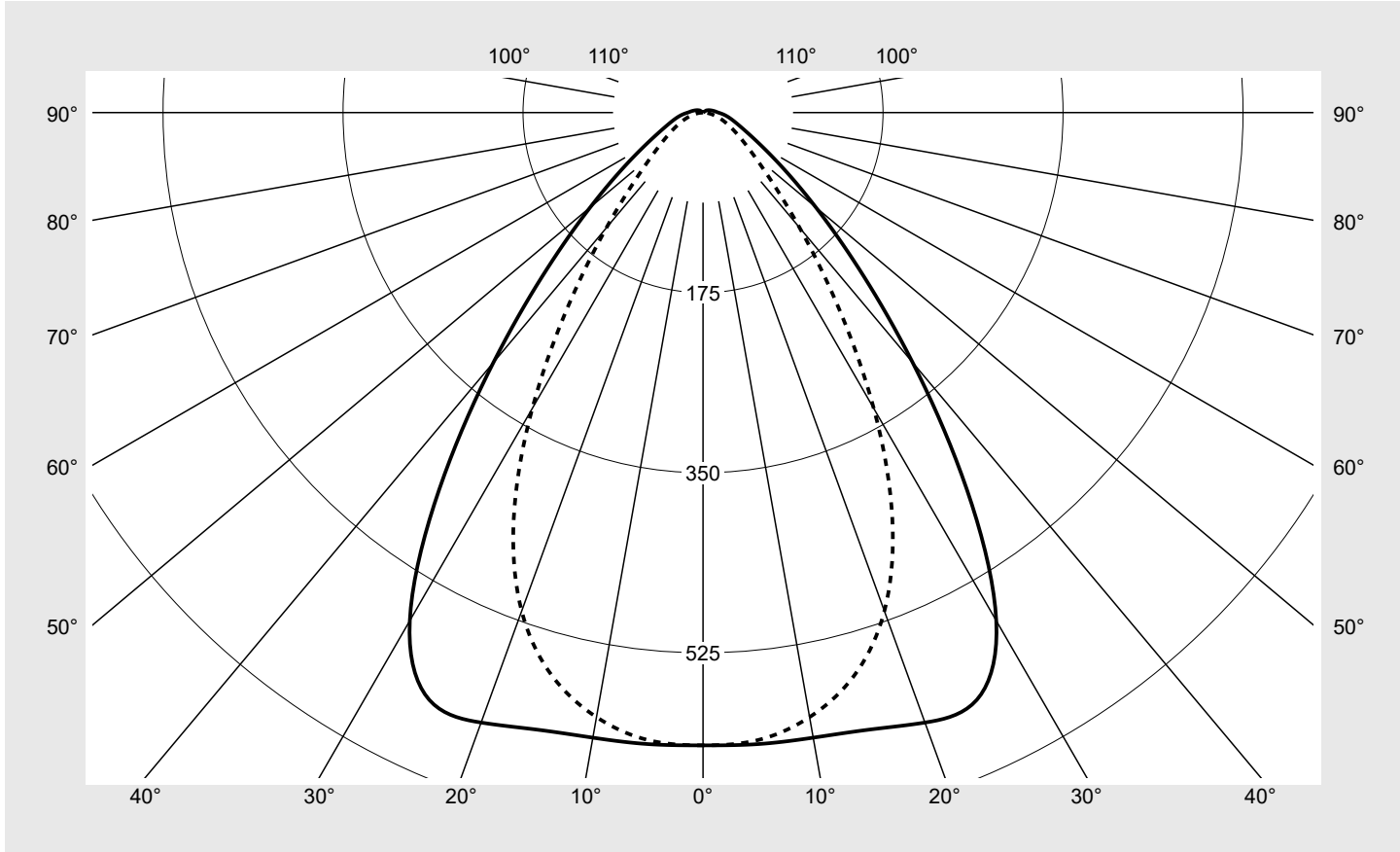


# Photometric test report

<b>Family</b> <b>Licross® 11 Protected</b>	<b>Order number: 51TP12DN49XF3S</b> <b>EAN: 4058352484586</b>	<b>LP number</b> <b>58524_65</b>
	<b>Version</b> prismatic cover, frosted, wide distribution <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Setting</b> emergency light operation: 3 h <b>Rated values</b> Net luminous flux = 870 lm Power consumption = 5.0 W Luminous efficacy = 174 lm/W	<b>serial documentation</b> <b>04.05.2021</b>

sitEco

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 631 cd/klm**



Classifications	
DIN 5040	A 5 1
CIE	N1=73 N2=92 N3=98 N4=99 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	98.6%
$\phi_o$	1.4%

