
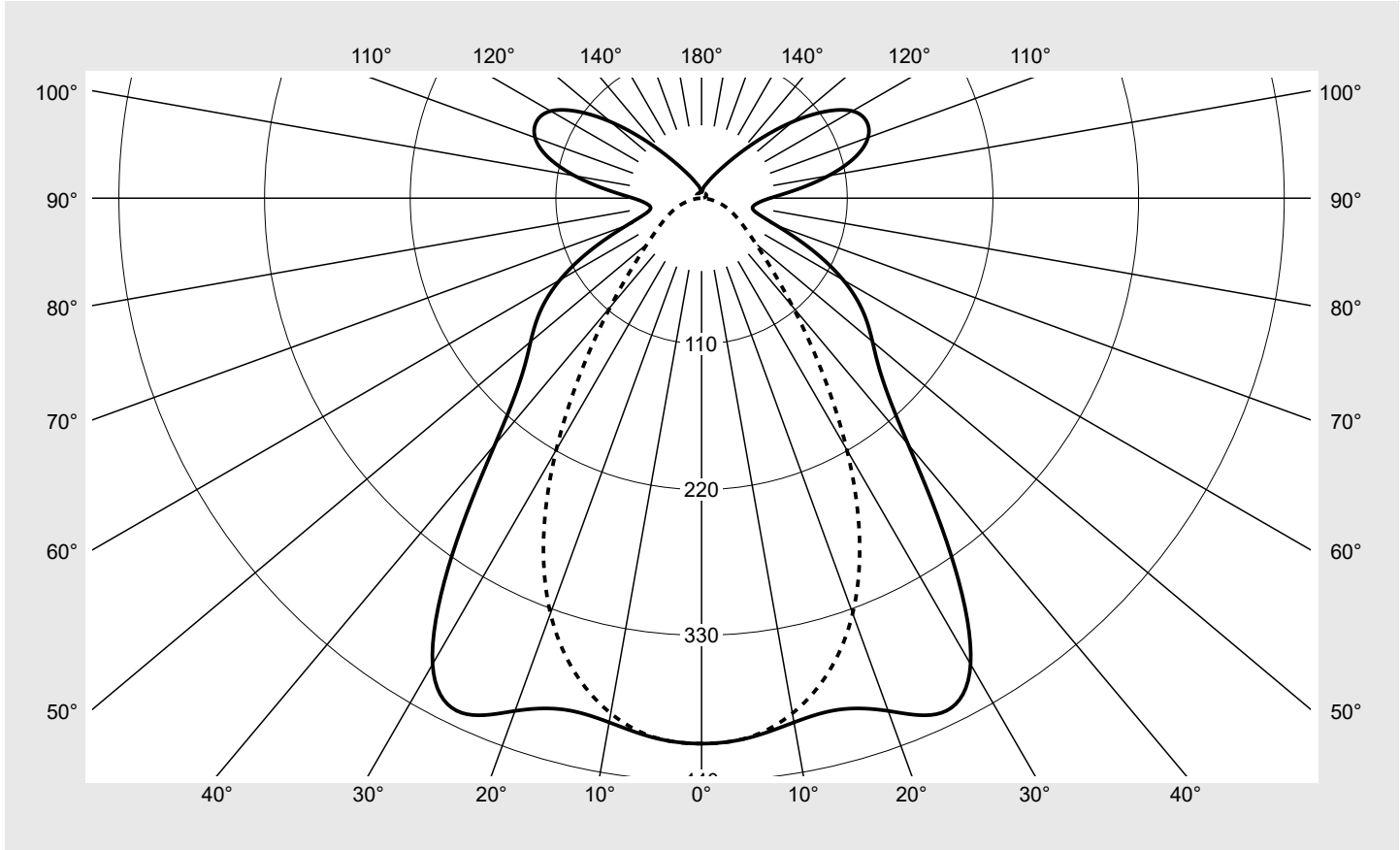


Photometric test report

Family Licross® 11 Performance	Order number: 51TD16DN4FXM EAN: 4058352928905	LP number 58519_266
	Version cover frosted, direct-/ indirect distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 15460 lm Power consumption = 87.3 W Luminous efficacy = 177.1 lm/W	serial documentation 14.09.2023
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 429 cd/klm**



