

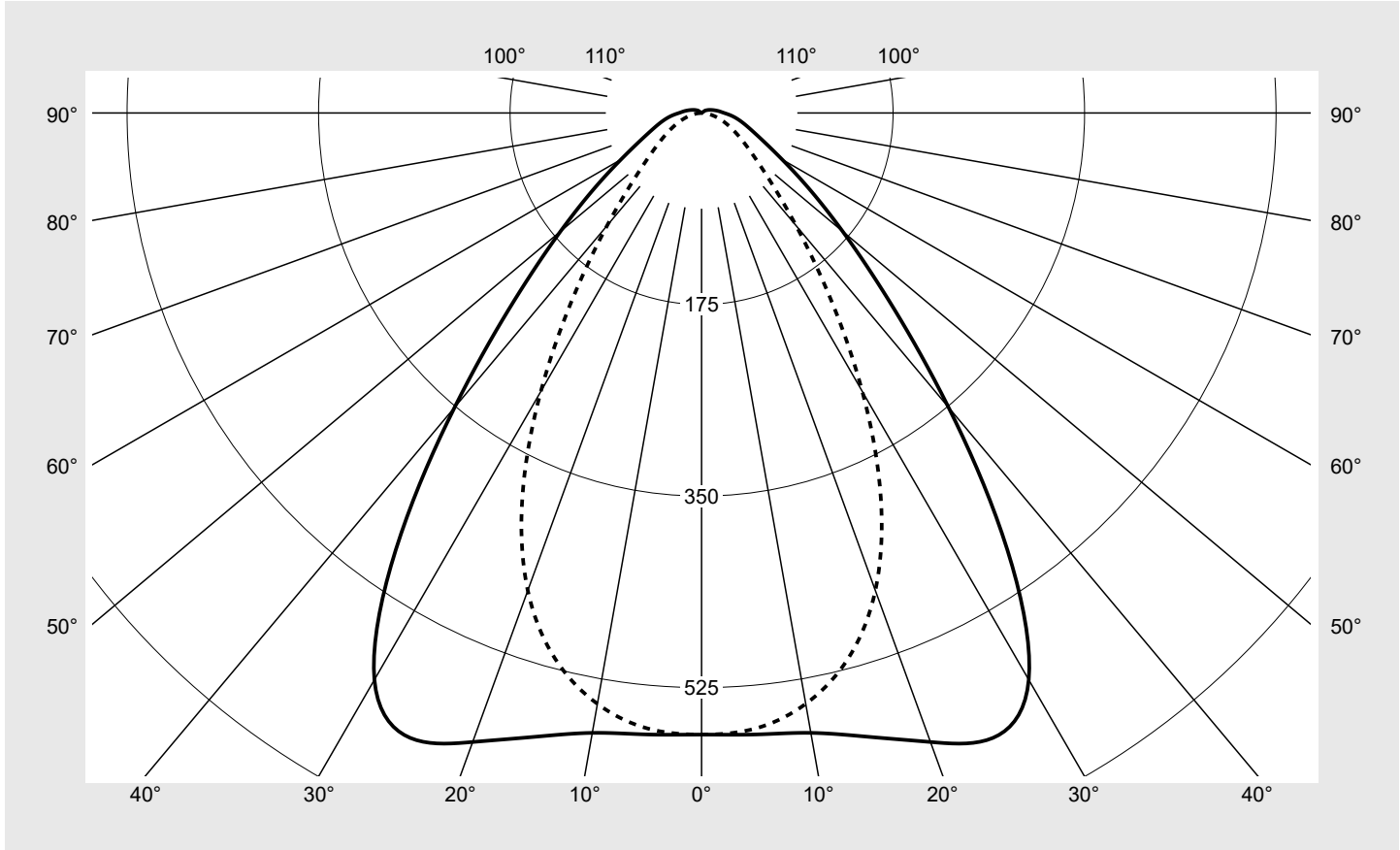


# Photometric test report

<b>Family</b> <b>Licross® 11 Protected</b>	<b>Order number: 51TP12DN6E5ME</b> <b>EAN: 4069025277930</b>	<b>LP number</b> <b>58523_237</b>
	<b>Version</b> prismatic cover, frosted, wide distribution <b>Lamps</b> LED 6500 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 14910 lm Power consumption = 87.3 W Luminous efficacy = 170.8 lm/W	<b>serial documentation</b> 11.11.2024
		

