

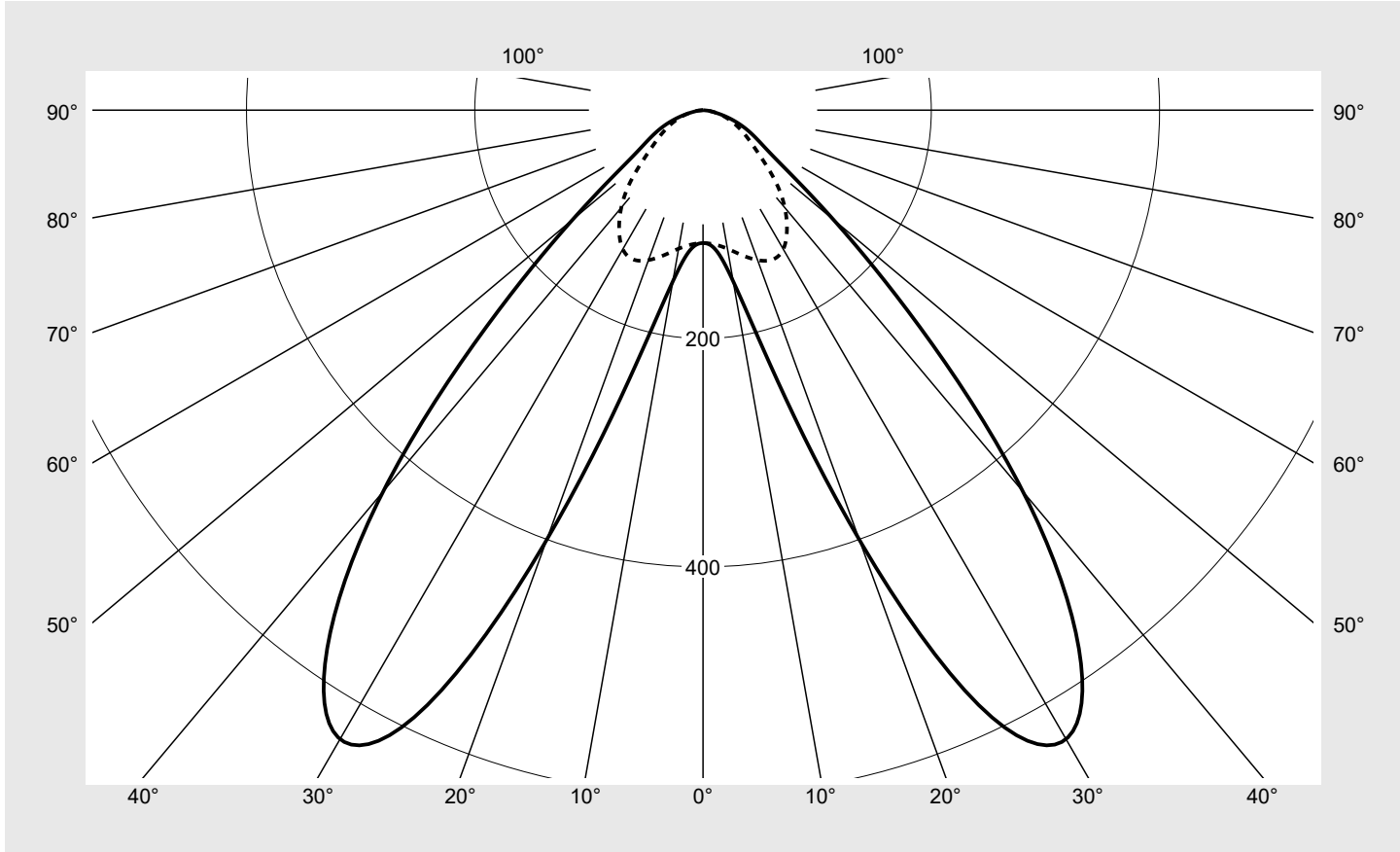


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL19DN49XFD EAN: 4058352418352	LP number 58532_27										
	<table border="0"> <tr> <td>Version</td> <td>cover frosted, double asymmetric distribution</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>DC mode (central or group accumulator) initial emergency light level</td> </tr> <tr> <td>Rated values</td> <td> Net luminous flux = 1430 lm Power consumption = 10.0 W Luminous efficacy = 143 lm/W </td> </tr> </table>	Version	cover frosted, double asymmetric distribution	Lamps	LED 4000 K CRI ≥ 80	Controlgear	ECG-DALI	Setting	DC mode (central or group accumulator) initial emergency light level	Rated values	Net luminous flux = 1430 lm Power consumption = 10.0 W Luminous efficacy = 143 lm/W	serial documentation 26.08.2020 
Version	cover frosted, double asymmetric distribution											
Lamps	LED 4000 K CRI ≥ 80											
Controlgear	ECG-DALI											
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Rated values	Net luminous flux = 1430 lm Power consumption = 10.0 W Luminous efficacy = 143 lm/W											