Classifications	
DIN 5040	B 5 1
CIE	N1=63 N2=86 N3=95 N4=78 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	78.1%
ϕ_o	21.9%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

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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°	411.8	411.8	411.8	411.8	411.8	411.8	411.8	2.5	2.5
5°	409.0	407.3	405.0	406.4	408.3	408.3	408.7	19.5	21.9
10°	401.9	399.8	395.6	394.8	395.0	394.6	395.0	37.7	59.6
15°	399.8	396.0	386.0	378.7	373.7	370.5	370.4	54.1	113.8
20°	412.0	404.2	382.1	360.3	344.8	335.4	333.6	68.7	182.5
25°	428.7	419.7	386.2	342.0	307.4	287.4	282.2	81.0	263.5
30°	406.2	406.4	384.2	323.4	261.9	228.9	219.5	87.6	351.1
35°	328.1	339.8	351.8	297.2	211.1	168.2	156.8	84.4	435.5
40°	242.7	253.2	284.0	257.1	161.6	117.6	107.2	73.3	508.8
45°	193.2	191.3	206.1	202.2	118.6	81.5	73.7	60.3	569.1
50°	168.5	157.2	146.5	145.8	85.8	58.6	53.4	49.3	618.5
55°	148.6	133.1	107.2	99.9	62.9	44.3	40.9	40.6	659.0
60°	123.5	108.6	80.0	67.9	46.9	34.4	32.2	32.9	691.9
65°	91.5	81.0	59.1	47.5	36.1	27.0	25.4	25.6	717.5
70°	60.2	54.5	42.3	34.6	28.0	21.0	19.4	18.9	736.4
75°	43.1	39.2	31.3	26.2	21.7	15.5	13.5	14.3	750.7
80°	39.2	35.6	27.4	20.7	16.7	10.7	8.0	12.1	762.9
85°	42.5	38.8	29.2	19.4	12.9	6.9	3.4	11.8	774.7
90°	51.7	47.2	34.3	20.7	11.3	4.4	0.6	13.1	787.8
95°	71.3	64.2	44.5	24.7	12.8	5.2	1.1	17.1	804.9
100°	97.2	85.6	55.2	28.6	14.3	6.1	1.8	21.5	826.4
105°	120.2	103.0	65.3	32.5	15.7	6.9	2.8	25.1	851.6
110°	133.8	113.4	72.0	35.7	17.0	7.6	3.5	27.0	878.6
115°	137.4	116.7	75.1	37.4	17.7	8.2	3.9	27.0	905.5
120°	131.5	112.0	72.9	36.7	17.5	8.5	4.2	25.0	930.5
125°	114.0	97.3	64.4	33.4	16.5	8.4	4.4	20.9	951.4
130°	89.6	76.8	52.0	28.4	14.9	8.3	4.5	15.9	967.3
135°	64.2	55.4	38.9	22.9	13.2	7.9	4.4	11.1	978.4
140°	43.4	38.1	28.3	18.4	11.3	7.3	4.5	7.5	985.9
145°	29.7	26.7	21.1	14.9	9.5	6.3	4.4	5.0	990.9
150°	21.4	19.7	16.5	11.7	8.2	5.8	4.4	3.4	994.4
155°	16.0	15.0	12.7	9.4	8.0	5.2	4.3	2.3	996.7
160°	12.3	11.7	9.5	8.1	6.6	5.4	4.1	1.5	998.2
165°	10.0	9.6	7.9	6.6	5.9	4.7	4.5	1.0	999.2
170°	7.8	6.8	5.5	5.6	6.0	4.8	4.8	0.6	999.8
175°	4.9	4.4	4.8	4.8	4.9	4.9	5.2	0.2	1000.0
180°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	0.0	1000.0