**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 630 cd/klm**



Classifications	
DIN 5040	A 5 1
CIE	N1=70 N2=91 N3=97 N4=98 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	98.3%
$\phi_o$	1.7%

**Measurement conditions**  
DIN EN 13032 and DIN 5032

## Photometric test report

Family <b>Licross® 11 Protected</b>	Order number: <b>51TP12DN6E5ME</b> EAN: <b>4069025277930</b>	LP number <b>58523_237</b>
Table of values for luminous intensities		Maximum luminous intensity
		<b>siteco</b>

C-planes $\gamma$	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°	568.0	568.0	568.0	568.0	568.0	568.0	568.0	3.4	3.4
5°	570.0	568.0	563.9	564.4	565.6	564.2	564.6	27.0	30.4
10°	575.1	572.9	563.4	557.9	553.3	549.0	548.2	53.3	83.7
15°	590.1	586.0	566.8	548.5	532.2	519.9	516.5	78.2	161.9
20°	611.6	603.6	568.7	531.0	496.5	471.9	464.3	100.3	262.2
25°	630.0	617.6	564.2	499.9	441.6	401.0	387.5	117.1	379.3
30°	598.0	589.4	536.5	452.4	368.0	311.9	293.8	123.5	502.8
35°	487.1	490.1	463.2	383.1	284.6	222.1	203.0	114.7	617.4
40°	351.1	360.8	359.1	297.2	205.7	150.3	134.3	94.9	712.3
45°	241.7	250.7	257.1	211.9	140.4	100.6	89.9	72.8	785.1
50°	168.3	174.0	178.9	144.5	94.4	69.8	63.7	54.4	839.5
55°	118.9	121.8	123.3	97.4	64.6	50.4	47.5	40.5	880.0
60°	85.1	85.8	84.4	66.1	45.7	37.4	36.1	30.1	910.0
65°	63.8	62.6	58.2	45.7	33.4	28.1	27.2	22.6	932.7
70°	50.4	47.7	40.8	32.1	24.8	20.7	19.9	17.3	949.9
75°	41.3	37.6	29.5	22.7	17.9	14.5	13.5	13.2	963.2
80°	34.0	30.0	21.9	15.9	12.4	9.4	8.0	10.0	973.1
85°	27.2	23.7	16.4	11.2	8.0	5.3	3.6	7.3	980.4
90°	20.7	17.9	12.0	7.4	4.6	2.2	0.4	5.0	985.4
95°	16.6	14.7	10.2	6.3	3.6	1.3	0.3	4.0	989.4
100°	13.2	11.9	8.5	5.2	2.7	0.8	0.3	3.2	992.6
105°	10.4	9.5	6.9	4.1	1.9	0.4	0.3	2.5	995.1
110°	8.2	7.4	5.5	3.1	1.2	0.3	0.3	1.9	997.0
115°	6.5	5.8	4.2	2.2	0.7	0.4	0.4	1.4	998.4
120°	4.9	4.3	3.0	1.4	0.6	0.5	0.5	1.0	999.4
125°	3.5	3.0	2.0	0.9	0.6	0.5	0.5	0.7	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

## Photometric test report

<b>Family</b> Licross® 11 Protected	<b>Order number: 51TP12DN6E5ME</b> <b>EAN: 4069025277930</b>	<b>LP number</b> 58523_237
--	---	-------------------------------

<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
------------------	----------------------	---------------

