

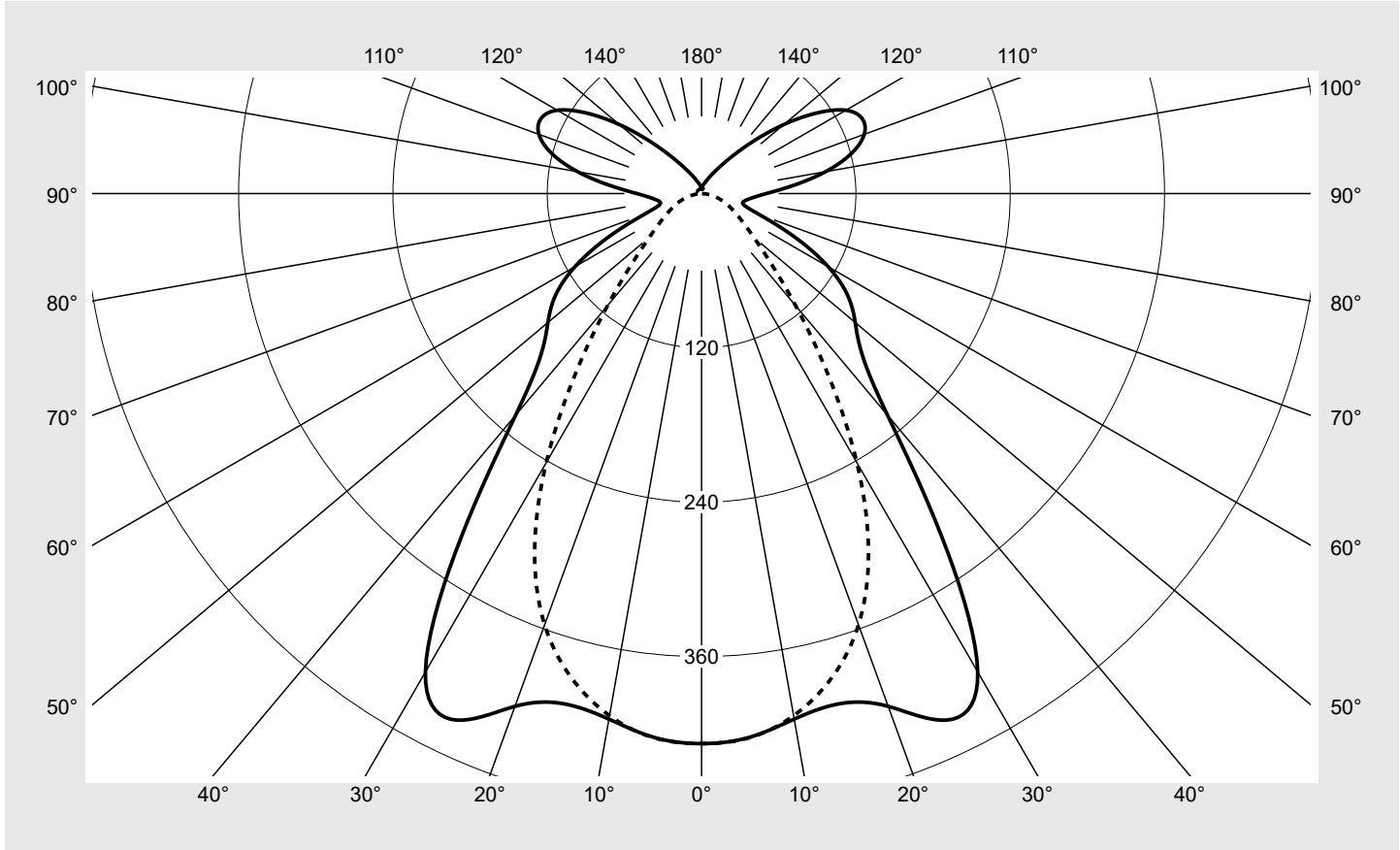
Photometric test report

Family Licross® 11 Performance	Order number: 51TM16DN35XG EAN: 4058352054352	LP number 58520_373
	Version cover frosted, direct-/ indirect distribution Lamps LED 3000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 5100 lm Power consumption = 28.3 W Luminous efficacy = 180.2 lm/W	serial documentation 18.01.2024





