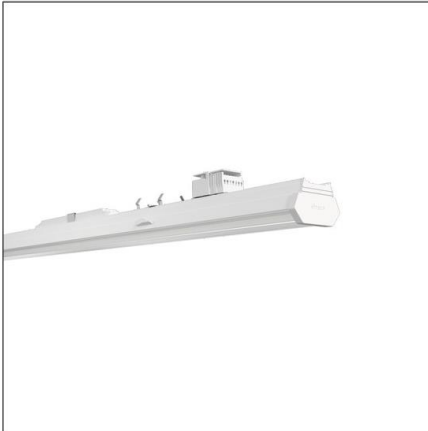


## Photometric test report

Family  
Licross® Protected

Order number: 51TS12CN4C5LD  
EAN: 4058352418598

LP number  
58521\_24



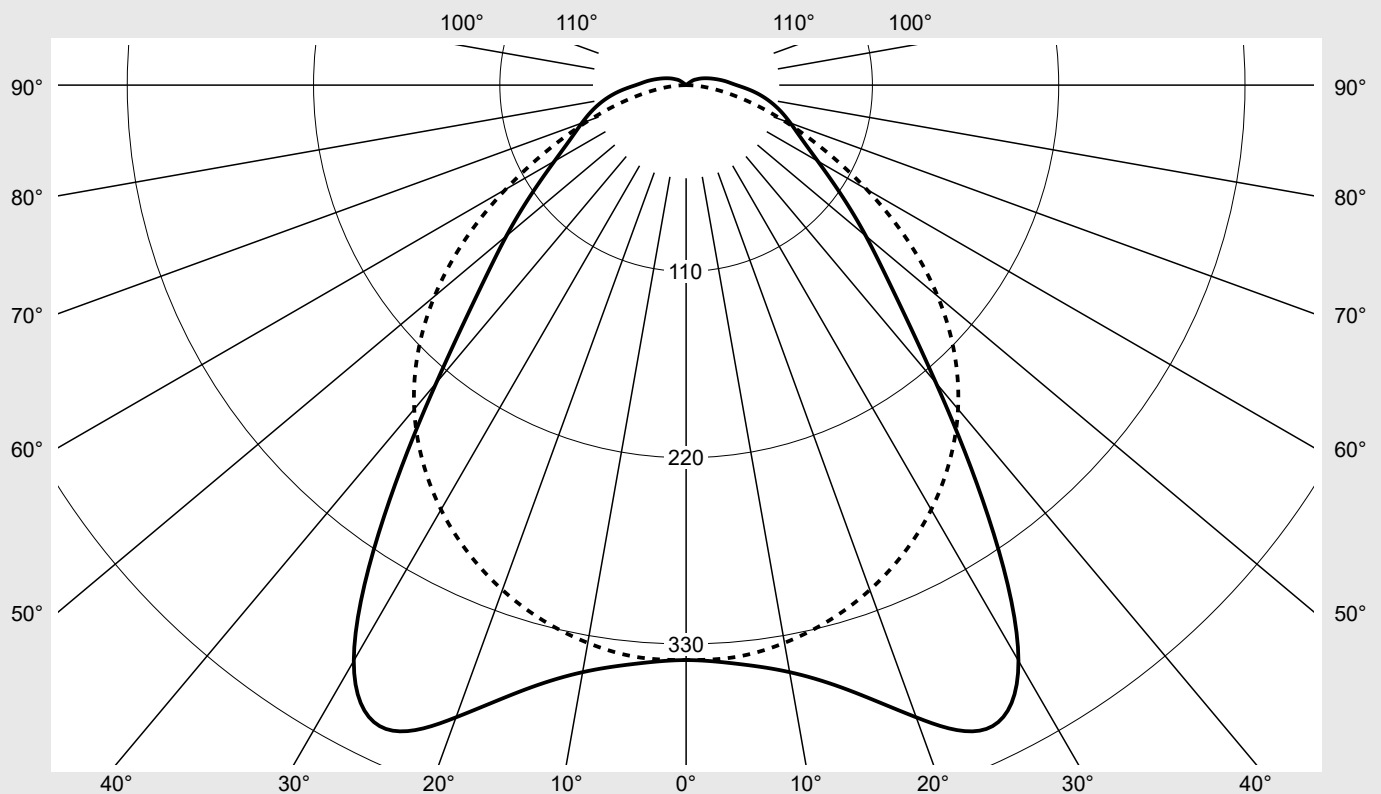
**Version** prismatic cover, frosted, wide distribution  
**Lamps** LED 4000 K | CRI ≥ 80  
**Controlgear** ECG-Multilumen CLOi  
**Setting** AC-mode  
**Rated values** Net luminous flux = 12600 lm  
Power consumption = 78.7 W  
Luminous efficacy = 160.1 lm/W

