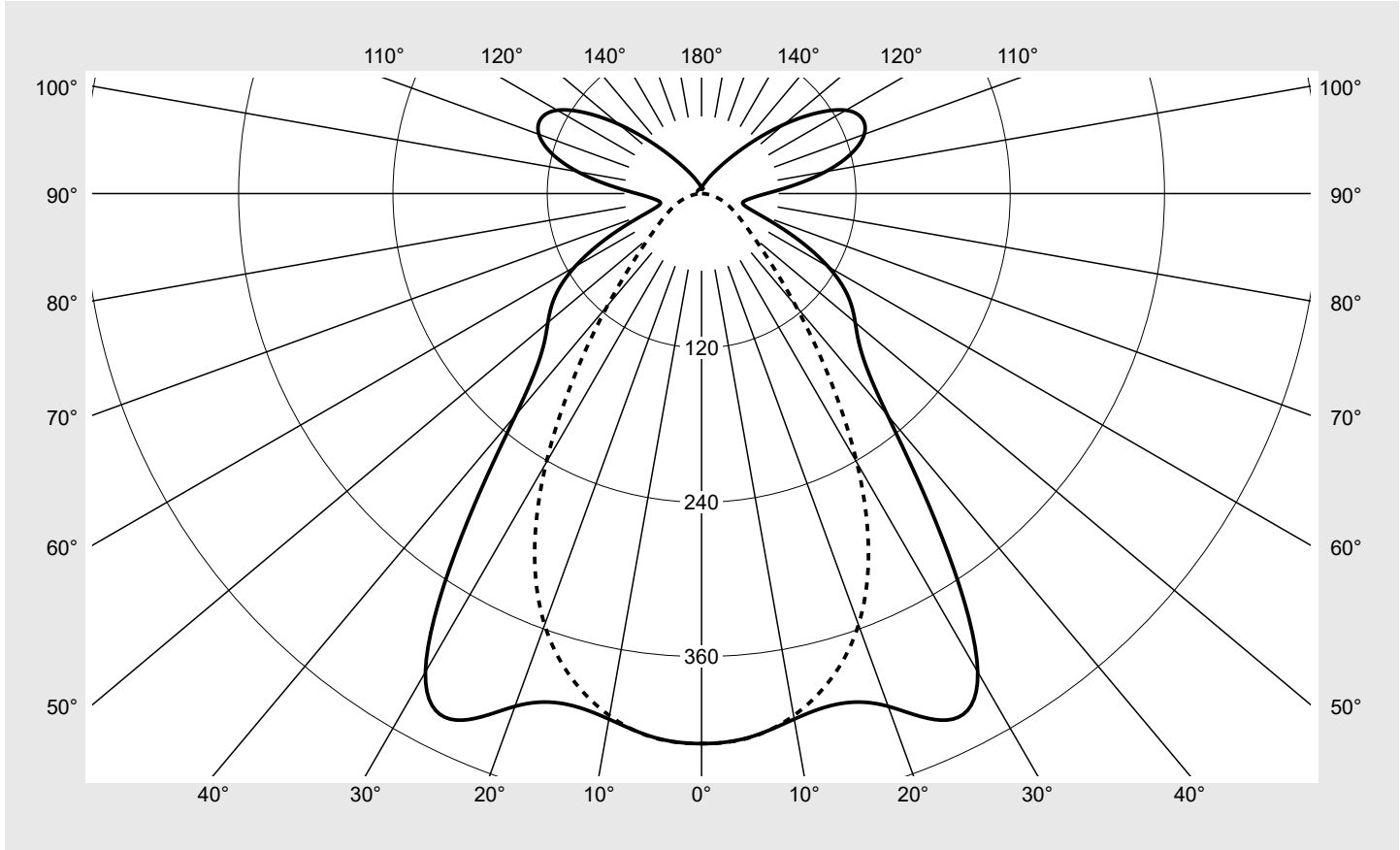


Photometric test report

Family Licross® 11 Performance	Order number: 51TS16DN49XFE EAN: 4058352447413	LP number 58520_26
	Version cover frosted, direct-/ indirect distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 9140 lm Power consumption = 56.2 W Luminous efficacy = 162.6 lm/W	serial documentation 05.10.2020
		

