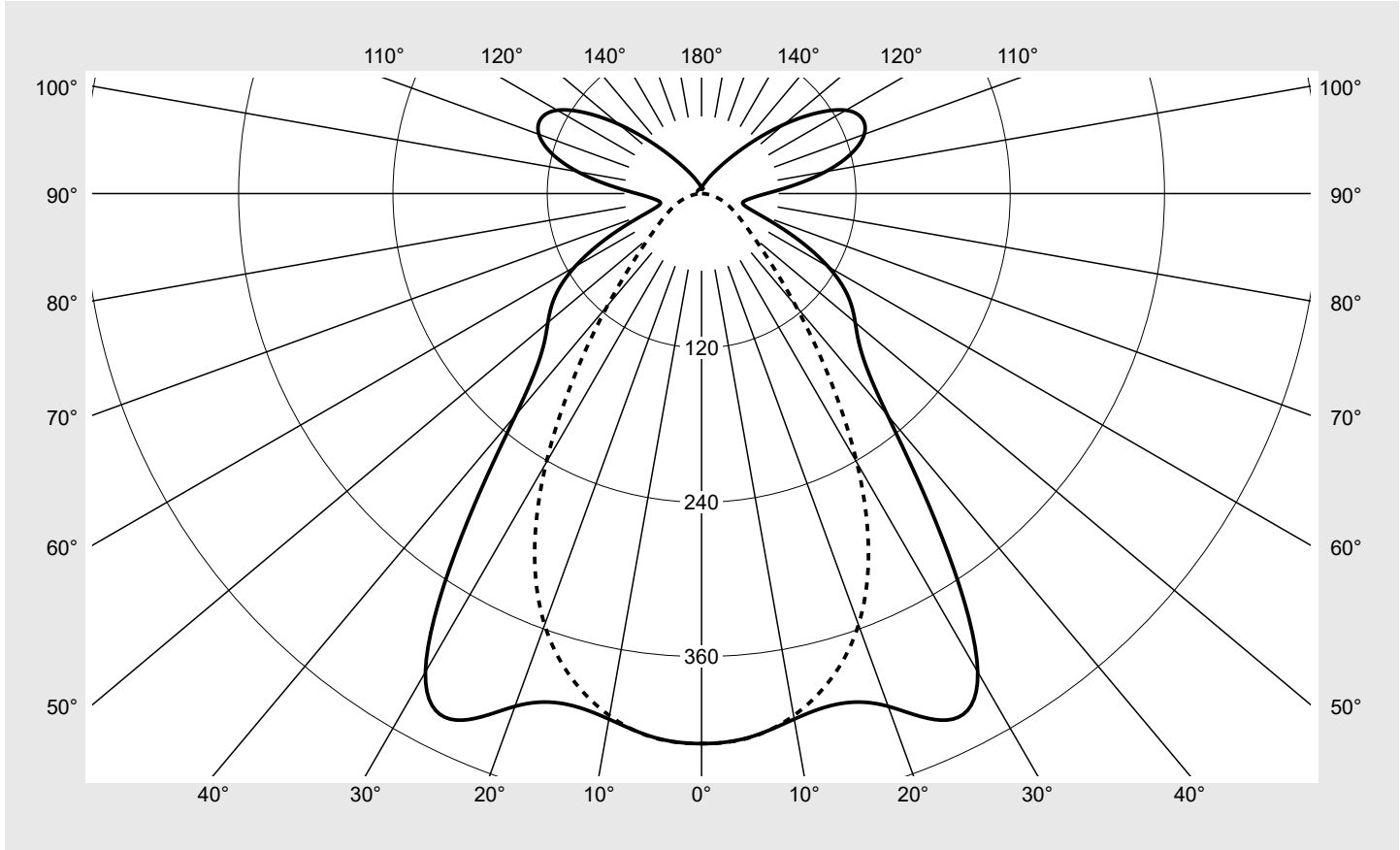


Photometric test report

Family Licross® 11 Performance	Order number: 51TS16VN48XF EAN: 4058352466575	LP number 58520_33
	Version cover frosted, direct-/ indirect distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI CLO Rated values Net luminous flux = 8100 lm Power consumption = 49.3 W Luminous efficacy = 164.3 lm/W	serial documentation 04.12.2020
		