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: 51TM16DN35XG EAN: 4058352054352	LP number 58520_373
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: 51TM16DN35XG EAN: 4058352054352	LP number 58520_373
--	--	-------------------------------

UGR-Table	Standard room	siteco
------------------	----------------------	---------------

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	16.7	18.0	17.3	18.6	19.2	12.9	14.2	13.5	14.8	15.4
	3H	17.3	18.4	17.9	19.0	19.7	13.3	14.5	13.9	15.1	15.7
	4H	17.5	18.5	18.1	19.1	19.9	13.5	14.6	14.1	15.2	15.9
	6H	17.8	18.7	18.4	19.3	20.1	13.7	14.7	14.3	15.3	16.0
	8H	18.0	18.8	18.7	19.5	20.3	13.7	14.6	14.3	15.2	16.0
	12H	18.3	19.1	19.0	19.8	20.6	13.7	14.5	14.3	15.2	16.0
4H	2H	16.7	17.8	17.3	18.4	19.1	13.4	14.4	14.0	15.0	15.8
	3H	17.4	18.3	18.1	18.9	19.7	14.0	14.8	14.6	15.5	16.3
	4H	17.7	18.4	18.4	19.1	19.9	14.3	15.0	14.9	15.7	16.5
	6H	18.1	18.7	18.8	19.5	20.3	14.5	15.2	15.2	15.9	16.7
	8H	18.4	19.0	19.2	19.8	20.6	14.5	15.2	15.3	15.9	16.7
	12H	19.0	19.5	19.7	20.2	21.1	14.6	15.1	15.3	15.8	16.7
8H	4H	17.6	18.2	18.3	19.0	19.8	14.4	15.0	15.1	15.7	16.6
	6H	18.2	18.7	18.9	19.4	20.3	14.8	15.3	15.5	16.0	16.9
	8H	18.7	19.1	19.4	19.9	20.8	15.0	15.4	15.7	16.2	17.1
	12H	19.4	19.8	20.2	20.6	21.5	15.1	15.5	15.8	16.2	17.1
12H	4H	17.6	18.1	18.3	18.9	19.7	14.4	14.9	15.2	15.7	16.6
	6H	18.2	18.6	18.9	19.4	20.3	14.9	15.3	15.7	16.1	17.0
	8H	18.7	19.1	19.5	19.9	20.8	15.1	15.5	15.9	16.3	17.2

