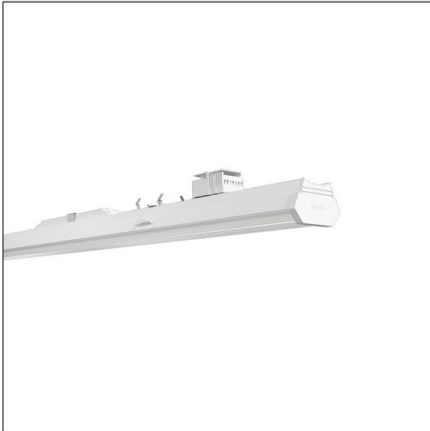


Photometric test report

Family
Licross® Protected 650V DC

Order number: 54TD1BDN69XG
EAN: 4069025253323

LP number
58522_282



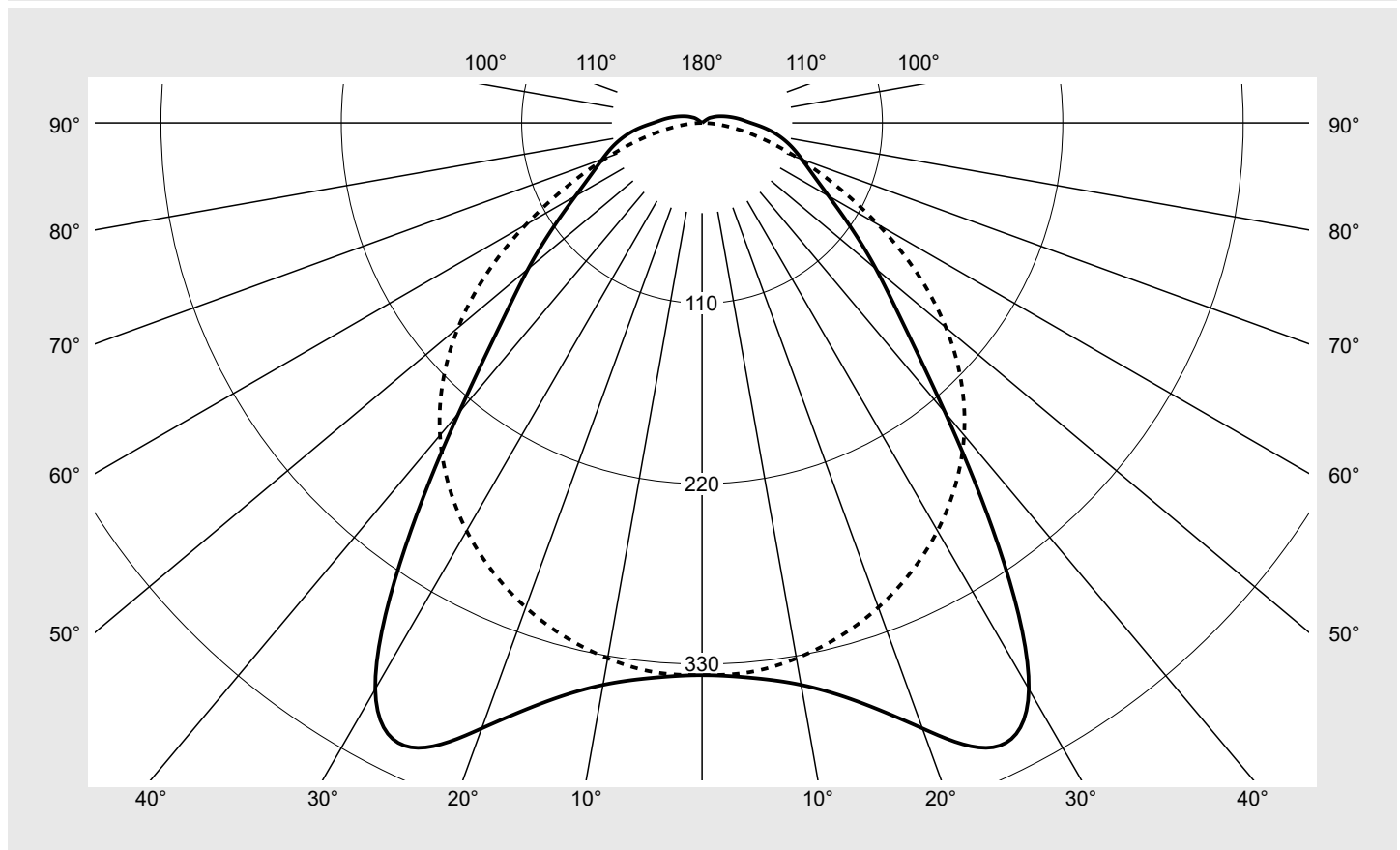
Version prismatic cover, frosted, wide distribution
Lamps LED 6500 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 9140 lm
 Power consumption = 57.0 W
 Luminous efficacy = 160.4 lm/W

