

## Photometric test report

Family  
Licross® Protected

Order number: 51TP11CN48XFD  
EAN: 4058352418376

LP number  
58526\_23



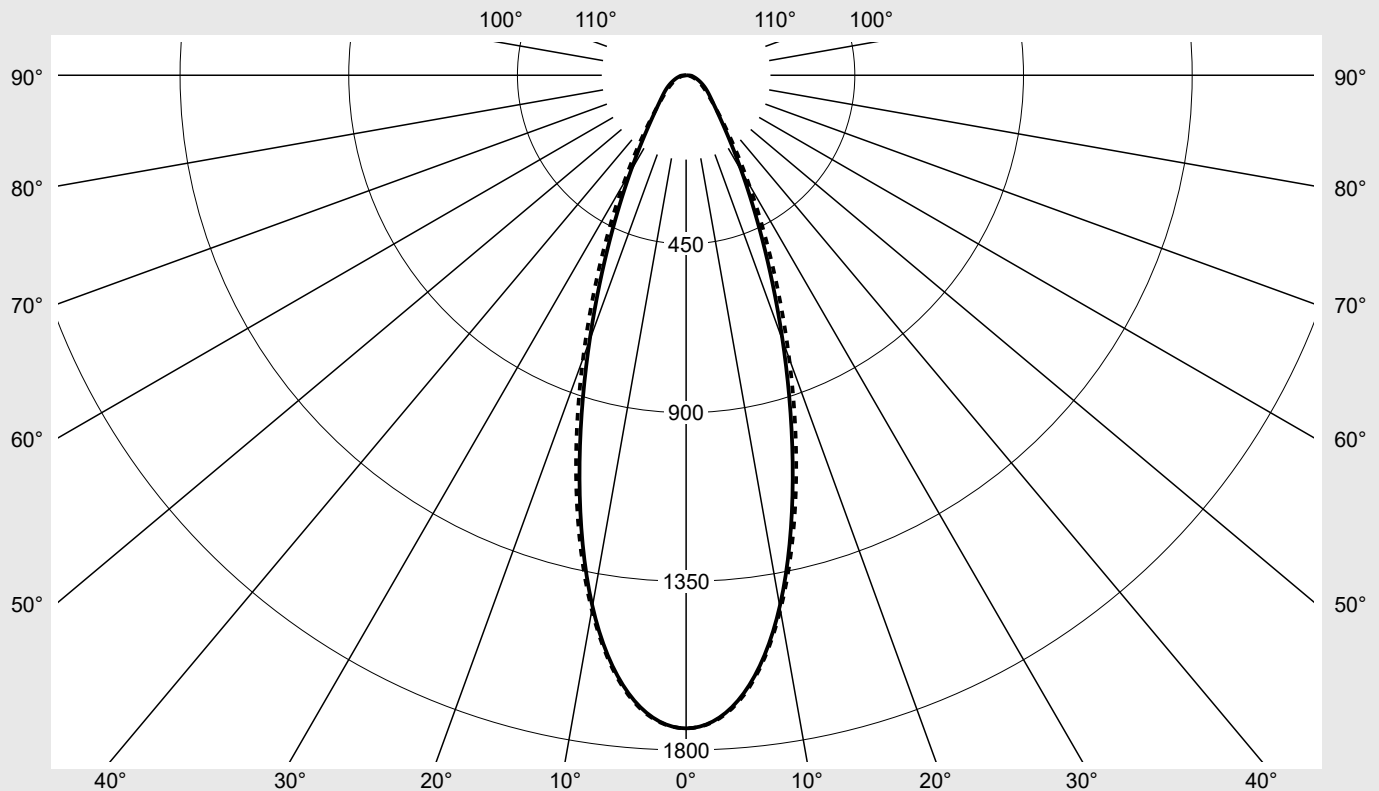
**Version** prismatic cover, frosted, narrow distribution  
**Lamps** LED 4000 K | CRI ≥ 80  
**Controlgear** ECG-Multilumen CLOi  
**Setting** AC-mode  
**Rated values** Net luminous flux = 8140 lm  
Power consumption = 49.0 W  
Luminous efficacy = 166.1 lm/W

