

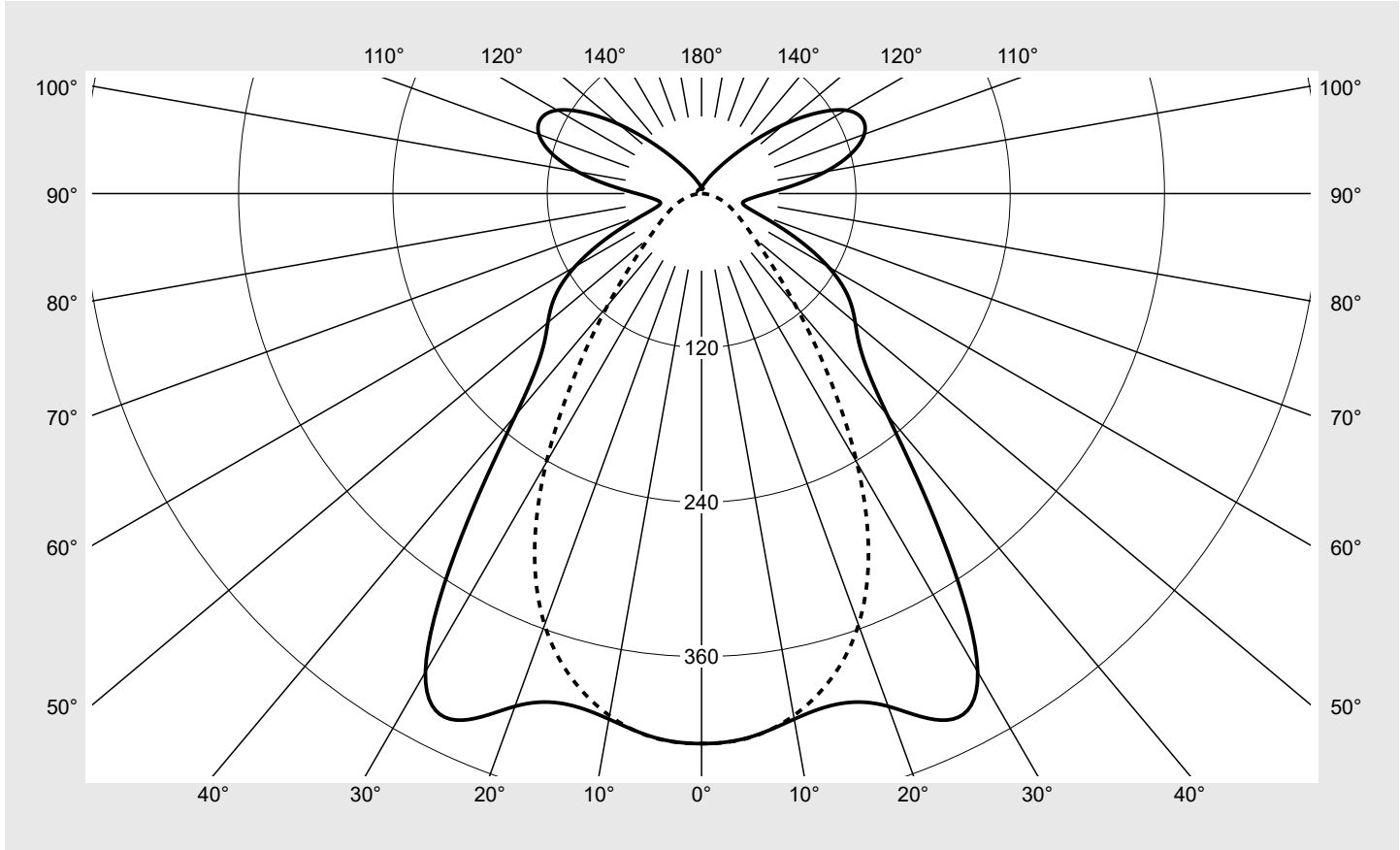
Photometric test report

Family Licross® 11 Performance	Order number: 51TD16MN4AXG EAN: 4058352928929	LP number 58520_360
	Version cover frosted, direct-/ indirect distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 10160 lm Power consumption = 55.3 W Luminous efficacy = 183.7 lm/W	serial documentation 11.10.2023





