
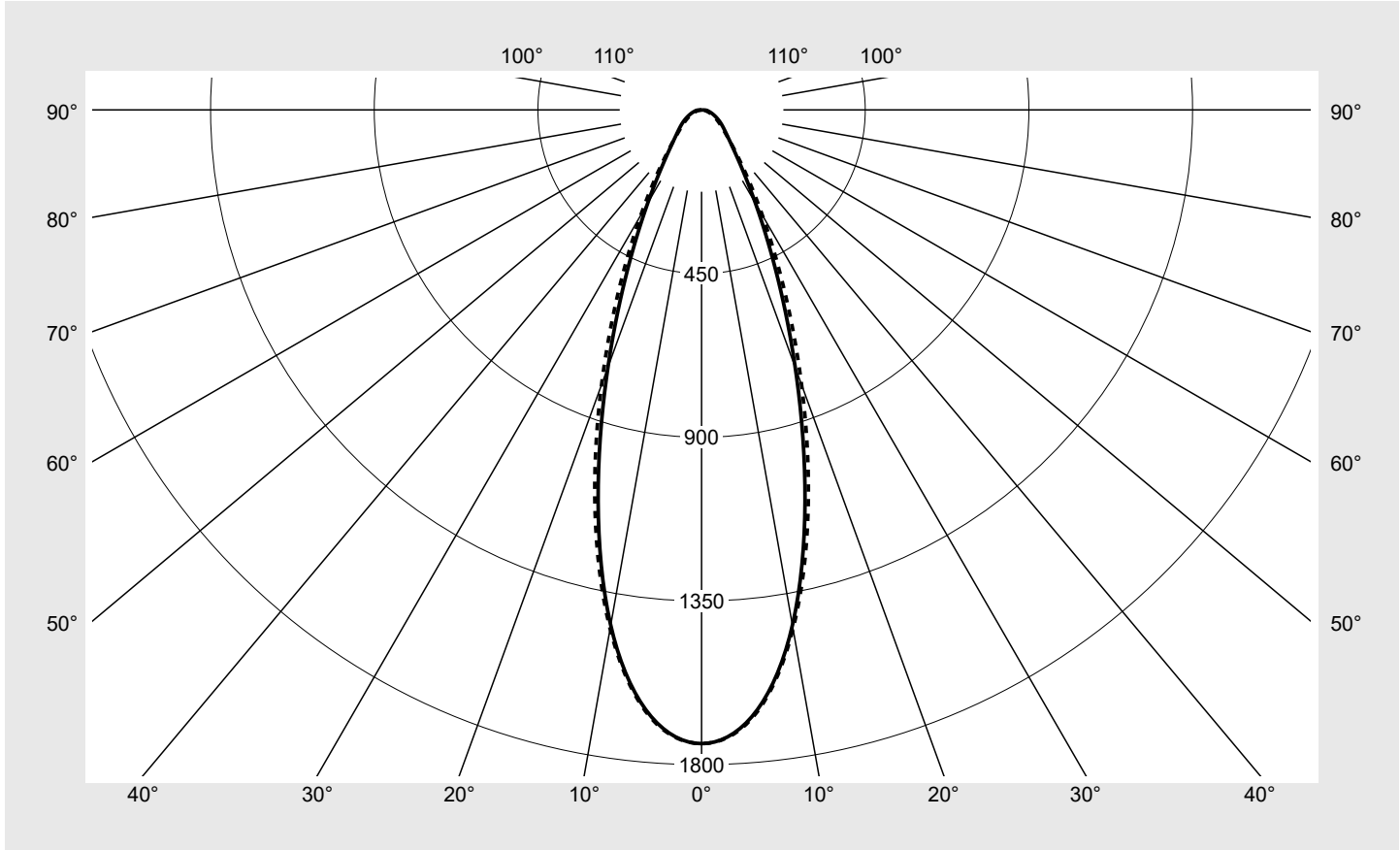


Photometric test report

Family Licross® 11 Protected	Order number: 51TD11DN495G EAN: 4058352928547	LP number 58526_212
	Version prismatic cover, frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 9930 lm Power consumption = 57.1 W Luminous efficacy = 173.9 lm/W	serial documentation 14.09.2023
		