serial
documentation
11.02.2025

siteco

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

Imax: 420 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® Protected 650V DC	Order number: 54TD1BDN69XG EAN: 4069025253323	LP number 58522_282
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C- planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	336.7	336.7	336.7	336.7	336.7	336.7	336.7	2.0	2.0
5°	339.6	338.6	335.9	336.3	336.9	336.0	336.1	16.1	18.1
10°	347.9	347.0	341.3	338.0	335.2	332.1	331.5	32.3	50.4
15°	365.1	363.4	352.6	343.0	333.9	326.3	324.2	48.8	99.2
20°	392.9	389.6	370.2	350.5	332.5	318.7	314.4	66.1	165.3
25°	420.1	417.2	393.2	361.7	330.8	309.3	301.9	83.9	249.2
30°	398.6	403.0	395.6	369.9	329.0	297.6	287.2	97.7	346.8
35°	315.4	327.2	346.9	353.5	322.7	283.2	269.5	100.9	447.7
40°	230.7	242.3	270.7	302.4	300.6	265.5	248.6	95.2	542.9
45°	173.9	182.1	205.6	239.8	258.3	240.0	223.6	85.6	628.5
50°	138.5	144.5	161.6	188.3	208.7	204.6	194.1	75.2	703.7
55°	110.6	115.5	130.2	150.3	164.6	163.9	160.4	64.4	768.0
60°	89.1	92.4	103.6	120.9	128.5	124.9	123.9	53.5	821.6
65°	74.6	76.3	82.5	95.4	99.4	91.8	89.8	43.7	865.3
70°	64.8	65.1	66.4	73.4	75.2	65.0	61.7	35.1	900.3
75°	56.7	56.1	54.1	55.3	54.0	43.4	39.3	27.4	927.8
80°	48.3	47.2	43.9	40.6	36.4	26.8	21.9	20.7	948.5
85°	39.1	38.0	34.5	29.4	22.9	14.4	9.1	14.9	963.3
90°	29.8	28.8	25.7	20.2	13.1	5.8	0.8	9.9	973.3
95°	24.0	23.5	21.4	16.6	9.9	3.5	0.7	7.9	981.2
100°	19.2	18.8	17.3	13.3	7.4	1.9	0.6	6.2	987.4
105°	15.1	14.8	13.6	10.2	5.0	0.8	0.6	4.6	992.0
110°	11.8	11.3	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.0	8.5	7.3	4.7	1.4	0.7	0.7	2.3	997.6
120°	6.6	6.1	4.9	2.7	0.8	0.7	0.7	1.5	999.1
125°	4.4	4.0	2.9	1.3	0.7	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® Protected 650V DC	Order number: 54TD1BDN69XG EAN: 4069025253323	LP number 58522_282
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UGR-Table		Standard room							siTeco		
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	20.9	22.5	21.2	22.8	23.1	22.7	24.4	23.1	24.7	25.0
	3H	22.0	23.5	22.4	23.8	24.2	23.8	25.2	24.1	25.6	25.9
	4H	22.7	24.1	23.1	24.5	24.8	24.1	25.5	24.5	25.8	26.2
	6H	23.5	24.8	23.9	25.1	25.5	24.4	25.6	24.8	26.0	26.4
	8H	23.9	25.1	24.3	25.5	25.9	24.5	25.7	24.9	26.0	26.4
	12H	24.3	25.4	24.7	25.8	26.2	24.5	25.6	24.9	26.0	26.4
4H	2H	21.7	23.1	22.1	23.4	23.8	23.2	24.6	23.6	24.9	25.3
	3H	23.1	24.2	23.5	24.6	25.0	24.5	25.6	24.9	26.0	26.4
	4H	23.9	24.9	24.3	25.3	25.8	25.0	26.0	25.4	26.4	26.9
	6H	24.8	25.7	25.2	26.1	26.6	25.3	26.2	25.8	26.7	27.1
	8H	25.2	26.1	25.7	26.5	27.0	25.4	26.3	25.9	26.7	27.2
	12H	25.7	26.5	26.2	26.9	27.4	25.5	26.3	26.0	26.7	27.2
8H	4H	24.3	25.1	24.7	25.6	26.0	25.2	26.1	25.7	26.5	27.0
	6H	25.4	26.1	25.8	26.5	27.0	25.8	26.5	26.2	26.9	27.4
	8H	25.9	26.6	26.4	27.1	27.6	26.0	26.6	26.5	27.1	27.6
	12H	26.6	27.1	27.1	27.6	28.2	26.1	26.7	26.6	27.2	27.7
12H	4H	24.4	25.1	24.8	25.6	26.1	25.3	26.1	25.8	26.5	27.0
	6H	25.5	26.1	26.0	26.6	27.1	25.9	26.5	26.4	27.0	27.5
	8H	26.1	26.7	26.7	27.2	27.7	26.1	26.7	26.7	27.2	27.7