Luminous intensity in cd/klm C180-0 C270-90 **Imax: 452 cd/klm**




Classifications	
DIN 5040	B 5 1
CIE	N1=65 N2=88 N3=96 N4=79 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	79.3%
ϕ_o	20.7%

Measurement conditions
DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		
Maximum luminous intensity		

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°	427.7	427.7	427.7	427.7	427.7	427.7	427.7	2.6	2.6
5°	424.4	422.4	420.2	422.1	424.3	424.4	424.8	20.2	22.8
10°	414.9	412.5	408.9	409.5	411.2	411.6	412.2	39.1	61.9
15°	410.8	406.7	398.1	393.2	390.9	389.7	390.1	56.3	118.2
20°	424.3	415.5	394.5	375.8	364.0	357.7	356.8	71.8	190.0
25°	451.7	439.9	403.9	360.3	329.2	311.6	307.2	85.9	275.8
30°	429.5	430.9	412.5	347.4	284.5	251.0	241.5	94.2	370.0
35°	325.6	344.5	379.3	329.0	231.5	183.8	171.0	89.9	460.0
40°	224.9	238.5	293.1	289.7	177.2	125.7	113.8	76.0	535.9
45°	176.4	174.8	199.5	224.7	128.0	84.3	75.7	60.6	596.5
50°	156.0	144.3	136.6	154.2	90.2	58.9	53.2	48.2	644.7
55°	139.0	122.9	98.4	99.7	63.9	43.4	39.8	38.7	683.4
60°	113.7	99.1	72.2	64.7	46.3	33.0	30.8	30.7	714.1
65°	79.7	70.2	51.6	43.8	34.5	25.6	24.0	23.0	737.1
70°	47.7	43.4	35.6	31.1	26.2	19.7	18.2	16.2	753.3
75°	33.9	31.2	26.1	23.2	19.9	14.4	12.7	12.2	765.5
80°	33.7	30.7	23.7	18.2	15.1	9.9	7.5	10.6	776.1
85°	39.3	35.6	26.3	17.2	11.4	6.2	3.2	10.7	786.9
90°	50.4	45.6	32.3	18.9	10.0	3.9	0.6	12.4	799.3
95°	71.3	63.5	42.3	22.5	11.4	4.6	1.0	16.4	815.7
100°	97.9	84.6	52.5	26.5	12.9	5.3	1.6	20.8	836.6
105°	120.7	101.7	62.6	30.2	14.2	6.1	2.4	24.4	860.9
110°	134.6	112.6	69.4	33.2	15.3	6.7	2.9	26.3	887.2
115°	137.8	115.5	72.0	34.6	16.0	7.2	3.2	26.1	913.3
120°	129.6	108.9	68.7	33.6	15.7	7.4	3.5	23.8	937.1
125°	109.1	92.2	59.5	30.3	14.7	7.4	3.7	19.5	956.6
130°	83.4	71.0	47.4	25.5	13.2	7.2	3.7	14.5	971.2
135°	58.6	50.3	35.1	20.5	11.4	6.8	3.7	10.0	981.2
140°	39.2	34.3	25.3	16.3	9.8	6.3	3.7	6.7	987.9
145°	26.6	23.8	18.6	13.0	8.2	5.4	3.7	4.4	992.3
150°	18.7	17.2	14.2	10.0	6.9	5.0	3.7	2.9	995.2
155°	13.8	12.8	10.8	7.8	6.8	4.4	3.6	2.0	997.2
160°	10.2	9.8	7.9	6.8	5.6	4.6	3.5	1.3	998.5
165°	8.2	7.8	6.5	5.6	5.0	4.1	3.7	0.8	999.3
170°	6.4	5.6	4.7	4.7	5.0	4.1	3.9	0.5	999.8
175°	4.2	3.7	4.1	4.1	4.1	4.2	4.2	0.2	1000.0
180°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	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	19.1	20.4	19.7	21.0	21.6	15.3	16.6	15.9	17.2	17.8
	3H	19.7	20.8	20.3	21.4	22.1	15.7	16.9	16.3	17.5	18.1
	4H	19.9	20.9	20.5	21.5	22.3	15.9	17.0	16.5	17.6	18.3
	6H	20.2	21.1	20.8	21.7	22.5	16.1	17.1	16.7	17.7	18.4
	8H	20.4	21.2	21.1	21.9	22.7	16.1	17.0	16.7	17.6	18.4
	12H	20.7	21.5	21.4	22.2	23.0	16.1	16.9	16.7	17.6	18.4
4H	2H	19.1	20.2	19.7	20.8	21.5	15.8	16.8	16.4	17.4	18.2
	3H	19.8	20.7	20.5	21.3	22.1	16.4	17.2	17.0	17.9	18.6
	4H	20.1	20.8	20.7	21.5	22.3	16.7	17.4	17.3	18.1	18.9
	6H	20.5	21.1	21.2	21.9	22.7	16.9	17.5	17.6	18.2	19.1
	8H	20.8	21.4	21.6	22.2	23.0	16.9	17.6	17.7	18.3	19.1
	12H	21.4	21.9	22.1	22.6	23.5	17.0	17.5	17.7	18.2	19.1
8H	4H	20.0	20.6	20.7	21.4	22.2	16.8	17.4	17.5	18.1	19.0
	6H	20.6	21.1	21.3	21.8	22.7	17.2	17.7	17.9	18.4	19.3
	8H	21.1	21.5	21.8	22.3	23.2	17.4	17.8	18.1	18.6	19.5
	12H	21.8	22.2	22.6	23.0	23.9	17.5	17.8	18.2	18.6	19.5
12H	4H	20.0	20.5	20.7	21.3	22.1	16.8	17.3	17.6	18.1	19.0
	6H	20.6	21.0	21.3	21.8	22.7	17.3	17.7	18.1	18.5	19.4
	8H	21.1	21.5	21.9	22.3	23.2	17.5	17.9	18.3	18.7	19.6

