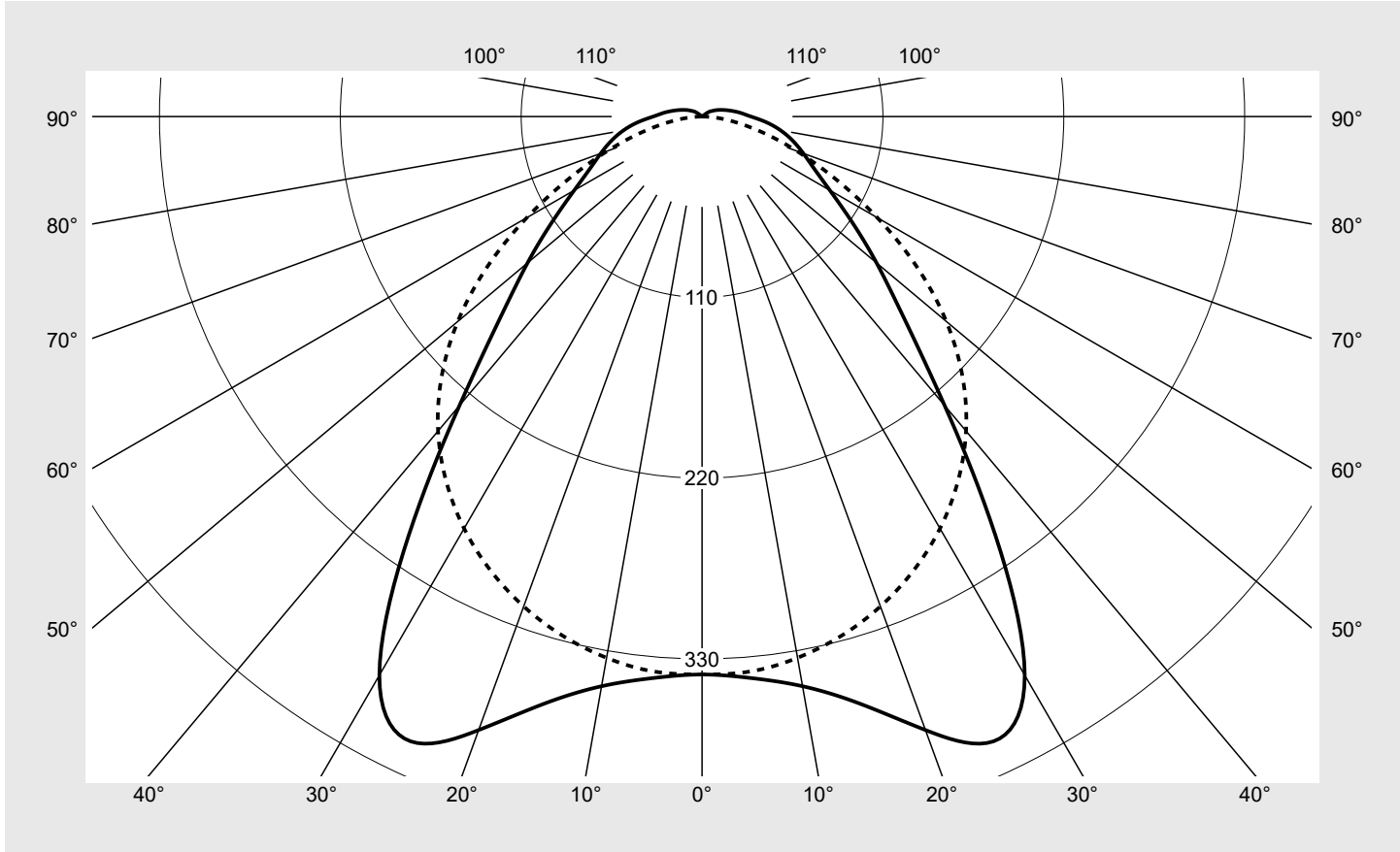


Photometric test report

Family Licross® 11 Protected	Order number: 51TD1BDN4E5M EAN: 4058352918357	LP number 58521_185
	Version prismatic cover, frosted, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 14500 lm Power consumption = 87.3 W Luminous efficacy = 166.1 lm/W	serial documentation 31.10.2024
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 419 cd/klm**