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	23.4	24.8	23.7	25.1	25.4	19.2	20.6	19.5	21.0	21.3
	3H	24.0	25.2	24.3	25.6	25.9	19.6	20.9	20.0	21.3	21.6
	4H	24.3	25.5	24.7	25.8	26.2	19.8	21.0	20.2	21.4	21.8
	6H	24.7	25.8	25.1	26.1	26.5	20.0	21.1	20.4	21.5	21.9
	8H	25.0	25.9	25.4	26.3	26.7	20.0	21.1	20.5	21.5	21.9
	12H	25.2	26.1	25.7	26.5	26.9	20.1	21.1	20.5	21.5	21.9
4H	2H	23.4	24.6	23.8	25.0	25.3	19.9	21.0	20.3	21.4	21.8
	3H	24.1	25.2	24.6	25.5	26.0	20.4	21.4	20.8	21.8	22.2
	4H	24.6	25.5	25.0	25.9	26.3	20.7	21.6	21.1	22.0	22.4
	6H	25.2	25.9	25.6	26.4	26.8	20.9	21.7	21.4	22.1	22.6
	8H	25.5	26.2	26.0	26.6	27.1	21.0	21.7	21.4	22.2	22.6
	12H	25.9	26.4	26.3	26.9	27.4	21.1	21.7	21.5	22.2	22.6
8H	4H	24.6	25.3	25.1	25.8	26.2	21.0	21.7	21.5	22.1	22.6
	6H	25.3	25.8	25.7	26.3	26.8	21.3	21.9	21.8	22.4	22.9
	8H	25.7	26.2	26.2	26.7	27.2	21.4	22.0	22.0	22.5	23.0
	12H	26.2	26.6	26.7	27.1	27.6	21.6	22.0	22.1	22.5	23.0
12H	4H	24.6	25.2	25.1	25.7	26.2	21.1	21.7	21.6	22.1	22.6
	6H	25.3	25.8	25.8	26.3	26.8	21.5	21.9	22.0	22.4	23.0
	8H	25.7	26.1	26.2	26.6	27.2	21.6	22.1	22.2	22.6	23.1

<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1480</b>	<b>H(C0) = 13</b>	<b>H(C180) = 13</b>
			<b>B = 78</b>	<b>H(C90) = 0</b>	<b>H(C270) = 0</b>

C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>							
		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°		37842.9	39435.9	41043.7	34618.4	23670.7	17616.3	16427.1	
50°		28215.2	29338.0	30679.5	25458.9	17251.5	13330.3	12802.9	
55°		21622.3	22307.9	23027.8	18769.6	12996.9	10684.3	10701.5	
60°		17057.0	17339.7	17436.7	14184.7	10312.9	8984.6	9315.4	
65°		14361.0	14215.9	13589.3	11141.3	8658.9	7847.2	8305.1	
70°		13047.2	12484.9	11040.5	9157.6	7609.5	6987.7	7505.5	
75°		12696.5	11721.5	9569.2	7871.0	6831.8	6228.7	6738.9	
80°		12991.4	11670.4	8976.2	7106.4	6238.3	5615.6	5963.7	
85°		13857.1	12347.0	9169.6	7054.0	6062.8	5220.8	5366.0	