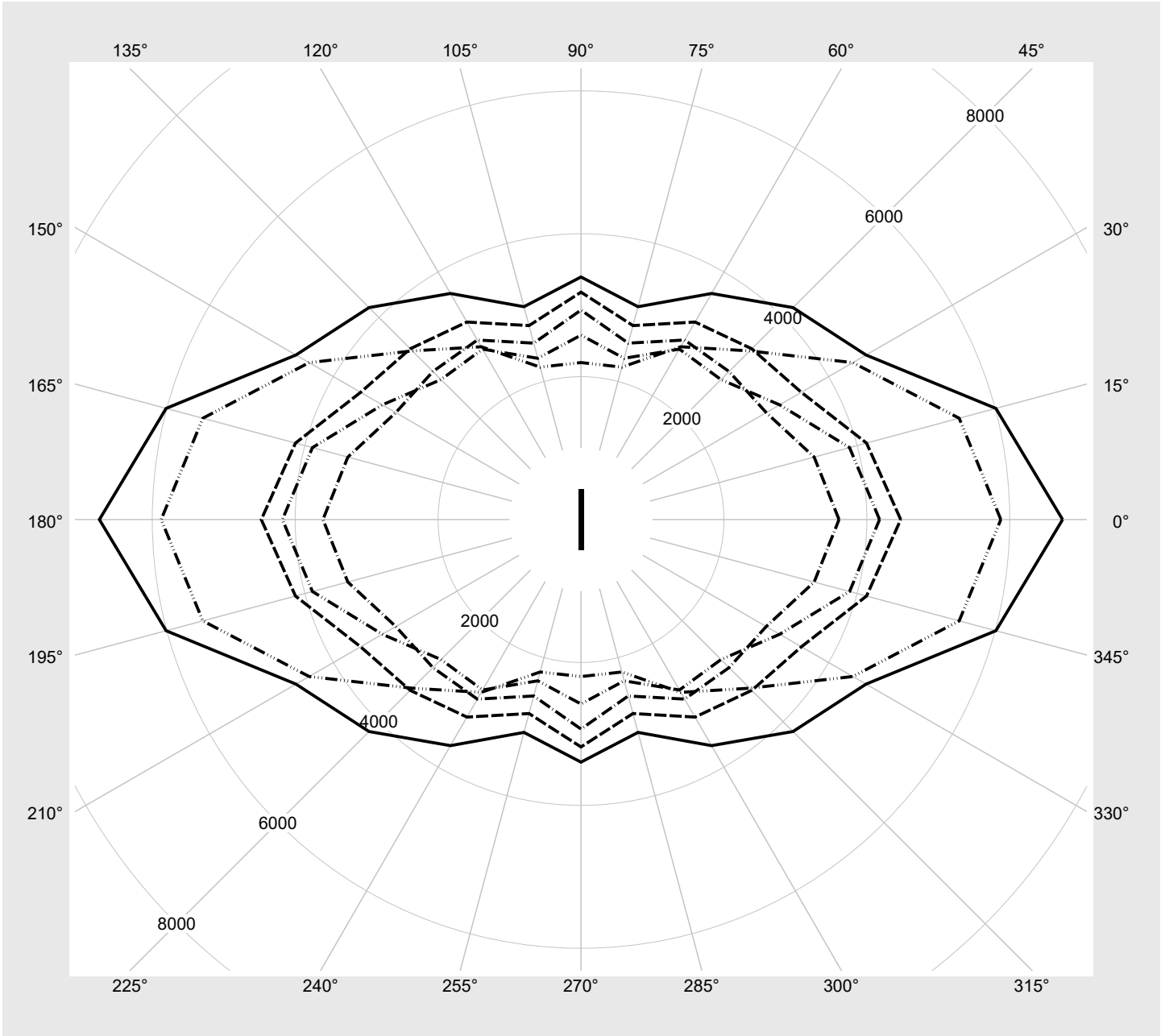
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 36	H(C180) = 36
			B = 115	H(C90) = 0	H(C270) = 0

