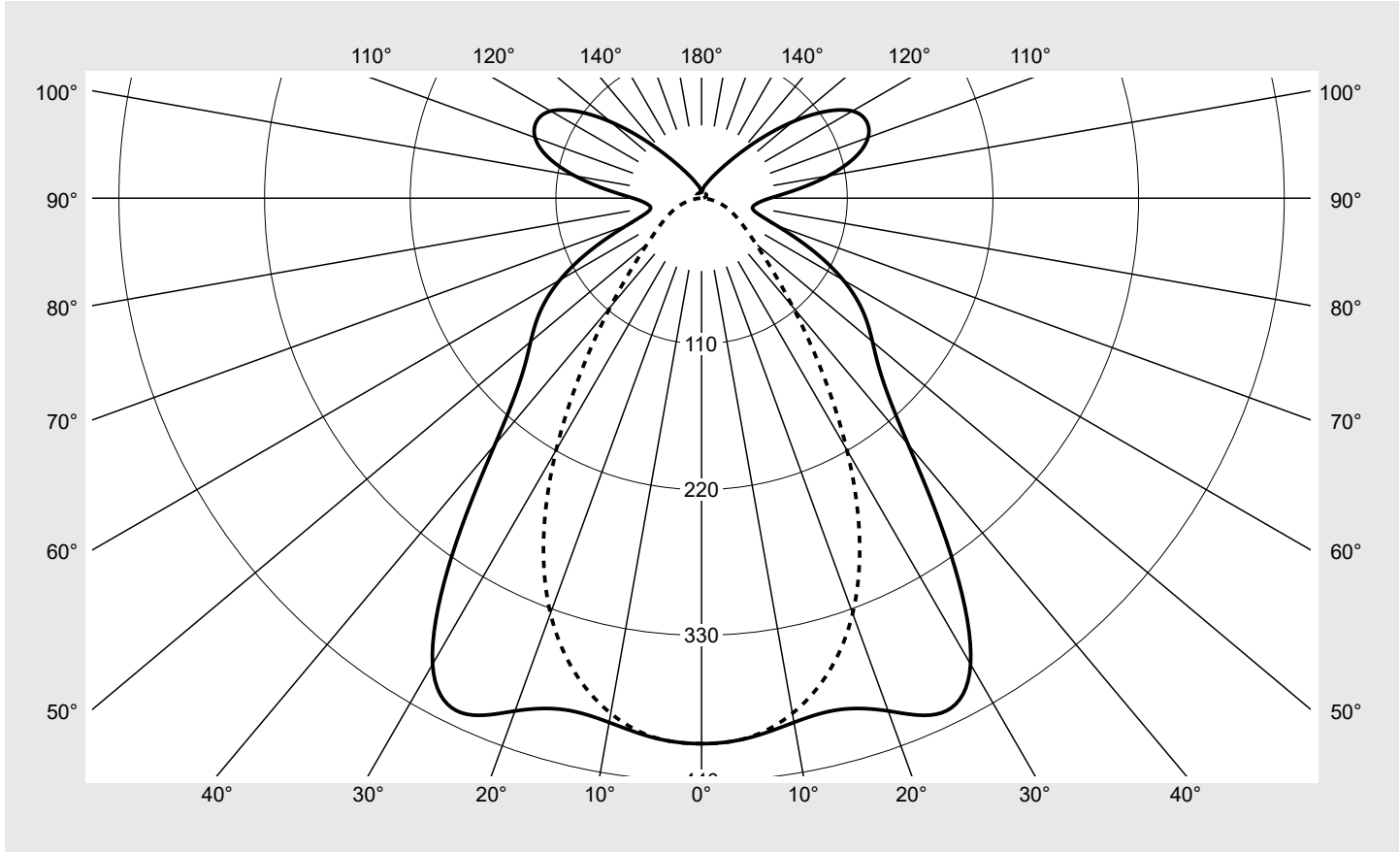


Photometric test report

Family Licross® 11 Performance	Order number: 51TM16MN4GXM EAN: 4058352930069	LP number 58519_283
	Version cover frosted, direct-/ indirect distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 16020 lm Power consumption = 87.4 W Luminous efficacy = 183.3 lm/W	serial documentation 11.10.2023
		