serial  
documentation  
26.08.2020

siteco

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

Imax: 419 cd/klm



### Classifications

DIN 5040 A 4 1  
CIE N1=54 N2=82 N3=95  
N4=97 N5=100

### Luminaire light output ratios

$\eta_{LB}$  100.0%  
 $\phi_u$  96.8%  
 $\phi_o$  3.2%

### Measurement conditions

DIN EN 13032 and DIN 5032

## Photometric test report

Family <b>Licross® Protected</b>	Order number: <b>51TS12CN4C5LD</b> EAN: <b>4058352418598</b>	LP number <b>58521_24</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°	339.5	339.5	339.5	339.5	339.5	339.5	339.5	2.0	2.0
5°	343.0	342.0	339.2	339.3	339.7	338.8	338.9	16.2	18.3
10°	352.0	350.9	345.1	341.6	338.4	335.1	334.4	32.6	50.9
15°	369.7	367.9	356.8	346.8	337.2	329.4	327.1	49.3	100.2
20°	397.2	393.9	374.9	354.6	335.9	321.8	317.2	66.8	167.0
25°	419.5	416.9	395.3	365.3	334.4	312.1	304.6	84.4	251.4
30°	392.5	397.1	392.3	370.7	332.1	300.1	289.4	97.4	348.9
35°	311.0	322.2	341.8	350.7	323.8	285.3	271.2	100.3	449.2
40°	229.5	240.6	267.7	298.9	299.5	266.8	249.8	94.7	543.9
45°	174.0	182.0	204.5	237.4	256.3	239.9	224.1	85.2	629.1
50°	138.5	144.4	161.2	187.1	207.0	203.8	193.9	74.9	704.0
55°	110.9	115.6	129.9	149.5	163.4	162.9	159.6	64.1	768.1
60°	89.8	92.9	103.5	120.2	127.5	124.1	123.1	53.4	821.5
65°	75.3	77.0	82.7	94.9	98.6	91.3	89.2	43.6	865.1
70°	65.6	65.8	66.8	73.1	74.5	64.6	61.3	35.1	900.1
75°	57.2	56.6	54.5	55.3	53.6	43.2	39.2	27.5	927.6
80°	48.6	47.5	44.1	40.6	36.2	26.8	21.9	20.7	948.4
85°	39.1	38.1	34.6	29.4	22.8	14.4	9.2	14.9	963.2
90°	29.7	28.9	25.8	20.2	13.1	5.9	0.8	10.0	973.2
95°	24.0	23.5	21.5	16.6	10.0	3.6	0.7	8.0	981.2
100°	19.1	18.8	17.3	13.3	7.4	1.9	0.7	6.2	987.3
105°	15.1	14.8	13.5	10.2	5.0	0.8	0.6	4.6	991.9
110°	11.8	11.4	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.1	8.6	7.4	4.7	1.4	0.7	0.7	2.3	997.5
120°	6.7	6.2	4.9	2.7	0.8	0.7	0.8	1.5	999.1
125°	4.5	4.0	2.9	1.3	0.8	0.8	0.8	0.9	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