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

Photometric test report

Family Licross® 11 Performance	Order number: 51TS16DN49XFE EAN: 4058352447413	LP number 58520_26
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°	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

Photometric test report

Family Licross® 11 Performance	Order number: 51TS16DN49XFE EAN: 4058352447413	LP number 58520_26
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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	18.8	20.0	19.3	20.6	21.2	15.0	16.2	15.5	16.8	17.4
	3H	19.4	20.4	20.0	21.1	21.7	15.4	16.5	16.0	17.1	17.8
	4H	19.5	20.5	20.2	21.2	21.9	15.6	16.6	16.2	17.2	17.9
	6H	19.8	20.7	20.5	21.3	22.1	15.7	16.7	16.3	17.3	18.0
	8H	20.0	20.8	20.7	21.5	22.3	15.7	16.6	16.3	17.2	18.0
	12H	20.4	21.1	21.1	21.8	22.6	15.7	16.6	16.4	17.2	18.0
4H	2H	18.8	19.8	19.4	20.4	21.1	15.4	16.4	16.1	17.1	17.8
	3H	19.4	20.3	20.1	21.0	21.7	16.0	16.8	16.7	17.5	18.3
	4H	19.7	20.5	20.4	21.1	21.9	16.3	17.0	17.0	17.7	18.5
	6H	20.1	20.8	20.8	21.5	22.3	16.5	17.2	17.2	17.9	18.7
	8H	20.5	21.1	21.2	21.8	22.6	16.6	17.2	17.3	17.9	18.7
	12H	21.0	21.5	21.8	22.2	23.1	16.6	17.1	17.3	17.9	18.7
8H	4H	19.7	20.3	20.4	21.0	21.8	16.4	17.0	17.2	17.8	18.6
	6H	20.2	20.7	21.0	21.5	22.3	16.8	17.3	17.6	18.1	18.9
	8H	20.7	21.2	21.5	21.9	22.8	17.0	17.4	17.8	18.2	19.1
	12H	21.5	21.8	22.3	22.6	23.5	17.1	17.5	17.9	18.3	19.2
12H	4H	19.6	20.2	20.3	20.9	21.7	16.5	17.0	17.2	17.7	18.6
	6H	20.2	20.6	21.0	21.4	22.3	16.9	17.3	17.7	18.1	19.0
	8H	20.8	21.1	21.5	21.9	22.8	17.2	17.5	17.9	18.3	19.2

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°	10203.9	10193.0	11920.2	13972.4	8408.6	5923.3	5745.9		
	50°	9492.0	8859.4	8622.4	10194.3	6352.9	4489.9	4442.1		
	55°	8993.1	8038.2	6642.6	7094.2	4889.2	3641.7	3724.2		
	60°	7917.6	6987.3	5274.7	5023.7	3916.0	3112.7	3307.7		
	65°	6063.1	5407.4	4143.7	3774.2	3286.6	2774.3	3054.0		
	70°	4024.9	3721.3	3203.7	3040.7	2871.5	2528.3	2862.8		
	75°	3248.4	3039.0	2692.9	2636.2	2610.1	2299.5	2637.4		
	80°	3758.6	3500.3	2888.3	2492.4	2477.9	2101.8	2321.6		
	85°	5285.4	4929.0	3952.0	3002.8	2512.3	1986.9	1976.6		

