112.3	121.6	110.9	97.2	49.6	899.5
60°	78.7	73.1	68.3	73.1	83.7	77.4	68.5	35.5	935.0
65°	56.0	50.2	45.0	48.4	56.8	54.5	49.6	25.5	960.5
70°	39.5	34.5	29.5	32.1	37.8	38.5	36.6	18.1	978.6
75°	26.0	22.0	18.4	20.2	23.9	25.9	25.8	12.0	990.6
80°	14.9	12.2	9.9	10.8	13.0	14.8	15.3	6.8	997.4
85°	5.4	4.3	3.6	4.0	4.7	5.6	5.8	2.5	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

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Family Licross® 11 Recessed	Order number: 51TL12DN49XF3C EAN: 4058352485224	LP number 58637_62
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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	14.2	15.7	14.6	16.0	16.3	14.3	15.8	14.7	16.1	16.4
	3H	14.7	16.1	15.1	16.4	16.8	14.9	16.2	15.2	16.5	16.9
	4H	15.0	16.2	15.4	16.5	16.9	15.1	16.3	15.5	16.7	17.1
	6H	15.1	16.3	15.5	16.6	17.0	15.3	16.4	15.7	16.8	17.2
	8H	15.2	16.3	15.7	16.6	17.0	15.4	16.4	15.8	16.8	17.2
	12H	15.3	16.2	15.7	16.6	17.0	15.4	16.4	15.9	16.8	17.2
4H	2H	14.4	15.7	14.8	16.0	16.4	14.5	15.8	14.9	16.1	16.5
	3H	15.1	16.1	15.5	16.5	16.9	15.2	16.3	15.7	16.7	17.1
	4H	15.3	16.2	15.8	16.7	17.1	15.6	16.5	16.0	16.9	17.3
	6H	15.6	16.3	16.0	16.8	17.2	15.9	16.7	16.3	17.1	17.5
	8H	15.6	16.4	16.1	16.8	17.3	16.0	16.7	16.4	17.1	17.6
	12H	15.7	16.3	16.2	16.8	17.3	16.0	16.7	16.5	17.1	17.6
8H	4H	15.4	16.1	15.9	16.6	17.0	15.6	16.3	16.1	16.8	17.3
	6H	15.7	16.2	16.2	16.7	17.2	16.0	16.6	16.5	17.0	17.5
	8H	15.7	16.3	16.3	16.8	17.3	16.1	16.6	16.6	17.1	17.6
	12H	15.8	16.3	16.3	16.8	17.3	16.2	16.6	16.7	17.1	17.7
12H	4H	15.4	16.0	15.9	16.5	17.0	15.6	16.3	16.1	16.7	17.2
	6H	15.7	16.2	16.2	16.7	17.2	16.0	16.5	16.5	17.0	17.5
	8H	15.8	16.2	16.3	16.7	17.2	16.1	16.6	16.6	17.1	17.6

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500 B = 58
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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°		3315.2	3274.0	3450.6	3758.4	3575.8	3064.7	2797.3	
50°		2583.0	2535.9	2571.9	2763.4	2777.7	2470.5	2204.3	
55°		2006.1	1926.0	1874.7	2003.7	2169.5	1978.8	1733.2	
60°		1610.4	1496.4	1397.9	1496.3	1711.6	1582.9	1400.5	
65°		1356.4	1214.1	1090.0	1172.4	1375.1	1319.2	1201.6	
70°		1181.0	1031.4	882.9	960.0	1130.1	1152.1	1095.7	
75°		1026.3	870.5	728.6	798.2	943.4	1024.7	1019.2	
80°		875.5	717.4	582.0	637.3	763.1	874.4	902.5	
85°		628.0	508.0	420.9	467.7	553.7	653.2	680.4	

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