serial  
documentation  
26.08.2020

siteco

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

Imax: 1742 cd/klm



### Classifications

DIN 5040 A 7 0  
CIE N1=83 N2=94 N3=98  
N4=100 N5=100

### Luminaire light output ratios

$\eta_{LB}$  100.0%  
 $\phi_u$  100.0%  
 $\phi_o$  0.0%

### Measurement conditions

DIN EN 13032 and DIN 5032

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**sITeco**

<b>Table of values for luminous intensities</b>	<b>Maximum luminous intensity</b>
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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°	1742.2	1742.2	1742.2	1742.2	1742.2	1742.2	1742.2	10.4	10.4
5°	1666.1	1675.3	1660.6	1665.8	1671.6	1669.6	1670.7	79.7	90.1
10°	1438.7	1454.0	1443.6	1449.9	1452.8	1449.1	1448.5	137.9	228.0
15°	1099.0	1113.1	1114.3	1128.7	1137.3	1134.2	1132.4	159.4	387.5
20°	752.6	761.9	768.4	788.3	803.8	805.8	803.7	147.1	534.5
25°	477.8	482.8	489.1	506.4	523.2	529.8	529.1	117.2	651.7
30°	296.4	297.2	300.0	310.9	324.6	332.2	333.5	85.9	737.6
35°	189.3	187.5	185.3	189.4	198.7	205.9	208.7	61.1	798.7
40°	131.6	127.9	121.5	120.2	125.3	132.4	136.6	44.7	843.4
45°	99.4	94.4	85.5	81.0	83.2	90.3	95.8	34.4	877.7
50°	79.8	74.4	64.7	58.7	59.3	65.8	72.1	27.9	905.7
55°	65.2	60.1	51.3	45.2	44.8	50.3	56.0	23.4	929.0
60°	52.4	48.1	41.3	36.1	35.0	38.9	43.4	19.6	948.6
65°	41.2	37.9	33.1	29.2	27.7	29.8	32.8	16.1	964.7
70°	31.9	29.5	26.2	23.4	21.7	22.1	23.6	12.9	977.6
75°	24.4	22.6	20.2	18.2	16.5	15.4	15.7	10.0	987.6
80°	18.3	17.0	15.2	13.6	11.8	9.9	9.2	7.3	994.9
85°	13.3	12.5	11.1	9.7	7.7	5.4	4.2	5.0	1000.0
90°	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	15.9	17.1	16.2	17.4	17.7	15.7	17.0	16.1	17.3	17.6
	3H	17.0	18.1	17.4	18.4	18.8	16.6	17.7	17.0	18.0	18.4
	4H	17.5	18.5	17.9	18.9	19.2	17.0	18.0	17.4	18.4	18.7
	6H	18.0	18.9	18.4	19.3	19.7	17.3	18.2	17.7	18.6	19.0
	8H	18.3	19.1	18.8	19.5	19.9	17.5	18.2	17.9	18.6	19.0
	12H	18.6	19.3	19.0	19.7	20.1	17.5	18.2	18.0	18.6	19.1
4H	2H	16.1	17.1	16.5	17.5	17.8	16.0	17.0	16.4	17.3	17.7
	3H	17.4	18.2	17.8	18.6	19.1	17.0	17.9	17.4	18.3	18.7
	4H	18.1	18.8	18.5	19.2	19.7	17.5	18.3	17.9	18.7	19.1
	6H	18.7	19.3	19.2	19.8	20.2	17.9	18.5	18.4	19.0	19.5
	8H	19.0	19.6	19.5	20.0	20.5	18.1	18.6	18.5	19.1	19.6
	12H	19.4	19.8	19.9	20.3	20.8	18.2	18.7	18.7	19.1	19.6
8H	4H	18.2	18.8	18.7	19.2	19.7	17.7	18.3	18.2	18.7	19.2
	6H	19.0	19.5	19.5	19.9	20.5	18.2	18.7	18.7	19.2	19.7
	8H	19.4	19.8	19.9	20.3	20.8	18.5	18.9	19.0	19.4	19.9
	12H	19.9	20.2	20.4	20.7	21.3	18.7	19.0	19.2	19.5	20.0
12H	4H	18.3	18.7	18.8	19.2	19.7	17.8	18.2	18.3	18.7	19.2
	6H	19.1	19.4	19.6	19.9	20.5	18.4	18.7	18.9	19.2	19.7
	8H	19.5	19.9	20.1	20.4	20.9	18.6	18.9	19.1	19.5	20.0

<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°		8498.4	8108.9	7448.3	7228.1	7662.4	8631.3	9549.6	
50°		7303.3	6844.5	6057.3	5647.9	5916.1	6869.6	7907.6	
55°		6471.5	6004.0	5231.6	4755.8	4924.5	5823.5	6889.3	
60°		5732.6	5309.5	4661.3	4223.3	4308.4	5105.8	6118.5	
65°		5067.4	4705.6	4221.7	3887.2	3917.7	4557.5	5477.1	
70°		4515.1	4211.3	3867.4	3640.2	3647.9	4065.9	4859.3	
75°		4099.2	3846.3	3585.1	3443.4	3431.8	3619.9	4289.8	
80°		3812.2	3606.8	3390.4	3313.3	3246.4	3227.0	3730.9	
85°		3695.7	3564.5	3391.5	3344.0	3209.6	2943.5	3367.2	