Family <b>Licross® Protected</b>	Order number: <b>51TS12CN4C5LD</b> EAN: <b>4058352418598</b>	LP number <b>58521_24</b>
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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	22.0	23.6	22.3	23.9	24.2	23.8	25.5	24.2	25.8	26.1
	3H	23.2	24.6	23.5	25.0	25.3	24.8	26.3	25.2	26.6	27.0
	4H	23.9	25.2	24.2	25.6	26.0	25.2	26.6	25.6	26.9	27.3
	6H	24.6	25.9	25.0	26.3	26.7	25.4	26.7	25.9	27.1	27.5
	8H	25.0	26.2	25.5	26.6	27.0	25.6	26.7	26.0	27.1	27.5
	12H	25.4	26.6	25.8	26.9	27.4	25.6	26.7	26.0	27.1	27.5
4H	2H	22.8	24.2	23.2	24.5	24.9	24.3	25.6	24.7	26.0	26.4
	3H	24.2	25.4	24.6	25.7	26.1	25.5	26.7	26.0	27.1	27.5
	4H	25.0	26.1	25.4	26.5	26.9	26.0	27.1	26.5	27.5	27.9
	6H	25.9	26.8	26.4	27.3	27.7	26.4	27.3	26.8	27.8	28.2
	8H	26.4	27.2	26.8	27.7	28.1	26.5	27.4	27.0	27.8	28.3
	12H	26.9	27.6	27.3	28.1	28.6	26.6	27.4	27.1	27.8	28.3
8H	4H	25.4	26.3	25.9	26.7	27.2	26.3	27.2	26.8	27.6	28.1
	6H	26.5	27.2	27.0	27.7	28.2	26.8	27.6	27.3	28.0	28.5
	8H	27.1	27.7	27.6	28.2	28.7	27.0	27.7	27.5	28.2	28.7
	12H	27.7	28.3	28.2	28.8	29.3	27.2	27.8	27.7	28.3	28.8
12H	4H	25.5	26.2	26.0	26.7	27.2	26.4	27.1	26.9	27.6	28.1
	6H	26.6	27.2	27.1	27.7	28.2	27.0	27.6	27.5	28.1	28.6
	8H	27.3	27.8	27.8	28.3	28.9	27.2	27.8	27.7	28.3	28.8

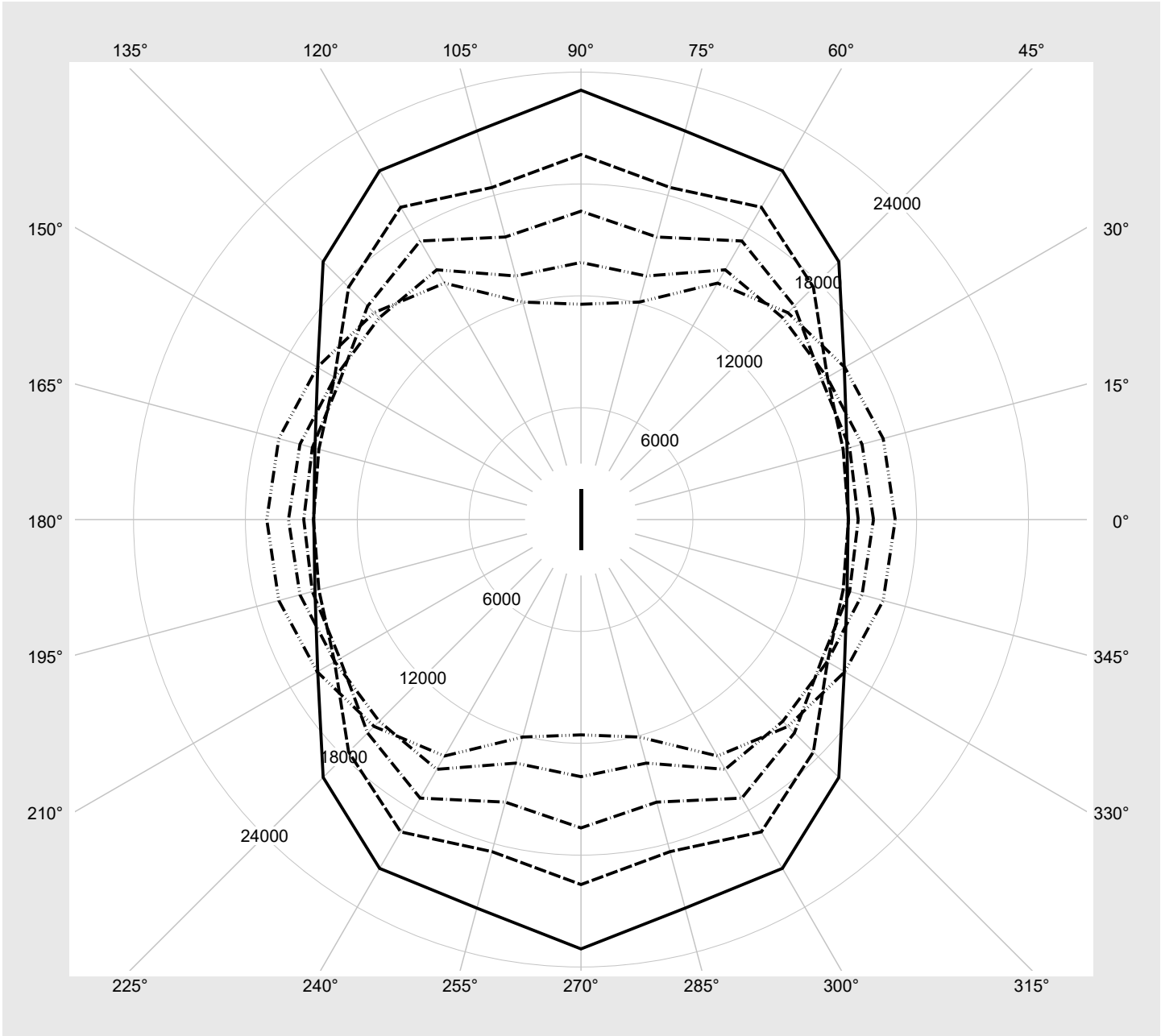
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1480</b>	<b>H(C0) = 13</b>	<b>H(C180) = 13</b>
			<b>B = 78</b>	<b>H(C90) = 0</b>	<b>H(C270) = 0</b>