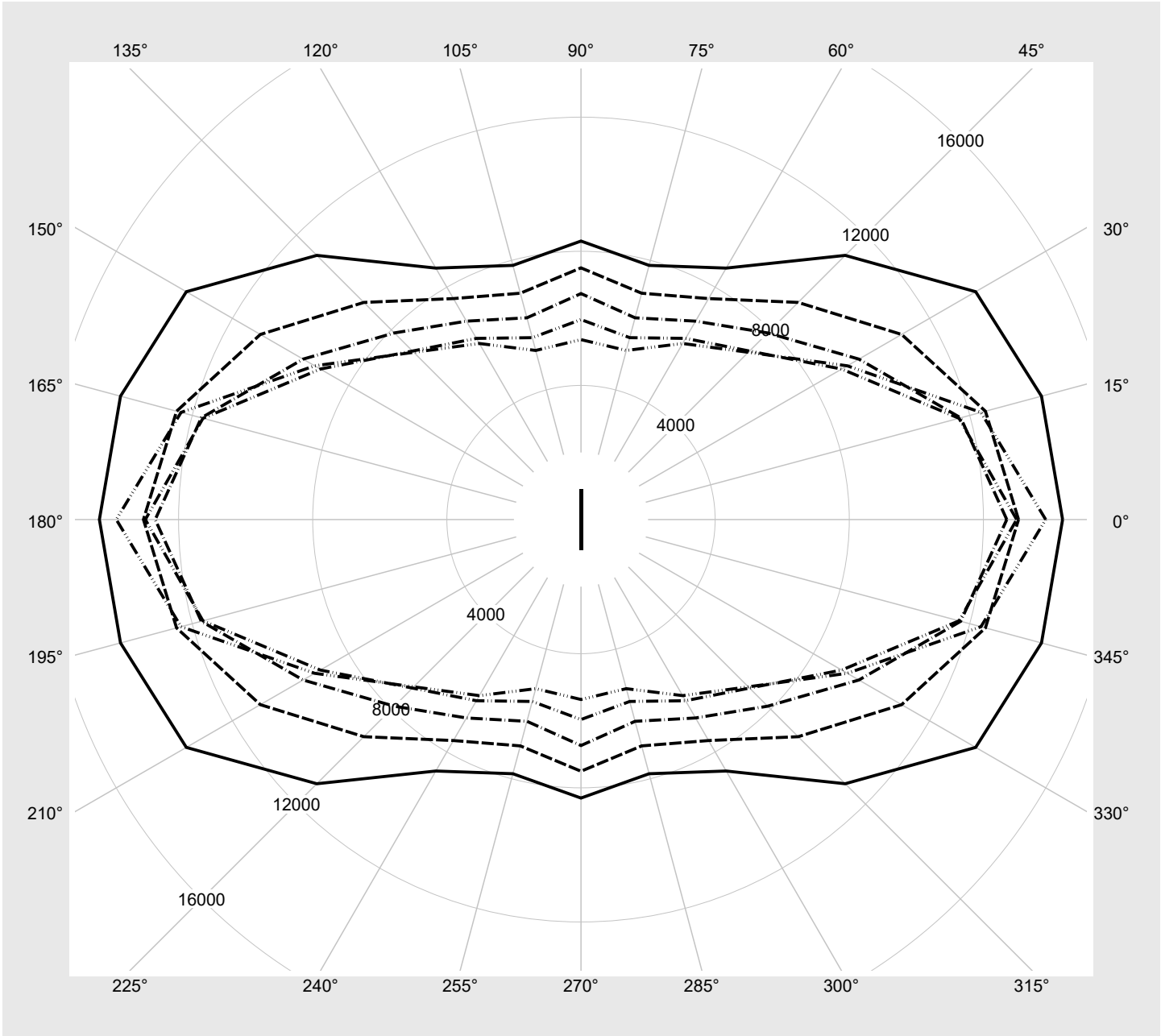
**Photometric test report**

<b>Family</b> <b>Licross® 11 Protected</b>	<b>Order number: 51TP12DN6E5ME</b> <b>EAN: 4069025277930</b>	<b>LP number</b> <b>58523_237</b>
---	---	--------------------------------------

**Luminance values in cd/m<sup>2</sup>**

$\gamma$ 65°	$\gamma$ 70°	$\gamma$ 75°	$\gamma$ 80°	$\gamma$ 85°
--------------	--------------	--------------	--------------	--------------

**siteco**



## Photometric test report

<b>Family</b> Licross® 11 Protected	<b>Order number: 51TP12DN6E5ME</b> <b>EAN: 4069025277930</b>	<b>LP number</b> <b>58523_237</b>
--	---	--------------------------------------

<b>Dimming levels table</b>	environmental temperature: 25°C	<b>sITeco</b>
-----------------------------	---------------------------------	---------------

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	14910	87.3
95	240	252	14155	82.4
90	227	250	13443	77.8
85	213	248	12669	72.9
80	200	245	11942	68.3
75	187	243	11209	64.0
70	173	240	10414	59.1
65	160	237	9671	54.7
60	147	234	8922	50.2
55	135	231	8223	46.2
50	122	227	7461	41.9
45	109	223	6694	37.7
40	97	219	5978	33.7
35	84	213	5198	29.4
30	72	208	4469	25.7
25	60	201	3736	21.8
20	48	193	2994	17.9
15	36	182	2250	14.0
10	24	168	1499	10.1
5	12	142	744	6.4
2	4	102	236	4.0