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: 51TS16VN48XF EAN: 4058352466575	LP number 58520_33
Table of values for luminous intensities		Maximum luminous intensity
		sITeco

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°	Phi-zone	Total Phi-zone
	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: 51TS16VN48XF EAN: 4058352466575	LP number 58520_33
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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	18.4	19.6	18.9	20.2	20.8	14.5	15.8	15.1	16.4	17.0
	3H	18.9	20.0	19.5	20.6	21.3	15.0	16.1	15.5	16.7	17.3
	4H	19.1	20.1	19.7	20.7	21.5	15.1	16.2	15.8	16.8	17.5
	6H	19.4	20.3	20.0	20.9	21.7	15.3	16.3	15.9	16.9	17.6
	8H	19.6	20.4	20.3	21.1	21.9	15.3	16.2	15.9	16.8	17.6
	12H	19.9	20.7	20.6	21.4	22.2	15.3	16.2	16.0	16.8	17.6
4H	2H	18.3	19.4	18.9	20.0	20.7	15.0	16.0	15.6	16.6	17.4
	3H	19.0	19.9	19.7	20.5	21.3	15.6	16.4	16.2	17.1	17.9
	4H	19.3	20.0	20.0	20.7	21.5	15.9	16.6	16.5	17.3	18.1
	6H	19.7	20.4	20.4	21.1	21.9	16.1	16.8	16.8	17.5	18.3
	8H	20.1	20.6	20.8	21.4	22.2	16.2	16.8	16.9	17.5	18.3
	12H	20.6	21.1	21.3	21.8	22.7	16.2	16.7	16.9	17.5	18.3
8H	4H	19.2	19.9	20.0	20.6	21.4	16.0	16.6	16.8	17.3	18.2
	6H	19.8	20.3	20.5	21.0	21.9	16.4	16.9	17.2	17.6	18.5
	8H	20.3	20.7	21.1	21.5	22.4	16.6	17.0	17.3	17.8	18.7
	12H	21.1	21.4	21.8	22.2	23.1	16.7	17.1	17.5	17.8	18.7
12H	4H	19.2	19.7	19.9	20.5	21.3	16.0	16.5	16.8	17.3	18.2
	6H	19.8	20.2	20.5	21.0	21.9	16.5	16.9	17.3	17.7	18.6
	8H	20.3	20.7	21.1	21.5	22.4	16.7	17.1	17.5	17.9	18.8

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°	9042.9	9033.2	10563.9	12382.5	7451.8	5249.4	5092.1	
	50°	8411.9	7851.4	7641.3	9034.3	5630.0	3979.0	3936.6	
	55°	7969.8	7123.6	5886.8	6287.0	4332.9	3227.3	3300.4	
	60°	7016.7	6192.2	4674.5	4452.0	3470.5	2758.6	2931.3	
	65°	5373.2	4792.1	3672.2	3344.7	2912.7	2458.7	2706.5	
	70°	3566.9	3297.9	2839.2	2694.7	2544.8	2240.6	2537.1	
	75°	2878.8	2693.2	2386.5	2336.2	2313.1	2037.9	2337.3	
	80°	3330.9	3102.0	2559.6	2208.8	2196.0	1862.6	2057.4	
	85°	4684.0	4368.2	3502.3	2661.2	2226.4	1760.8	1751.7	