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

Family Licross® 11 Performance	Order number: 51TM16MN4GXM EAN: 4058352930069	LP number 58519_283
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

Photometric test report

Family Licross® 11 Performance	Order number: 51TM16MN4GXM EAN: 4058352930069	LP number 58519_283
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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	21.0	22.3	21.6	22.9	23.5	16.6	17.9	17.2	18.4	19.1
	3H	21.9	22.9	22.5	23.6	24.3	17.1	18.3	17.7	18.9	19.6
	4H	22.1	23.1	22.8	23.8	24.5	17.4	18.4	18.0	19.1	19.8
	6H	22.5	23.3	23.1	24.0	24.8	17.6	18.5	18.2	19.2	19.9
	8H	22.7	23.5	23.4	24.2	25.0	17.5	18.5	18.2	19.1	19.9
	12H	23.0	23.7	23.7	24.5	25.3	17.6	18.4	18.2	19.1	19.9
4H	2H	21.0	22.1	21.7	22.7	23.4	17.2	18.2	17.9	18.9	19.6
	3H	22.0	22.8	22.6	23.5	24.3	17.9	18.8	18.6	19.5	20.2
	4H	22.3	23.1	23.0	23.8	24.6	18.3	19.0	19.0	19.7	20.5
	6H	22.8	23.5	23.6	24.2	25.1	18.5	19.2	19.2	19.9	20.8
	8H	23.2	23.8	23.9	24.5	25.4	18.6	19.2	19.3	20.0	20.8
	12H	23.7	24.2	24.5	25.0	25.9	18.6	19.2	19.4	19.9	20.8
8H	4H	22.3	22.9	23.0	23.7	24.5	18.5	19.1	19.3	19.9	20.7
	6H	22.9	23.4	23.7	24.2	25.1	19.0	19.4	19.7	20.2	21.1
	8H	23.4	23.9	24.2	24.7	25.6	19.2	19.6	19.9	20.4	21.3
	12H	24.2	24.5	25.0	25.3	26.3	19.3	19.7	20.1	20.5	21.4
12H	4H	22.2	22.8	23.0	23.5	24.4	18.6	19.1	19.3	19.8	20.7
	6H	22.9	23.4	23.7	24.1	25.0	19.1	19.5	19.9	20.3	21.2
	8H	23.5	23.9	24.3	24.6	25.6	19.4	19.7	20.2	20.5	21.5