Classifications	
DIN 5040	A 4 1
CIE	N1=54 N2=82 N3=95 N4=97 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	96.8%
ϕ_o	3.2%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Licross® 11 Protected	Order number: 51TD1BDN4E5M EAN: 4058352918357	LP number 58521_185
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°	339.5	339.5	339.5	339.5	339.5	339.5	339.5	2.0	2.0
5°	343.0	342.0	339.2	339.3	339.7	338.8	338.9	16.2	18.3
10°	352.0	350.9	345.1	341.6	338.4	335.1	334.4	32.6	50.9
15°	369.7	367.9	356.8	346.8	337.2	329.4	327.1	49.3	100.2
20°	397.2	393.9	374.9	354.6	335.9	321.8	317.2	66.8	167.0
25°	419.5	416.9	395.3	365.3	334.4	312.1	304.6	84.4	251.4
30°	392.5	397.1	392.3	370.7	332.1	300.1	289.4	97.4	348.9
35°	311.0	322.2	341.8	350.7	323.8	285.3	271.2	100.3	449.2
40°	229.5	240.6	267.7	298.9	299.5	266.8	249.8	94.7	543.9
45°	174.0	182.0	204.5	237.4	256.3	239.9	224.1	85.2	629.1
50°	138.5	144.4	161.2	187.1	207.0	203.8	193.9	74.9	704.0
55°	110.9	115.6	129.9	149.5	163.4	162.9	159.6	64.1	768.1
60°	89.8	92.9	103.5	120.2	127.5	124.1	123.1	53.4	821.5
65°	75.3	77.0	82.7	94.9	98.6	91.3	89.2	43.6	865.1
70°	65.6	65.8	66.8	73.1	74.5	64.6	61.3	35.1	900.1
75°	57.2	56.6	54.5	55.3	53.6	43.2	39.2	27.5	927.6
80°	48.6	47.5	44.1	40.6	36.2	26.8	21.9	20.7	948.4
85°	39.1	38.1	34.6	29.4	22.8	14.4	9.2	14.9	963.2
90°	29.7	28.9	25.8	20.2	13.1	5.9	0.8	10.0	973.2
95°	24.0	23.5	21.5	16.6	10.0	3.6	0.7	8.0	981.2
100°	19.1	18.8	17.3	13.3	7.4	1.9	0.7	6.2	987.3
105°	15.1	14.8	13.5	10.2	5.0	0.8	0.6	4.6	991.9
110°	11.8	11.4	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.1	8.6	7.4	4.7	1.4	0.7	0.7	2.3	997.5
120°	6.7	6.2	4.9	2.7	0.8	0.7	0.8	1.5	999.1
125°	4.5	4.0	2.9	1.3	0.8	0.8	0.8	0.9	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 Protected	Order number: 51TD1BDN4E5M EAN: 4058352918357	LP number 58521_185
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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	22.4	24.1	22.8	24.4	24.7	24.3	25.9	24.7	26.2	26.6
	3H	23.6	25.1	24.0	25.5	25.8	25.3	26.8	25.7	27.1	27.5
	4H	24.3	25.7	24.7	26.1	26.5	25.7	27.1	26.1	27.4	27.8
	6H	25.1	26.4	25.5	26.8	27.1	25.9	27.2	26.3	27.6	28.0
	8H	25.5	26.7	25.9	27.1	27.5	26.0	27.2	26.5	27.6	28.0
	12H	25.9	27.0	26.3	27.4	27.8	26.1	27.2	26.5	27.6	28.0
4H	2H	23.3	24.7	23.7	25.0	25.4	24.7	26.1	25.1	26.5	26.9
	3H	24.7	25.8	25.1	26.2	26.6	26.0	27.2	26.4	27.6	28.0
	4H	25.5	26.6	25.9	27.0	27.4	26.5	27.6	27.0	28.0	28.4
	6H	26.4	27.3	26.9	27.8	28.2	26.9	27.8	27.3	28.2	28.7
	8H	26.9	27.7	27.3	28.2	28.6	27.0	27.9	27.5	28.3	28.8
	12H	27.4	28.1	27.8	28.6	29.1	27.1	27.9	27.6	28.3	28.8
8H	4H	25.9	26.8	26.4	27.2	27.7	26.8	27.7	27.3	28.1	28.6
	6H	27.0	27.7	27.5	28.2	28.7	27.3	28.0	27.8	28.5	29.0
	8H	27.6	28.2	28.1	28.7	29.2	27.5	28.2	28.0	28.7	29.2
	12H	28.2	28.8	28.7	29.3	29.8	27.7	28.2	28.2	28.7	29.3
12H	4H	26.0	26.7	26.5	27.2	27.7	26.9	27.6	27.3	28.1	28.6
	6H	27.1	27.7	27.6	28.2	28.7	27.5	28.1	28.0	28.6	29.1
	8H	27.8	28.3	28.3	28.8	29.3	27.7	28.3	28.2	28.8	29.3