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

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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°	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	5.7	6.4
10°	152.3	149.6	141.1	133.1	127.4	124.1	123.2	12.9	19.3
15°	235.7	226.2	196.7	164.2	142.2	133.3	131.4	24.7	44.1
20°	400.4	377.8	306.4	227.1	167.8	143.8	139.7	46.6	90.7
25°	577.7	557.7	476.8	343.4	212.9	153.0	144.3	81.3	172.0
30°	636.1	636.8	610.4	517.3	280.0	157.9	140.6	118.3	290.3
35°	573.7	597.7	662.3	665.7	347.9	155.6	128.2	145.7	436.0
40°	436.2	470.5	613.4	703.5	376.1	144.6	111.4	151.6	587.6
45°	268.7	299.8	459.0	605.2	334.0	122.5	91.2	129.2	716.8
50°	149.1	168.3	276.5	419.8	259.3	97.4	69.0	93.1	809.9
55°	85.3	95.5	151.2	245.9	199.7	79.3	53.1	62.9	872.9
60°	59.3	63.7	88.0	138.5	152.7	65.0	42.1	44.2	917.1
65°	44.9	47.0	60.8	84.9	110.7	51.4	33.0	32.6	949.7
70°	31.7	33.1	42.5	56.3	76.3	38.4	24.7	23.6	973.3
75°	19.0	20.1	26.0	34.9	49.6	26.3	17.0	15.4	988.7
80°	8.8	9.4	12.7	18.2	27.0	15.2	9.8	8.3	997.0
85°	3.4	3.6	4.7	6.8	9.5	5.9	3.7	3.1	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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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	18.4	20.0	18.7	20.3	20.6	17.2	18.8	17.6	19.2	19.5
	3H	18.6	20.0	18.9	20.3	20.7	17.5	19.0	17.9	19.3	19.6
	4H	18.6	19.9	19.0	20.3	20.7	17.6	19.0	18.0	19.3	19.7
	6H	18.6	19.8	19.0	20.2	20.6	17.6	18.9	18.0	19.3	19.7
	8H	18.7	19.8	19.1	20.2	20.6	17.6	18.8	18.0	19.2	19.6
	12H	18.6	19.7	19.1	20.1	20.5	17.6	18.8	18.0	19.2	19.6
4H	2H	18.8	20.1	19.2	20.5	20.9	17.9	19.3	18.3	19.6	20.0
	3H	19.1	20.2	19.5	20.6	21.0	18.7	19.8	19.1	20.2	20.6
	4H	19.2	20.2	19.6	20.6	21.0	18.9	19.9	19.3	20.3	20.8
	6H	19.2	20.1	19.7	20.5	21.0	19.0	19.9	19.5	20.3	20.8
	8H	19.2	20.0	19.7	20.4	20.9	19.0	19.9	19.5	20.3	20.8
	12H	19.2	19.9	19.7	20.4	20.9	19.0	19.8	19.5	20.2	20.7
8H	4H	19.3	20.1	19.8	20.6	21.0	19.1	19.9	19.6	20.3	20.8
	6H	19.4	20.1	19.9	20.5	21.0	19.4	20.1	19.9	20.5	21.0
	8H	19.4	20.0	19.9	20.5	21.0	19.5	20.1	20.0	20.6	21.1
	12H	19.4	19.9	19.9	20.4	20.9	19.5	20.0	20.0	20.5	21.1
12H	4H	19.3	20.1	19.8	20.5	21.0	19.1	19.8	19.6	20.3	20.8
	6H	19.4	20.0	19.9	20.5	21.0	19.4	20.0	19.9	20.5	21.0
	8H	19.4	19.9	20.0	20.4	21.0	19.5	20.0	20.1	20.5	21.1

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°	6245.2	6967.9	10669.8	14067.2	7763.1	2847.8	2119.6	
	50°	3811.8	4304.6	7071.1	10733.9	6631.1	2491.0	1763.8	
	55°	2445.5	2736.5	4333.4	7047.4	5722.6	2271.2	1520.6	
	60°	1949.2	2095.6	2893.2	4551.9	5019.0	2138.3	1384.1	
	65°	1746.1	1829.8	2364.8	3302.4	4306.2	1998.0	1281.8	
	70°	1525.4	1590.3	2044.2	2703.3	3668.5	1846.6	1186.2	
	75°	1207.0	1277.8	1652.8	2217.5	3151.3	1671.4	1079.0	
	80°	831.7	885.1	1201.6	1724.9	2554.9	1440.5	930.9	
	85°	650.1	678.2	878.5	1273.4	1800.5	1104.8	706.1	

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Luminance values in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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