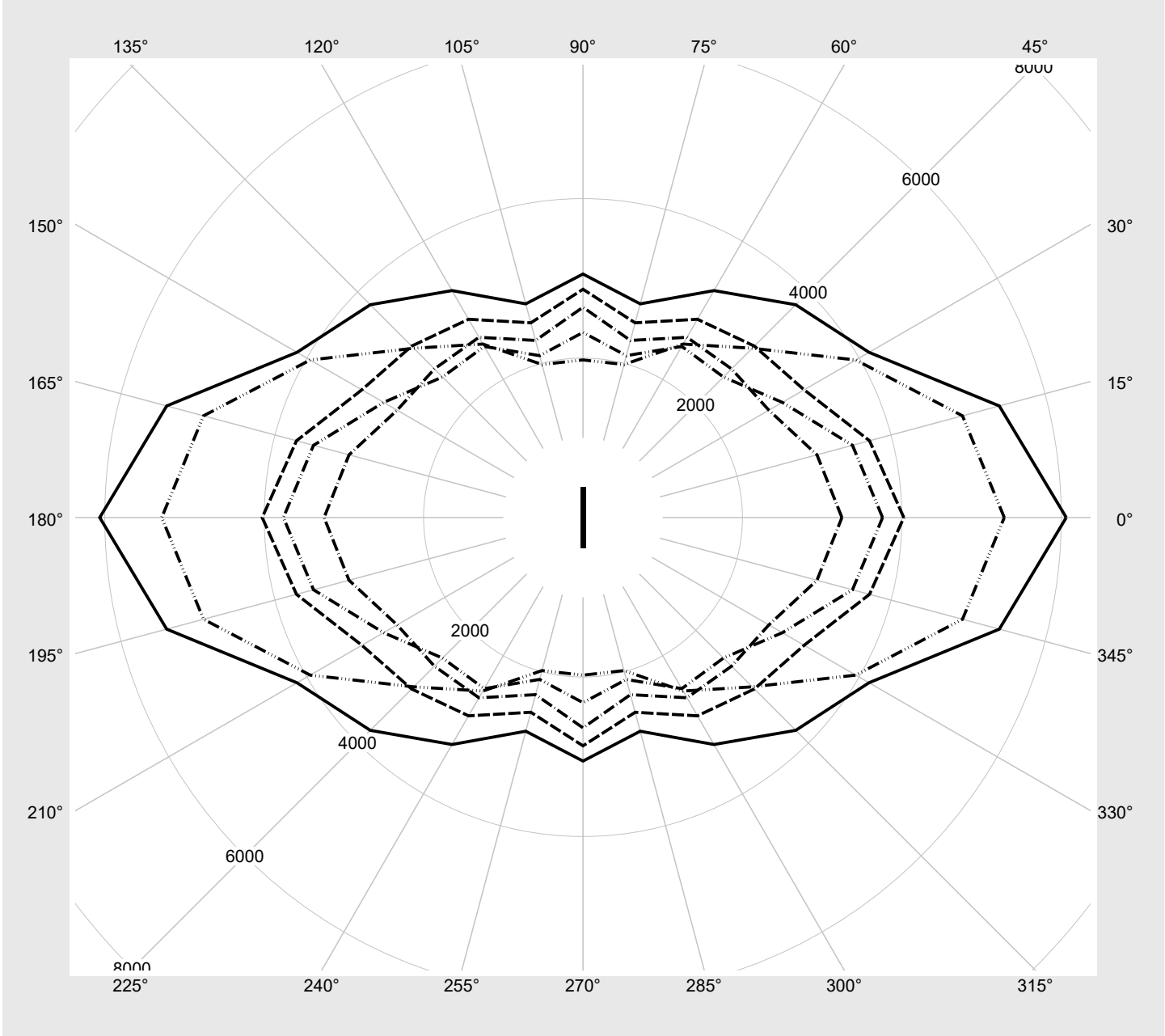
Photometric test report

Family Licross® 11 Performance	Order number: 51TS16DN49XFE EAN: 4058352447413	LP number 58520_26
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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® 11 Performance	Order number: 51TS16DN49XFE EAN: 4058352447413	LP number 58520_26
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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	9140	56.2
95	241	252	8688	53.2
90	227	250	8221	50.1
85	214	248	7766	47.3
80	200	245	7298	44.2
75	187	243	6842	41.4
70	175	240	6398	38.6
65	162	238	5943	35.8
60	149	234	5487	33.0
55	136	231	5032	30.2
50	123	227	4576	27.5
45	110	223	4096	24.8
40	97	219	3639	22.1
35	85	214	3195	19.7
30	73	208	2752	17.1
25	60	201	2270	14.4
20	49	194	1839	12.1
15	36	182	1356	9.5
10	25	169	925	7.3
5	13	145	481	4.7