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Family Licross® 11 Performance	Order number: 51TD16DN4FXM EAN: 4058352928905	LP number 58519_266
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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	20.9	22.2	21.5	22.8	23.4	16.5	17.7	17.1	18.3	19.0
	3H	21.7	22.8	22.3	23.4	24.2	17.0	18.1	17.6	18.7	19.4
	4H	22.0	23.0	22.6	23.6	24.4	17.2	18.3	17.9	18.9	19.6
	6H	22.3	23.2	23.0	23.9	24.7	17.4	18.4	18.1	19.1	19.8
	8H	22.6	23.4	23.3	24.1	24.9	17.4	18.3	18.1	19.0	19.8
	12H	22.9	23.6	23.6	24.3	25.2	17.5	18.3	18.1	19.0	19.8
4H	2H	20.9	22.0	21.5	22.6	23.3	17.1	18.1	17.8	18.8	19.5
	3H	21.8	22.7	22.5	23.4	24.2	17.8	18.7	18.5	19.3	20.1
	4H	22.2	23.0	22.9	23.7	24.5	18.1	18.9	18.8	19.6	20.4
	6H	22.7	23.4	23.4	24.1	24.9	18.4	19.1	19.1	19.8	20.6
	8H	23.1	23.7	23.8	24.4	25.3	18.5	19.1	19.2	19.8	20.7
	12H	23.6	24.1	24.3	24.8	25.7	18.5	19.1	19.3	19.8	20.7
8H	4H	22.2	22.8	22.9	23.5	24.4	18.4	19.0	19.1	19.7	20.6
	6H	22.8	23.3	23.6	24.1	25.0	18.8	19.3	19.6	20.1	21.0
	8H	23.3	23.8	24.1	24.5	25.4	19.0	19.5	19.8	20.3	21.2
	12H	24.0	24.4	24.8	25.2	26.1	19.2	19.6	20.0	20.3	21.3
12H	4H	22.1	22.7	22.9	23.4	24.3	18.5	19.0	19.2	19.7	20.6
	6H	22.8	23.2	23.6	24.0	24.9	19.0	19.4	19.8	20.2	21.1
	8H	23.4	23.7	24.1	24.5	25.5	19.3	19.6	20.0	20.4	21.4