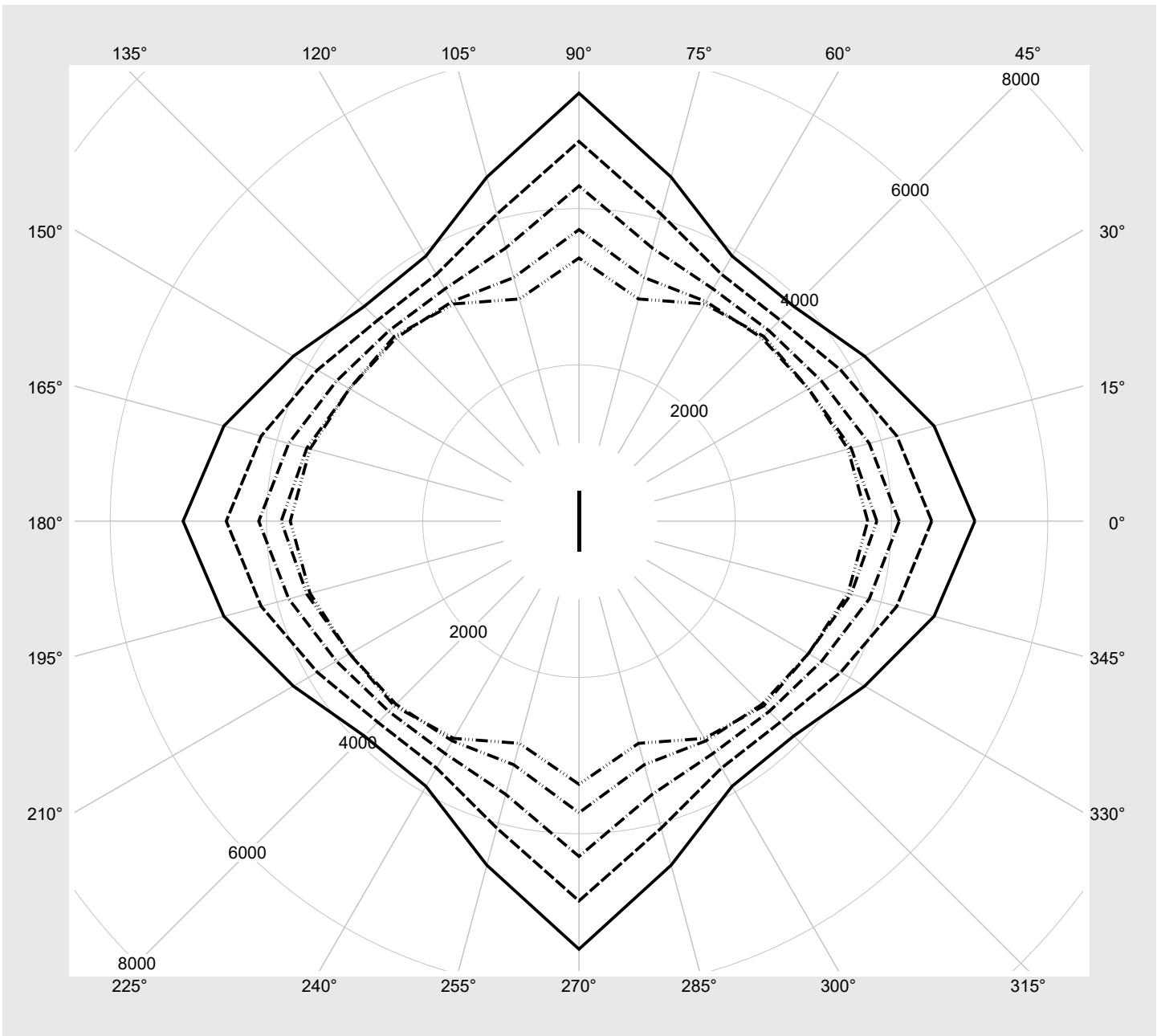
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**Luminance values in cd/m<sup>2</sup>**    γ 65°    γ 70°    γ 75°    γ 80°    γ 85°    **siteco**



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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	8140	49.0	54.4	51.7
2	A	C	F	7520	44.8	49.8	47.3
3	A	D	E	7030	41.7	46.2	44.0
4	A	D	F	6470	38.1	42.1	40.1
5	B	C	E	6020	35.5	39.0	37.2
6	B	C	F	5520	32.5	35.5	34.0
7	B	D	E	5020	29.4	32.0	30.7
8	B	D	F	4510	26.4	29.0	27.7