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

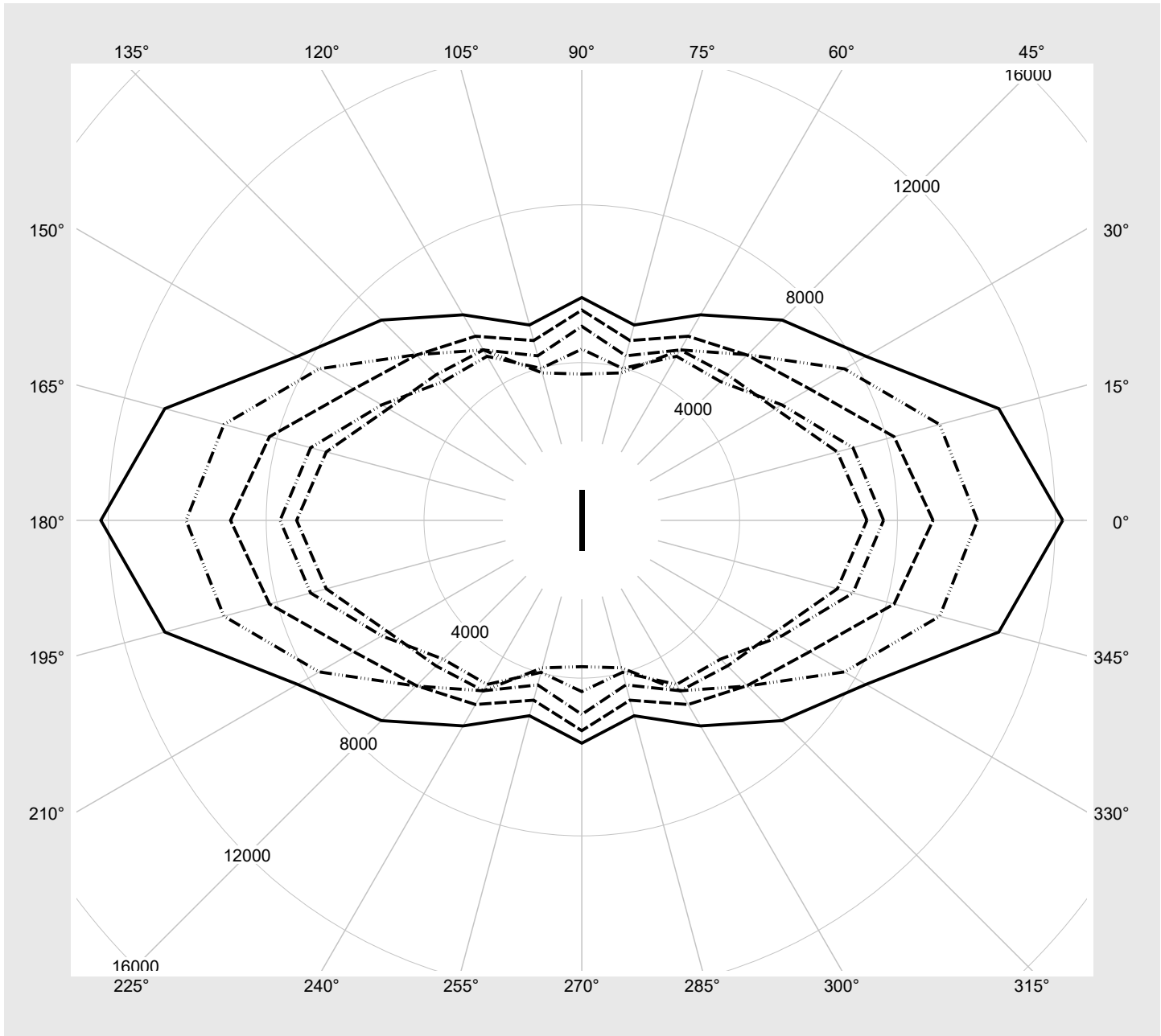
C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
	45°	19590.1	19557.2	21587.5	22039.9	13647.3	10032.3	9813.4	
	50°	17968.3	16918.3	16217.5	16890.4	10592.4	7831.2	7823.3	
	55°	16854.7	15249.8	12682.6	12451.3	8431.6	6511.8	6710.8	
	60°	15071.2	13413.9	10252.7	9241.6	6949.5	5674.9	6058.6	
	65°	12191.4	10943.8	8318.7	7181.1	6017.9	5128.7	5650.1	
	70°	8903.9	8196.0	6666.9	5927.2	5391.3	4720.0	5332.0	
	75°	7228.6	6706.0	5665.9	5221.1	4989.7	4318.9	4920.1	
	80°	7649.1	7116.6	5856.6	4975.4	4803.7	3989.1	4342.3	
	85°	10030.8	9392.1	7686.7	5939.6	4990.8	3870.5	3709.7	

Photometric test report

Family Licross® 11 Performance	Order number: 51TM16MN4GXM EAN: 4058352930069	LP number 58519_283
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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 Performance

Order number: 51TM16MN4GXM
EAN: 4058352930069

LP number
58519_283

Multilumen Table

environmental temperature: 25°C

siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	16020	87.4
2	A	C	F	15230	82.6
3	A	D	E	14200	76.2
4	A	D	F	13160	70.1
5	B	C	E	12190	64.3
6	B	C	F	11120	58.3
7	B	D	E	10120	52.6
8	B	D	F	9110	47.0