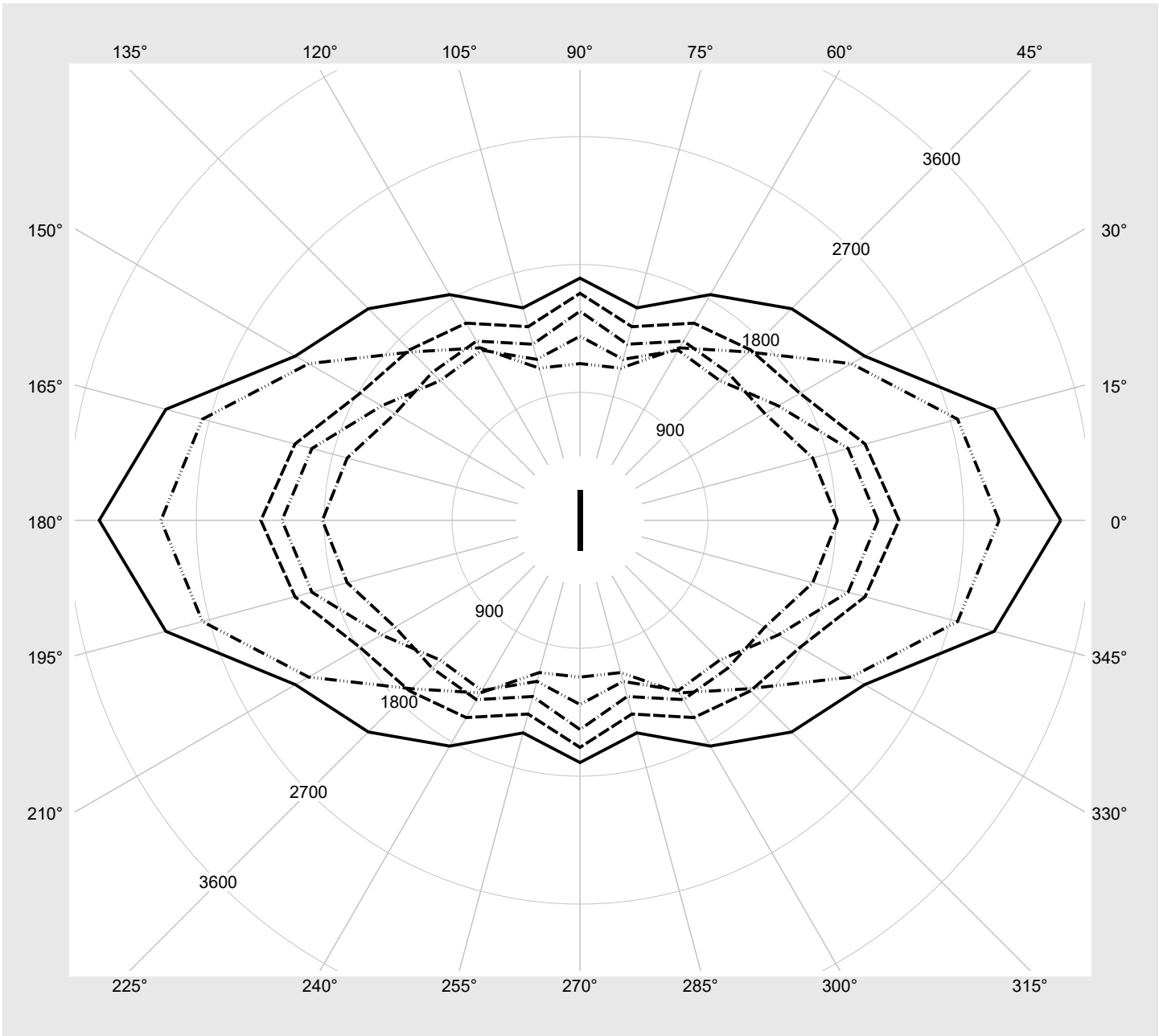
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 36	H(C180) = 36
			B = 115	H(C90) = 0	H(C270) = 0

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°		5693.7	5687.6	6651.3	7796.4	4691.9	3305.1	3206.1	
50°		5296.4	4943.4	4811.2	5688.3	3544.8	2505.3	2478.6	
55°		5018.0	4485.2	3706.5	3958.5	2728.1	2032.0	2078.0	
60°		4417.9	3898.8	2943.2	2803.1	2185.1	1736.9	1845.6	
65°		3383.1	3017.3	2312.1	2105.9	1833.9	1548.0	1704.1	
70°		2245.9	2076.5	1787.6	1696.7	1602.3	1410.8	1597.4	
75°		1812.6	1695.7	1502.6	1470.9	1456.4	1283.1	1471.6	
80°		2097.3	1953.1	1611.6	1390.7	1382.6	1172.7	1295.4	
85°		2949.2	2750.3	2205.2	1675.5	1401.8	1108.7	1102.9	

Photometric test report

Family Licross® 11 Performance	Order number: 51TM16DN35XG EAN: 4058352054352	LP number 58520_373
--	--	--------------------------------------

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



Photometric test report

Family Licross® 11 Performance	Order number: 51TM16DN35XG EAN: 4058352054352	LP number 58520_373
--	--	--------------------------------------

Dimming levels table	environmental temperature: 25°C	sITeco
-----------------------------	---------------------------------	---------------

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	5100	28.3
95	241	252	4847	27.0
90	228	250	4596	25.6
85	215	248	4343	24.3
80	201	245	4071	22.9
75	188	243	3816	21.5
70	176	241	3579	20.2
65	163	238	3323	18.8
60	150	235	3064	17.3
55	137	231	2802	15.9
50	124	228	2542	14.5
45	112	224	2300	13.2
40	99	219	2037	11.7
35	87	215	1793	10.4
30	74	209	1528	9.1
25	62	202	1282	7.8
20	49	194	1014	6.3
15	37	183	764	5.0
10	25	169	514	3.5
9	22	164	452	3.2