



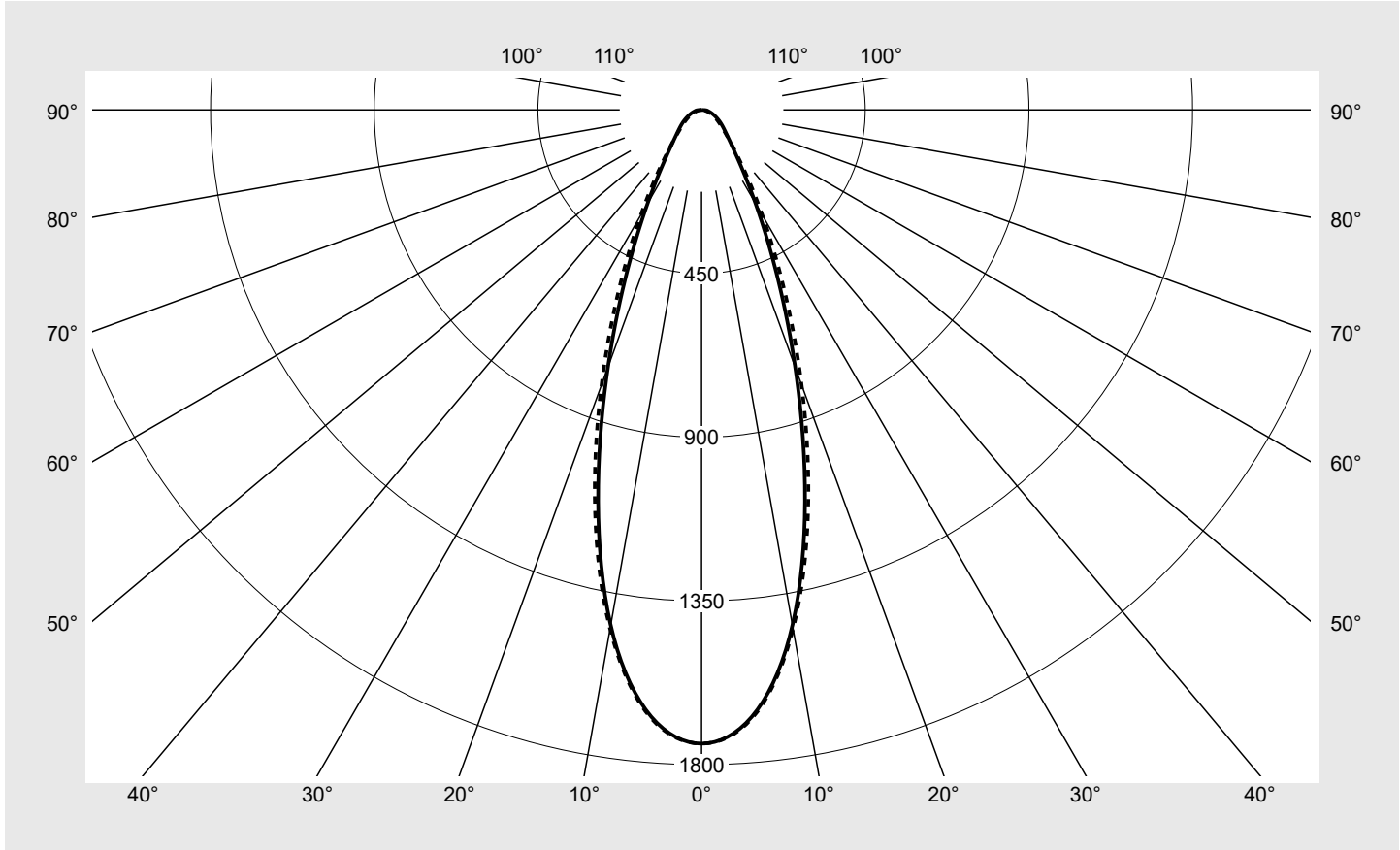
Photometric test report

Family Licross® 11 Protected	Order number: 51TD117N485G EAN: 4058352928493	LP number 58526_231
	Version prismatic cover, frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Rated values Net luminous flux = 8680 lm Power consumption = 48.6 W Luminous efficacy = 178.6 lm/W	serial documentation 11.10.2023