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

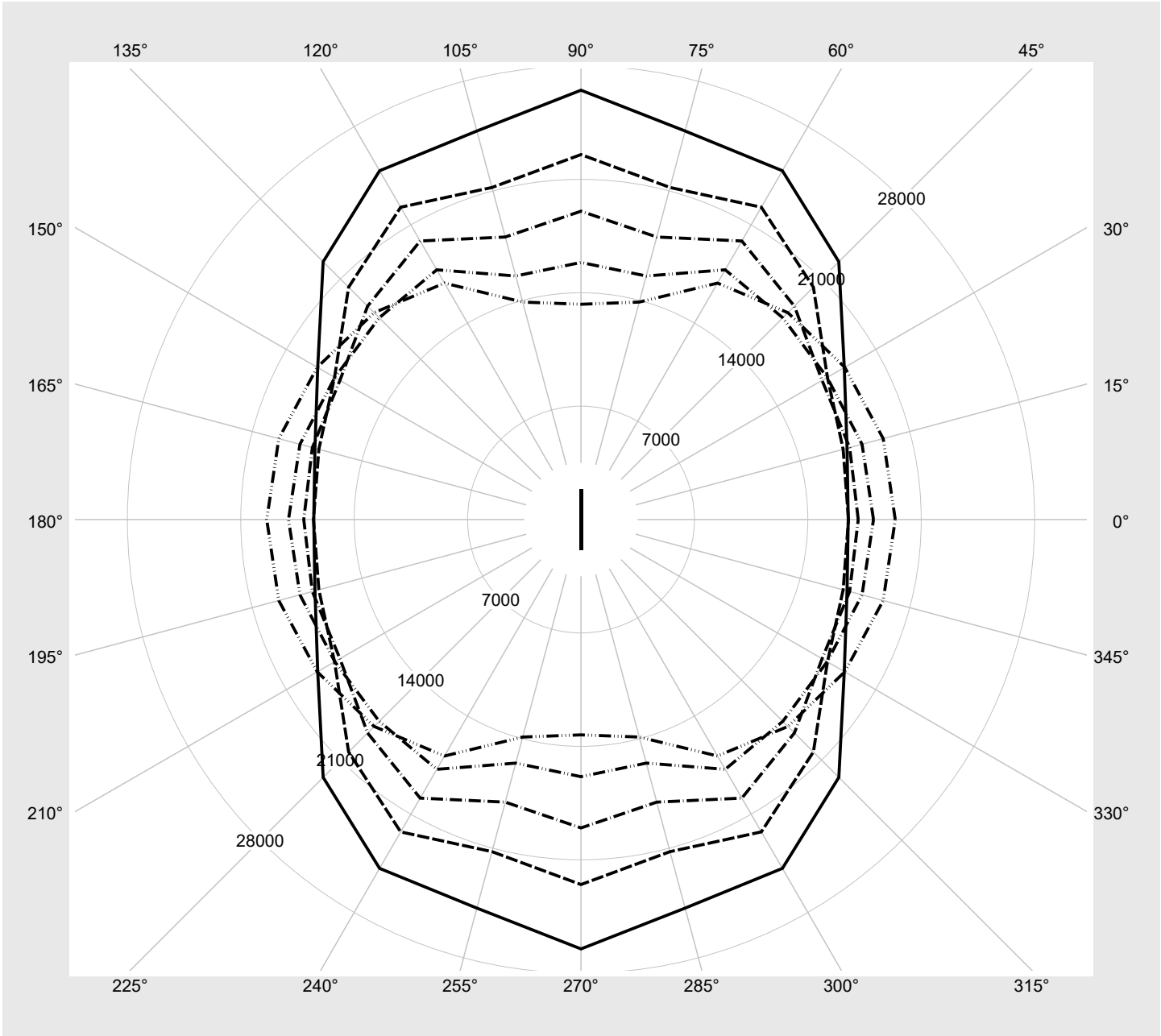
C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		26492.1	27839.9	31750.4	37725.6	42029.5	40849.0	39802.5	
50°		22586.1	23678.1	26882.5	32050.4	36797.7	37879.5	37889.6	
55°		19610.0	20580.6	23586.9	28018.4	31971.9	33608.8	34941.9	
60°		17499.5	18247.9	20803.6	25069.4	27992.1	29018.5	30915.5	
65°		16494.8	17001.6	18765.4	22506.9	24863.1	24831.1	26503.4	
70°		16512.3	16752.3	17565.3	20285.3	22262.2	21223.3	22529.6	
75°		17112.8	17167.8	17182.3	18629.2	19855.6	18057.7	19034.7	
80°		18054.7	17959.0	17545.9	17614.3	17802.4	15564.7	15871.5	
85°		19397.5	19311.0	18799.3	18060.0	16853.4	13898.7	13290.5	

Photometric test report

Family Licross® 11 Protected	Order number: 51TD1BDN4E5M EAN: 4058352918357	LP number 58521_185
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



Photometric test report

Family Licross® 11 Protected	Order number: 51TD1BDN4E5M EAN: 4058352918357	LP number 58521_185
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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	14500	87.3
95	240	252	13769	82.4
90	226	250	13027	77.5
85	213	248	12330	72.9
80	200	245	11625	68.3
75	186	243	10860	63.6
70	173	240	10143	59.1
65	160	237	9422	54.7
60	147	234	8695	50.2
55	134	231	7958	45.9
50	122	227	7274	41.9
45	109	223	6528	37.7
40	96	218	5774	33.4
35	84	213	5071	29.4
30	72	208	4362	25.7
25	60	201	3647	21.8
20	48	193	2924	17.9
15	36	182	2198	14.0
10	24	168	1465	10.1
5	12	142	727	6.4
2	4	102	231	4.0