

## Photometric test report

Family  
Licross® Protected



Order number: 51TP11CN4DXRD  
EAN: 4058352418390

LP number  
58525\_18

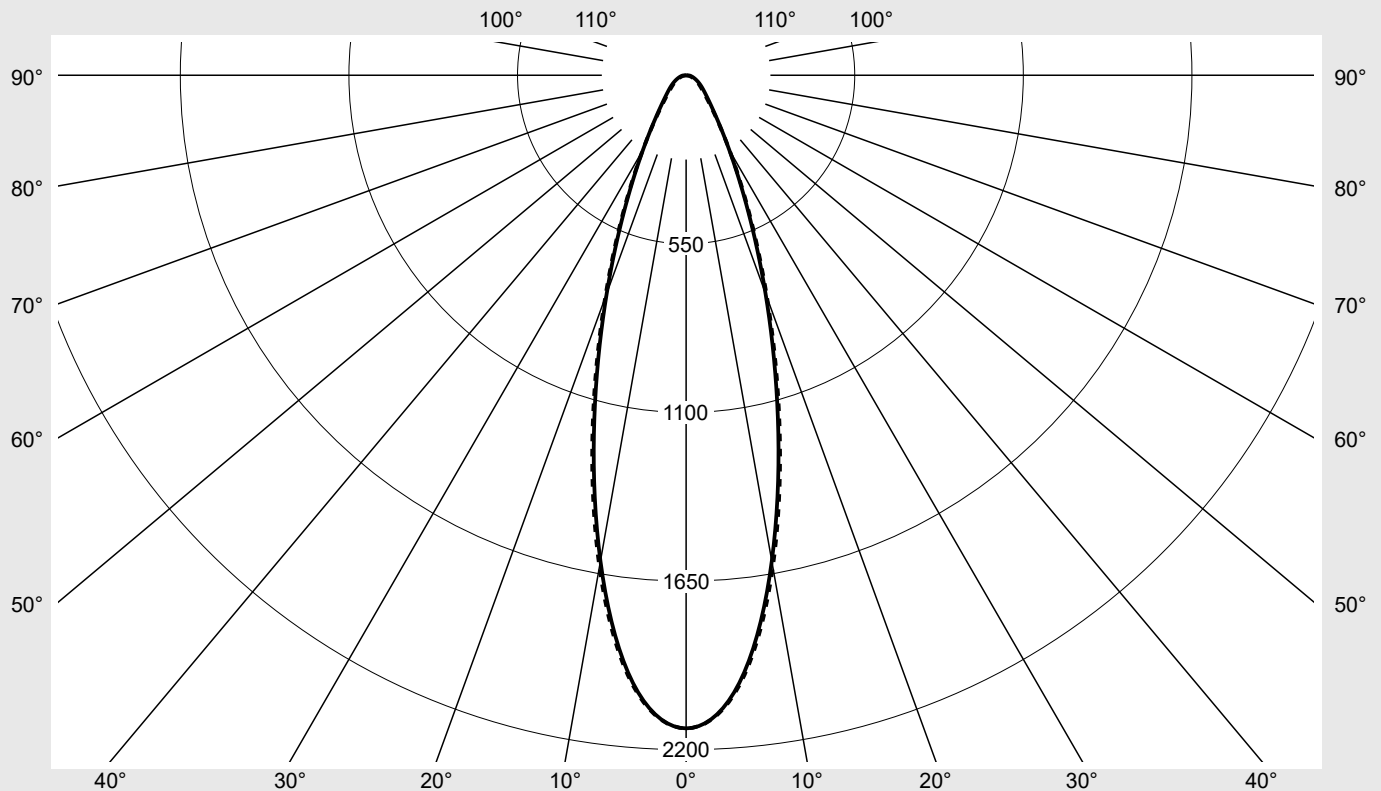
**Version** prismatic cover, frosted, narrow distribution  
**Lamps** LED 4000 K | CRI ≥ 80  
**Controlgear** ECG-Multilumen CLOi  
**Setting** DC mode (central or group accumulator) initial emergency light level  
**Rated values** Net luminous flux = 3360 lm  
 Power consumption = 21.6 W  
 Luminous efficacy = 155.6 lm/W