Luminance table		Max. for $\gamma \geq 65^\circ$			Photometric dimensions in mm:	L = 1480 B = 78	H(C0) = 13 H(C90) = 0	H(C180) = 13 H(C270) = 0
C- planes	γ	0°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
		Luminance in cd/m²						
	45°	16687.3	17563.7	20116.1	24019.3	26692.4	25759.4	25038.7
	50°	14230.4	14930.2	16985.4	20339.1	23382.9	23974.5	23911.1
	55°	12327.5	12961.7	14905.1	17758.8	20307.9	21311.3	22137.1
	60°	10952.3	11442.4	13124.0	15895.4	17781.9	18400.7	19626.3
	65°	10300.5	10630.0	11800.8	14272.6	15803.9	15747.3	16828.1
	70°	10282.2	10455.9	11012.2	12839.4	14163.0	13457.7	14282.4
	75°	10685.3	10729.7	10755.4	11739.4	12611.3	11430.2	12016.4
	80°	11316.9	11258.2	11011.8	11088.3	11265.0	9822.9	9968.5
	85°	12217.1	12150.9	11819.5	11384.4	10667.2	8736.6	8286.7

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Luminance values in cd/m²

γ 65°

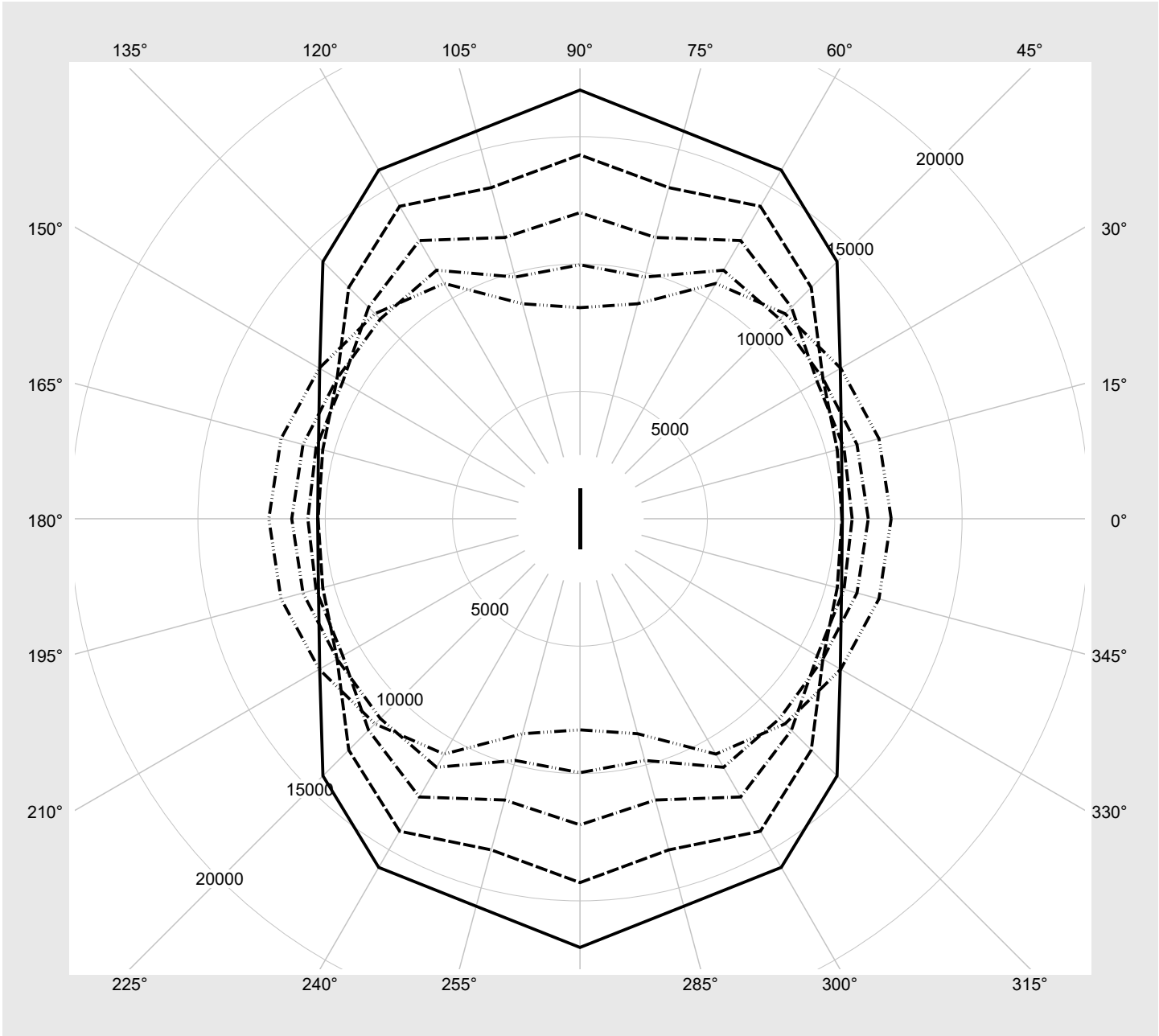
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

Family Licross® Protected 650V DC	Order number: 54TD1BDN69XG EAN: 4069025253323	LP number 58522_282
Dimming levels table		environmental temperature: 25°C



Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	9140	57.0
95	240	252	8676	53.7
90	226	250	8209	50.5
85	213	248	7771	47.5
80	200	245	7329	44.5
75	186	243	6849	41.3
70	173	240	6398	38.3
65	160	237	5944	35.3
60	147	234	5485	32.4
55	134	231	5022	29.6
50	121	227	4555	26.7
45	109	223	4120	24.1
40	96	218	3644	21.3
35	84	213	3201	18.7
30	72	208	2754	16.2
25	60	201	2304	13.7
20	47	192	1811	10.8
15	35	181	1353	8.1
10	24	168	928	5.7
5	12	142	462	3.3
3	7	122	267	2.3