C-planes	$\gamma$	0° 180°	15°	30°	45°	60°	75°	90° 270°
			165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°	
			Luminance in cd/m²					
45°		23020.7	24191.9	27590.0	32782.3	36522.2	35496.4	34587.0
50°		19626.6	20575.5	23360.0	27850.7	31975.9	32916.0	32924.7
55°		17040.4	17883.8	20496.2	24347.0	27782.5	29204.9	30363.3
60°		15206.4	15856.8	18077.6	21784.5	24324.2	25216.0	26864.5
65°		14333.4	14773.8	16306.5	19557.7	21605.2	21577.4	23030.5
70°		14348.6	14557.2	15263.7	17627.2	19345.1	18442.3	19577.4
75°		14870.4	14918.2	14930.8	16188.2	17253.9	15691.5	16540.5
80°		15688.9	15605.7	15246.8	15306.2	15469.7	13525.2	13791.8
85°		16855.7	16780.6	16335.9	15693.6	14645.0	12077.5	11549.0

**Photometric test report**

<b>Family</b> <b>Licross® Protected</b>	<b>Order number: 51TS12CN4C5LD</b> <b>EAN: 4058352418598</b>	<b>LP number</b> <b>58521_24</b>
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**Luminance values in cd/m<sup>2</sup>**     γ 65°   γ 70°   γ 75°   γ 80°   γ 85°     **siteco**



### Photometric test report

Family <b>Licross® Protected</b>	Order number: <b>51TS12CN4C5LD</b> EAN: <b>4058352418598</b>	LP number <b>58521_24</b>
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<b>Multilumen Table</b>	environmental temperature: 25°C	<b>sITeco</b>
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption	Power consumption
	1	2	3			end of lifetime [W]	average [W]
1	A	C	E	12600	78.7	87.9	83.3
2	A	C	F	11060	67.9	75.6	71.8
3	A	D	E	10070	61.3	68.0	64.6
4	A	D	F	9070	54.7	60.5	57.6
5	B	C	E	8060	48.2	53.5	50.8
6	B	C	F	7100	42.2	46.5	44.4
7	B	D	E	6050	35.8	39.2	37.5
8	B	D	F	5060	30.0	32.9	31.4