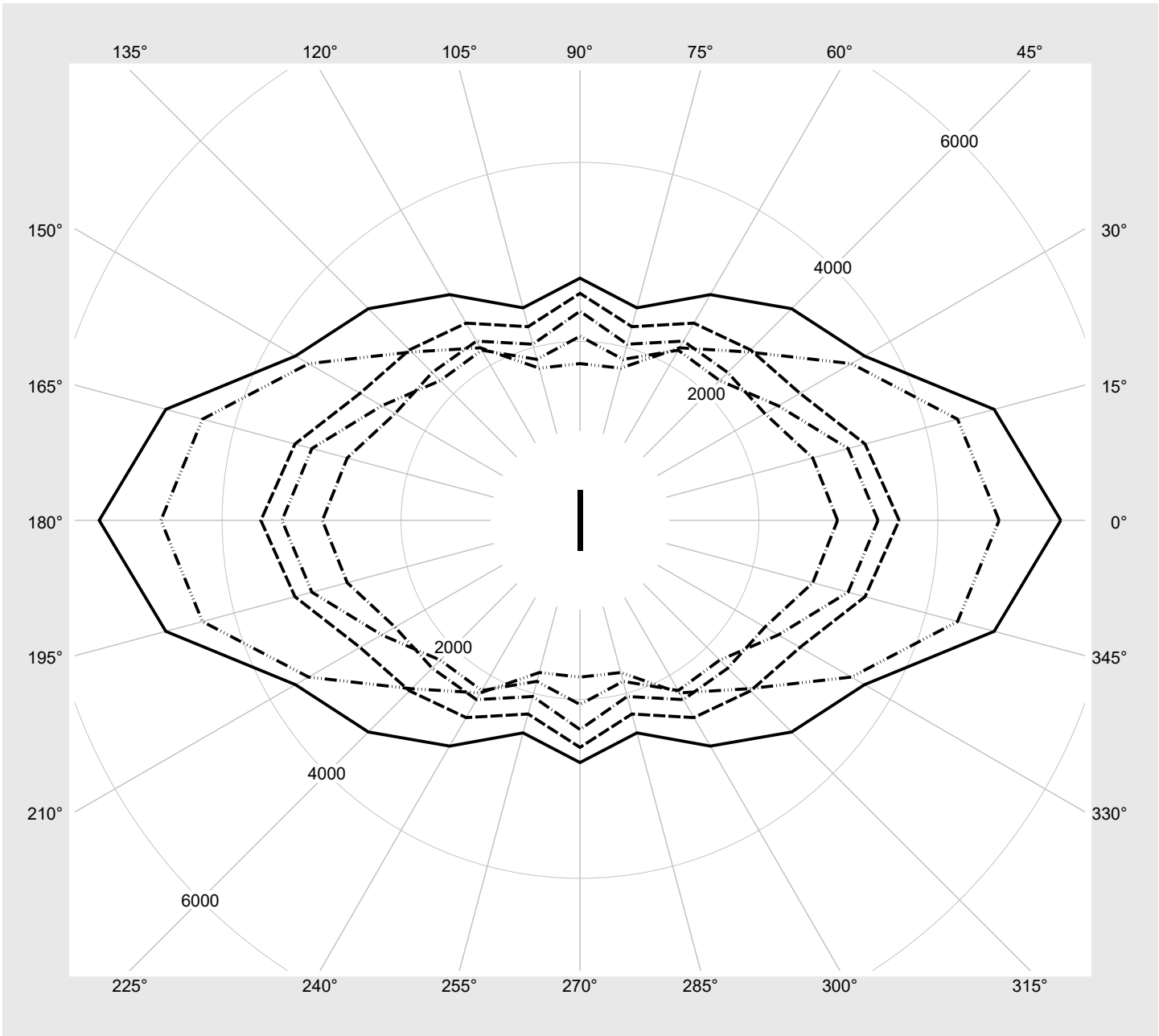
Photometric test report

Family Licross® 11 Performance	Order number: 51TS16VN48XF EAN: 4058352466575	LP number 58520_33
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Luminance values in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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siteco



Photometric test report

Family Licross® 11 Performance	Order number: 51TS16VN48XF EAN: 4058352466575	LP number 58520_33
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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]	Power consumption [W]	Power consumption [W]
				start of lifetime	end of lifetime	average
100	254	254	8100	49.3	58.4	53.8
95	241	252	7710	46.8	55.4	51.1
90	227	250	7289	44.1	52.1	48.1
85	214	248	6892	41.6	49.1	45.4
80	201	245	6472	39.0	46.1	42.6
75	188	243	6074	36.6	43.2	39.9
70	175	240	5673	34.2	40.2	37.2
65	162	238	5269	31.7	37.2	34.4
60	149	234	4861	29.3	34.4	31.8
55	136	231	4450	26.8	31.4	29.1
50	123	227	4037	24.4	28.6	26.5
45	111	224	3654	22.3	26.0	24.2
40	98	219	3237	19.9	23.1	21.5
35	86	214	2847	17.6	20.6	19.1
30	73	208	2420	15.3	17.7	16.5
25	61	202	2025	13.1	15.1	14.1
20	49	194	1627	10.9	12.5	11.7
15	37	183	1227	8.8	10.0	9.4
10	25	169	821	6.7	7.4	7.0
5	13	145	418	4.5	4.9	4.7
2	5	110	153	3.0	3.2	3.1