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
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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	16.6	17.8	16.9	18.1	18.4	16.4	17.7	16.8	18.0	18.3
	3H	17.7	18.8	18.0	19.1	19.5	17.3	18.4	17.7	18.7	19.1
	4H	18.2	19.2	18.6	19.6	19.9	17.7	18.7	18.1	19.0	19.4
	6H	18.7	19.6	19.1	20.0	20.4	18.0	18.9	18.4	19.3	19.6
	8H	19.0	19.8	19.4	20.2	20.6	18.2	18.9	18.6	19.3	19.7
	12H	19.2	20.0	19.7	20.3	20.8	18.2	18.9	18.7	19.3	19.8
4H	2H	16.8	17.8	17.2	18.2	18.5	16.7	17.7	17.1	18.0	18.4
	3H	18.1	18.9	18.5	19.3	19.7	17.7	18.6	18.1	18.9	19.4
	4H	18.7	19.5	19.2	19.9	20.4	18.2	18.9	18.6	19.4	19.8
	6H	19.4	20.0	19.9	20.5	20.9	18.6	19.2	19.1	19.7	20.1
	8H	19.7	20.3	20.2	20.7	21.2	18.8	19.3	19.2	19.8	20.3
	12H	20.1	20.5	20.6	21.0	21.5	18.9	19.4	19.4	19.8	20.3
8H	4H	18.9	19.5	19.4	19.9	20.4	18.4	19.0	18.9	19.4	19.9
	6H	19.7	20.2	20.2	20.6	21.1	18.9	19.4	19.4	19.9	20.4
	8H	20.1	20.5	20.6	21.0	21.5	19.2	19.6	19.7	20.1	20.6
	12H	20.6	20.9	21.1	21.4	22.0	19.4	19.7	19.9	20.2	20.7
12H	4H	19.0	19.4	19.4	19.9	20.4	18.5	18.9	19.0	19.4	19.9
	6H	19.8	20.1	20.3	20.6	21.2	19.0	19.4	19.6	19.9	20.4
	8H	20.2	20.6	20.8	21.1	21.6	19.3	19.6	19.8	20.1	20.7

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°		10367.2	9892.1	9086.2	8817.6	9347.3	10529.4	11649.6	
50°		8909.3	8349.7	7389.3	6889.9	7217.1	8380.3	9646.5	
55°		7894.5	7324.2	6382.0	5801.5	6007.4	7104.1	8404.3	
60°		6993.2	6477.0	5686.3	5152.0	5255.8	6228.6	7464.0	
65°		6181.8	5740.4	5150.1	4742.0	4779.2	5559.7	6681.5	
70°		5508.0	5137.4	4717.9	4440.7	4450.0	4960.0	5927.9	
75°		5000.6	4692.1	4373.5	4200.6	4186.4	4415.9	5233.2	
80°		4650.5	4400.0	4136.0	4041.9	3960.3	3936.6	4551.4	
85°		4508.4	4348.4	4137.3	4079.4	3915.5	3590.7	4107.7	