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

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<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<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°	615.0	615.0	615.0	615.0	615.0	615.0	615.0	3.7	3.7
5°	616.1	614.1	609.7	611.1	612.9	611.9	612.2	29.3	32.9
10°	616.9	615.1	606.4	602.8	600.3	597.0	596.6	57.6	90.5
15°	620.9	617.8	600.9	587.5	576.7	568.6	566.8	83.8	174.3
20°	630.8	623.5	591.7	561.2	536.7	520.1	515.5	106.4	280.7
25°	629.8	620.7	576.3	523.2	476.9	445.6	435.5	122.6	403.3
30°	570.2	568.9	534.3	469.6	398.0	348.4	331.9	126.5	529.9
35°	447.2	456.9	450.2	394.1	307.5	246.5	227.0	114.9	644.8
40°	317.0	331.0	344.1	303.2	220.2	163.1	146.0	93.6	738.3
45°	213.9	226.3	244.1	214.7	147.7	105.6	94.0	70.6	808.9
50°	143.1	152.0	166.9	144.8	97.7	70.8	64.1	51.5	860.4
55°	96.6	102.1	111.9	95.1	64.8	49.7	46.3	37.0	897.4
60°	67.0	69.6	74.2	63.4	44.8	36.0	34.5	26.8	924.2
65°	49.0	49.5	50.0	42.8	32.0	26.6	25.7	19.7	943.9
70°	37.9	37.0	34.4	29.4	23.3	19.5	18.8	14.8	958.7
75°	30.5	28.7	24.6	20.4	16.6	13.6	12.7	11.1	969.8
80°	24.8	22.7	18.1	14.1	11.2	8.8	7.6	8.2	978.0
85°	19.7	17.8	13.4	9.8	7.1	4.8	3.4	5.9	983.8
90°	14.9	13.4	9.7	6.4	4.0	1.9	0.4	3.9	987.8
95°	12.2	11.1	8.2	5.4	3.1	1.2	0.3	3.2	991.0
100°	10.0	9.2	6.9	4.5	2.4	0.7	0.3	2.6	993.6
105°	8.2	7.6	5.7	3.6	1.7	0.4	0.3	2.1	995.6
110°	6.8	6.2	4.6	2.7	1.1	0.3	0.3	1.6	997.2
115°	5.5	5.0	3.7	2.0	0.7	0.4	0.4	1.2	998.4
120°	4.3	3.8	2.7	1.4	0.6	0.5	0.5	0.9	999.3
125°	3.1	2.7	1.8	0.9	0.6	0.6	0.6	0.6	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

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<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
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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	12.8	14.2	13.1	14.5	14.8	9.5	11.0	9.9	11.3	11.6
	3H	13.2	14.5	13.6	14.8	15.2	9.9	11.2	10.3	11.5	11.8
	4H	13.4	14.6	13.8	15.0	15.3	10.0	11.2	10.4	11.6	12.0
	6H	13.7	14.8	14.1	15.1	15.5	10.2	11.3	10.6	11.6	12.0
	8H	14.0	14.9	14.4	15.3	15.7	10.2	11.3	10.7	11.6	12.0
	12H	14.1	15.0	14.6	15.4	15.8	10.3	11.2	10.7	11.6	12.0
4H	2H	12.8	14.0	13.2	14.4	14.8	10.1	11.2	10.5	11.6	11.9
	3H	13.4	14.4	13.8	14.8	15.2	10.5	11.5	11.0	11.9	12.3
	4H	13.7	14.6	14.2	15.0	15.5	10.8	11.6	11.2	12.0	12.5
	6H	14.1	14.9	14.6	15.3	15.8	10.9	11.7	11.4	12.1	12.6
	8H	14.4	15.0	14.9	15.5	16.0	11.0	11.7	11.5	12.2	12.6
	12H	14.7	15.2	15.2	15.7	16.2	11.1	11.7	11.6	12.2	12.6
8H	4H	13.7	14.4	14.2	14.9	15.4	11.0	11.7	11.5	12.1	12.6
	6H	14.2	14.8	14.7	15.3	15.8	11.3	11.8	11.8	12.3	12.8
	8H	14.5	15.1	15.1	15.5	16.1	11.4	11.9	11.9	12.4	12.9
	12H	14.9	15.4	15.5	15.9	16.4	11.5	11.9	12.0	12.4	13.0
12H	4H	13.7	14.3	14.2	14.8	15.3	11.1	11.6	11.5	12.1	12.6
	6H	14.3	14.7	14.8	15.2	15.7	11.4	11.8	11.9	12.3	12.8
	8H	14.6	15.0	15.1	15.5	16.1	11.5	11.9	12.0	12.4	13.0

<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°	1954.4	2077.1	2273.4	2046.8	1452.9	1079.1	1002.2	
	50°	1399.4	1495.3	1670.1	1489.0	1042.1	789.2	751.1	
	55°	1024.8	1090.4	1218.7	1069.5	760.9	614.7	608.4	
	60°	784.1	820.2	895.0	793.4	589.5	505.4	519.4	
	65°	644.3	656.6	680.2	608.6	483.7	434.9	458.3	
	70°	572.9	565.8	543.5	489.8	417.0	384.8	413.4	
	75°	547.7	522.5	464.7	412.9	368.2	341.3	371.2	
	80°	553.7	515.4	432.5	366.9	331.3	306.1	330.0	
	85°	585.4	540.9	438.7	359.8	316.5	279.8	298.0	

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

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