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°	11342.7	11330.5	13250.5	15531.7	9347.0	6584.4	6387.1		
	50°	10551.3	9848.1	9584.6	11331.9	7061.8	4991.0	4937.8		
	55°	9996.7	8935.2	7383.9	7885.9	5434.8	4048.1	4139.8		
	60°	8801.2	7767.1	5863.3	5584.3	4353.1	3460.1	3676.8		
	65°	6739.7	6010.9	4606.1	4195.3	3653.4	3084.0	3394.8		
	70°	4474.1	4136.6	3561.2	3380.1	3191.9	2810.4	3182.3		
	75°	3610.9	3378.1	2993.4	2930.3	2901.4	2556.2	2931.7		
	80°	4178.1	3890.9	3210.6	2770.6	2754.4	2336.3	2580.7		
	85°	5875.2	5479.1	4393.0	3338.0	2792.7	2208.6	2197.2		

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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: 51TD16MN4AXG
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LP number
58520_360

Multilumen Table

environmental temperature: 25°C

siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	10160	55.3
2	A	C	F	9638	52.1
3	A	D	E	9191	49.4
4	A	D	F	8658	46.3
5	B	C	E	8126	43.1
6	B	C	F	7668	40.5
7	B	D	E	7114	37.4
8	B	D	F	6646	34.7