Luminous intensity in cd/klm C180-0 C270-90 **Imax: 1742 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=83 N2=94 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°	1742.2	1742.2	1742.2	1742.2	1742.2	1742.2	1742.2	10.4	10.4
5°	1666.1	1675.3	1660.6	1665.8	1671.6	1669.6	1670.7	79.7	90.1
10°	1438.7	1454.0	1443.6	1449.9	1452.8	1449.1	1448.5	137.9	228.0
15°	1099.0	1113.1	1114.3	1128.7	1137.3	1134.2	1132.4	159.4	387.5
20°	752.6	761.9	768.4	788.3	803.8	805.8	803.7	147.1	534.5
25°	477.8	482.8	489.1	506.4	523.2	529.8	529.1	117.2	651.7
30°	296.4	297.2	300.0	310.9	324.6	332.2	333.5	85.9	737.6
35°	189.3	187.5	185.3	189.4	198.7	205.9	208.7	61.1	798.7
40°	131.6	127.9	121.5	120.2	125.3	132.4	136.6	44.7	843.4
45°	99.4	94.4	85.5	81.0	83.2	90.3	95.8	34.4	877.7
50°	79.8	74.4	64.7	58.7	59.3	65.8	72.1	27.9	905.7
55°	65.2	60.1	51.3	45.2	44.8	50.3	56.0	23.4	929.0
60°	52.4	48.1	41.3	36.1	35.0	38.9	43.4	19.6	948.6
65°	41.2	37.9	33.1	29.2	27.7	29.8	32.8	16.1	964.7
70°	31.9	29.5	26.2	23.4	21.7	22.1	23.6	12.9	977.6
75°	24.4	22.6	20.2	18.2	16.5	15.4	15.7	10.0	987.6
80°	18.3	17.0	15.2	13.6	11.8	9.9	9.2	7.3	994.9
85°	13.3	12.5	11.1	9.7	7.7	5.4	4.2	5.0	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	16.1	17.3	16.4	17.6	18.0	15.9	17.2	16.3	17.5	17.8
	3H	17.2	18.3	17.6	18.6	19.0	16.8	17.9	17.2	18.3	18.6
	4H	17.7	18.7	18.1	19.1	19.5	17.2	18.2	17.6	18.6	19.0
	6H	18.2	19.1	18.6	19.5	19.9	17.5	18.4	17.9	18.8	19.2
	8H	18.6	19.3	19.0	19.7	20.1	17.7	18.5	18.1	18.9	19.3
	12H	18.8	19.5	19.2	19.9	20.3	17.8	18.5	18.2	18.9	19.3
4H	2H	16.3	17.3	16.7	17.7	18.1	16.2	17.2	16.6	17.6	17.9
	3H	17.6	18.5	18.1	18.9	19.3	17.2	18.1	17.7	18.5	18.9
	4H	18.3	19.0	18.7	19.4	19.9	17.7	18.5	18.2	18.9	19.3
	6H	18.9	19.6	19.4	20.0	20.5	18.1	18.8	18.6	19.2	19.7
	8H	19.3	19.8	19.7	20.3	20.7	18.3	18.9	18.8	19.3	19.8
	12H	19.6	20.1	20.1	20.5	21.0	18.4	18.9	18.9	19.4	19.9
8H	4H	18.4	19.0	18.9	19.5	19.9	17.9	18.5	18.4	19.0	19.4
	6H	19.2	19.7	19.7	20.2	20.7	18.5	18.9	19.0	19.4	19.9
	8H	19.6	20.1	20.1	20.5	21.1	18.7	19.1	19.2	19.6	20.1
	12H	20.1	20.4	20.6	20.9	21.5	18.9	19.2	19.4	19.7	20.3
12H	4H	18.5	18.9	19.0	19.4	19.9	18.0	18.5	18.5	18.9	19.4
	6H	19.3	19.7	19.8	20.2	20.7	18.6	18.9	19.1	19.4	20.0
	8H	19.8	20.1	20.3	20.6	21.1	18.8	19.2	19.4	19.7	20.2

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 13	H(C180) = 13
			B = 78	H(C90) = 0	H(C270) = 0

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°	9062.2	8646.9	7942.4	7707.6	8170.7	9203.9	10183.1	
50°	50°	7787.8	7298.6	6459.1	6022.6	6308.6	7325.3	8432.2	
55°	55°	6900.8	6402.3	5578.7	5071.2	5251.2	6209.9	7346.3	
60°	60°	6112.9	5661.7	4970.5	4503.5	4594.2	5444.5	6524.4	
65°	65°	5403.6	5017.8	4501.8	4145.1	4177.6	4859.8	5840.5	
70°	70°	4814.7	4490.7	4124.0	3881.7	3889.9	4335.7	5181.7	
75°	75°	4371.1	4101.4	3823.0	3671.8	3659.4	3860.0	4574.4	
80°	80°	4065.1	3846.1	3615.3	3533.1	3461.7	3441.0	3978.5	
85°	85°	3940.9	3801.0	3616.5	3565.8	3422.6	3138.7	3590.6	

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**