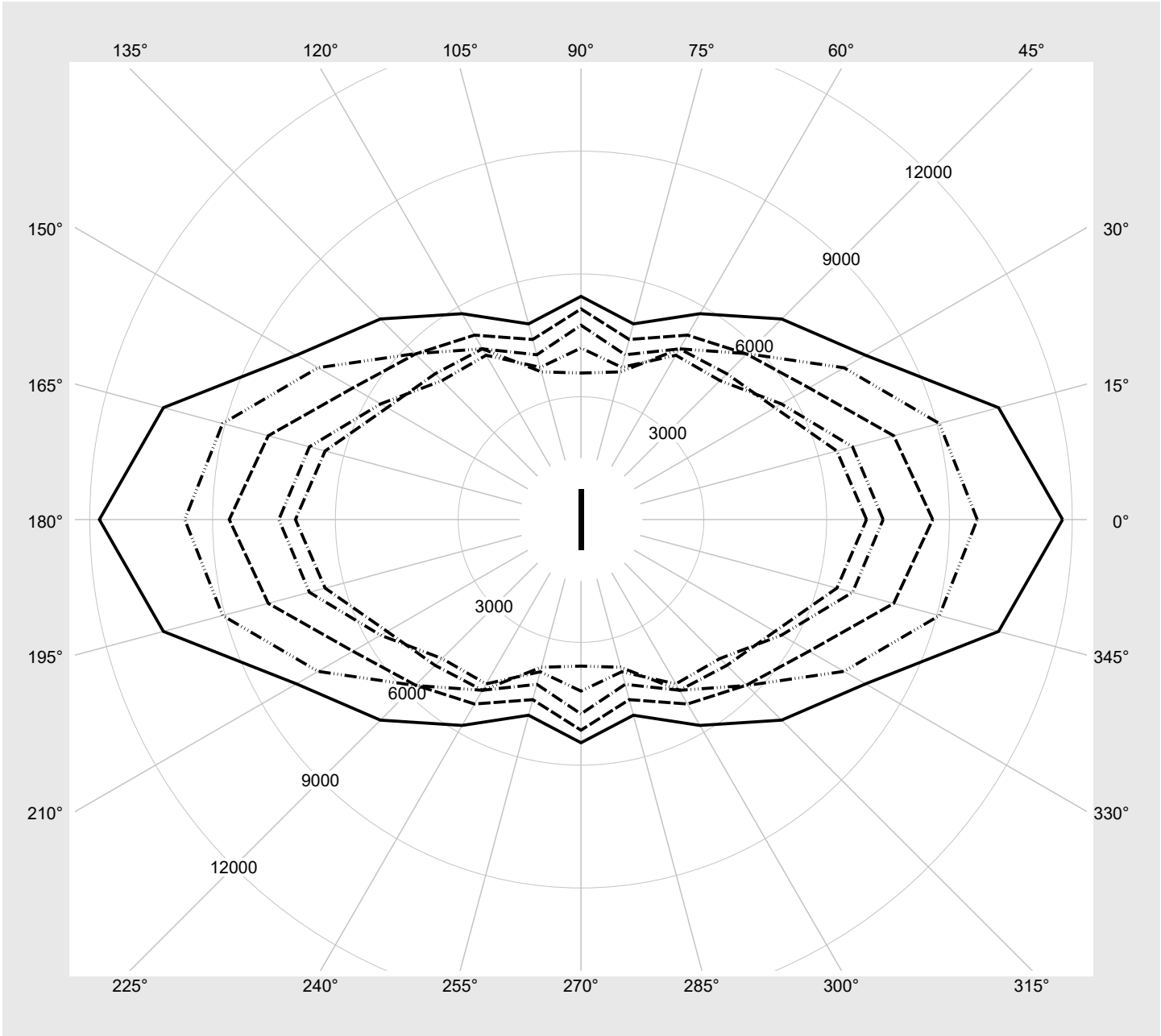
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 36	H(C180) = 36
			B = 115	H(C90) = 0	H(C270) = 0

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°		18905.3	18873.6	20832.8	21269.4	13170.2	9681.7	9470.4		
50°		17340.2	16326.9	15650.6	16300.0	10222.1	7557.4	7549.8		
55°		16265.6	14716.8	12239.2	12016.0	8136.9	6284.1	6476.2		
60°		14544.4	12945.0	9894.4	8918.5	6706.6	5476.5	5846.8		
65°		11765.2	10561.3	8027.9	6930.1	5807.5	4949.4	5452.6		
70°		8592.6	7909.5	6433.9	5720.0	5202.8	4555.0	5145.6		
75°		6975.9	6471.6	5467.8	5038.6	4815.2	4168.0	4748.1		
80°		7381.7	6867.8	5651.9	4801.5	4635.8	3849.7	4190.5		
85°		9680.1	9063.7	7418.0	5732.0	4816.3	3735.2	3580.0		

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



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Family Licross® 11 Performance	Order number: 51TD16DN4FXM EAN: 4058352928905	LP number 58519_266
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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	15460	87.3
95	240	252	14681	82.4
90	226	250	13889	77.5
85	213	248	13146	72.9
80	200	245	12395	68.3
75	186	243	11579	63.6
70	173	240	10815	59.1
65	160	237	10046	54.7
60	147	234	9270	50.2
55	134	231	8485	45.9
50	122	227	7756	41.9
45	109	223	6960	37.7
40	96	218	6156	33.4
35	84	213	5407	29.4
30	72	208	4651	25.7
25	60	201	3889	21.8
20	48	193	3118	17.9
15	36	182	2343	14.0
10	24	168	1562	10.1
5	12	142	775	6.4
2	4	102	246	4.0