serial  
documentation  
26.08.2020

sitEco

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

Imax: 2130 cd/klm



### Classifications

DIN 5040 A 7 1  
 CIE N1=84 N2=94 N3=98  
 N4=99 N5=100

### Luminaire light output ratios

$\eta_{LB}$  100.0%  
 $\phi_u$  99.1%  
 $\phi_o$  0.9%

### 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 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°	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	12.7	12.7
5°	1990.0	1982.4	1972.8	1980.9	1991.5	1994.0	1997.3	94.9	107.6
10°	1609.4	1602.7	1594.9	1604.0	1616.7	1623.6	1628.9	153.3	260.9
15°	1156.5	1152.7	1146.1	1151.7	1161.7	1170.4	1176.7	164.3	425.2
20°	757.1	754.5	751.0	754.8	760.5	766.7	772.3	142.2	567.4
25°	464.1	463.3	461.4	464.7	468.5	471.4	475.4	108.1	675.5
30°	281.8	280.0	276.3	277.8	280.6	282.2	284.6	76.7	752.2
35°	178.8	175.8	169.5	168.1	169.9	172.0	174.0	54.1	806.3
40°	123.8	119.7	111.6	107.8	108.9	112.2	115.0	39.9	846.2
45°	92.5	87.9	79.0	74.1	74.5	78.8	82.8	31.1	877.3
50°	72.9	68.3	60.1	54.9	54.7	59.1	63.7	25.6	902.9
55°	58.5	54.5	47.8	42.9	42.0	45.8	50.2	21.5	924.4
60°	46.6	43.5	38.6	34.6	32.9	35.6	39.1	18.0	942.5
65°	36.7	34.5	31.1	28.0	26.1	27.3	29.5	14.9	957.4
70°	28.5	27.0	24.6	22.5	20.4	20.1	21.2	12.0	969.4
75°	21.8	20.7	19.0	17.5	15.4	14.0	14.0	9.2	978.6
80°	16.2	15.4	14.3	12.9	10.9	8.9	8.1	6.7	985.3
85°	11.7	11.2	10.3	9.1	7.1	4.7	3.5	4.6	989.8
90°	8.1	7.7	6.9	5.8	3.9	1.7	0.3	2.8	992.6
95°	6.9	6.6	5.8	4.7	3.0	1.1	0.2	2.3	994.8
100°	6.0	5.6	4.9	3.8	2.2	0.6	0.2	1.8	996.7
105°	5.1	4.8	4.0	2.9	1.5	0.3	0.2	1.4	998.1
110°	4.3	4.0	3.2	2.2	0.9	0.2	0.2	1.1	999.2
115°	3.6	3.2	2.5	1.6	0.5	0.3	0.3	0.8	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	12.3	13.5	12.6	13.8	14.1	11.9	13.1	12.3	13.4	13.7
	3H	13.3	14.4	13.7	14.8	15.1	12.8	13.9	13.2	14.2	14.6
	4H	13.9	14.8	14.3	15.2	15.6	13.2	14.2	13.6	14.5	14.9
	6H	14.3	15.2	14.7	15.6	16.0	13.5	14.4	13.9	14.7	15.1
	8H	14.6	15.4	15.1	15.8	16.2	13.7	14.4	14.1	14.8	15.2
	12H	14.8	15.5	15.3	15.9	16.3	13.7	14.4	14.1	14.8	15.2
4H	2H	12.5	13.5	12.9	13.9	14.2	12.2	13.2	12.6	13.5	13.9
	3H	13.8	14.6	14.2	15.0	15.4	13.3	14.1	13.7	14.5	14.9
	4H	14.4	15.2	14.9	15.6	16.0	13.8	14.5	14.2	14.9	15.4
	6H	15.1	15.7	15.5	16.1	16.6	14.2	14.8	14.6	15.2	15.7
	8H	15.4	15.9	15.8	16.4	16.8	14.3	14.9	14.8	15.3	15.8
	12H	15.7	16.1	16.2	16.6	17.1	14.4	14.9	14.9	15.4	15.9
8H	4H	14.6	15.2	15.1	15.6	16.1	14.0	14.6	14.5	15.0	15.5
	6H	15.4	15.8	15.9	16.3	16.8	14.5	15.0	15.0	15.5	16.0
	8H	15.8	16.2	16.3	16.7	17.2	14.7	15.1	15.2	15.6	16.2
	12H	16.2	16.5	16.7	17.0	17.5	14.9	15.2	15.4	15.7	16.3
12H	4H	14.6	15.1	15.1	15.6	16.1	14.1	14.5	14.6	15.0	15.5
	6H	15.4	15.8	16.0	16.3	16.8	14.6	15.0	15.2	15.5	16.0
	8H	15.9	16.2	16.4	16.7	17.2	14.9	15.2	15.4	15.7	16.3

<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°		3264.6	3114.8	2842.3	2729.0	2831.7	3110.2	3406.2	
50°		2754.2	2595.4	2323.5	2181.2	2251.3	2546.6	2882.4	
55°		2399.3	2250.0	2010.8	1864.1	1903.3	2190.9	2547.8	
60°		2107.2	1982.0	1797.5	1670.5	1675.8	1929.6	2276.1	
65°		1862.4	1766.5	1637.6	1541.5	1526.3	1718.3	2029.4	
70°		1662.4	1591.4	1499.4	1444.3	1415.9	1532.4	1802.0	
75°		1508.2	1452.3	1387.7	1364.0	1321.6	1352.7	1575.9	
80°		1398.2	1352.8	1316.8	1297.1	1236.9	1192.5	1350.0	
85°		1348.6	1313.0	1297.5	1299.4	1208.2	1061.1	1166.2	

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**Luminance values in cd/m<sup>2</sup>**     γ 65°   γ 70°   γ 75°   γ 80°   γ 85°     **siteco**