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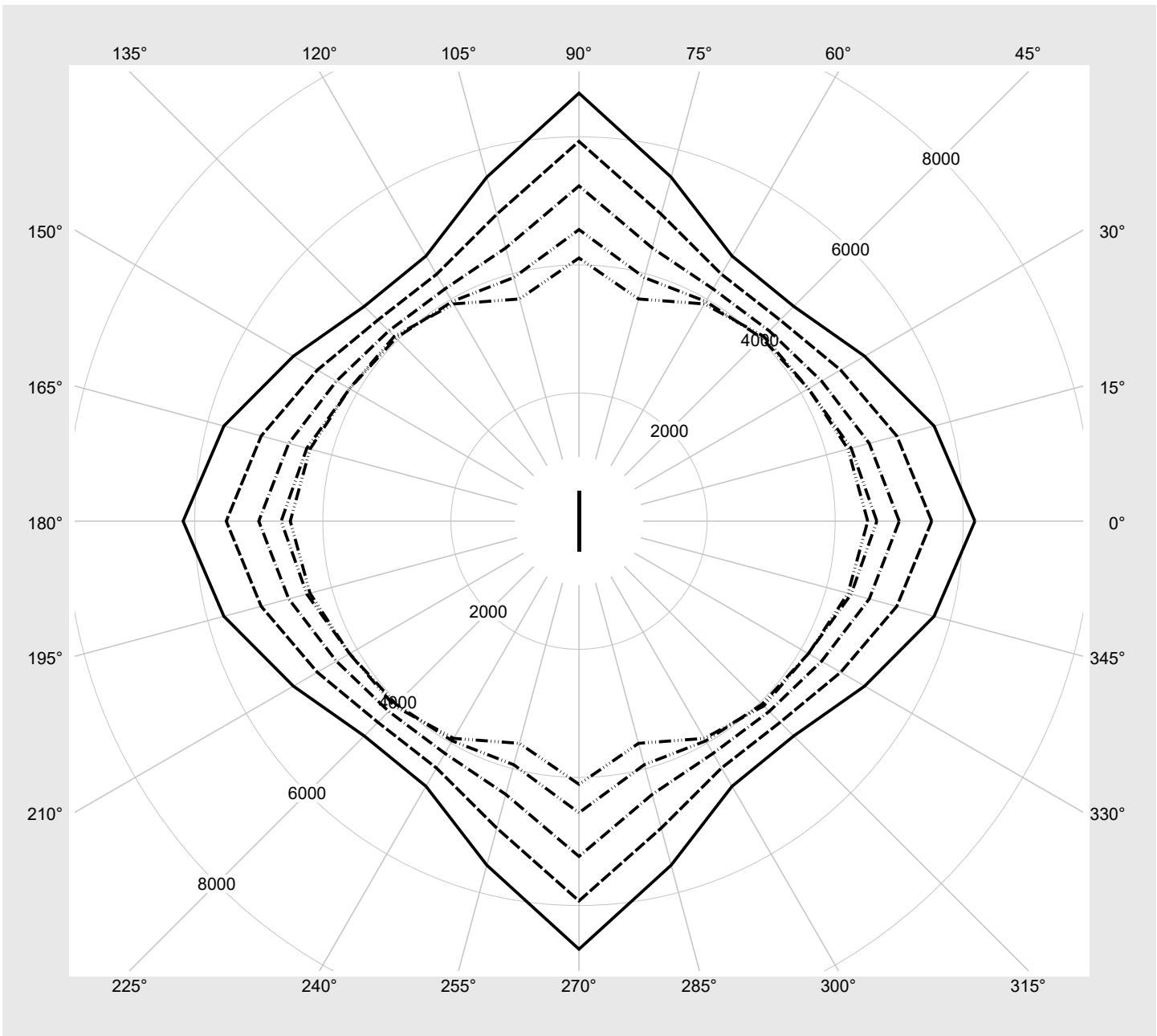
Family
Licross® 11 Protected

Order number: 51TD11DN495G
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LP number
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	9930	57.1
95	240	252	9427	53.8
90	226	250	8919	50.7
85	213	248	8441	47.7
80	200	245	7960	44.8
75	186	243	7437	41.7
70	173	240	6947	38.7
65	160	237	6452	35.9
60	147	234	5954	33.0
55	134	231	5453	30.1
50	122	227	4982	27.5
45	109	223	4471	24.7
40	96	218	3955	22.0
35	84	213	3475	19.5
30	72	208	2987	17.0
25	60	201	2499	14.5
20	47	192	1966	11.7
15	36	182	1510	9.4
10	24	168	1008	6.9
5	12	142	500	4.5
2	4	102	161	3.0