



## Photometric test report

<b>Family</b> <b>Licross® 21 Protected</b>	<b>Order number: 52TP12MN4E5M</b> <b>EAN: 4058352904060</b>	<b>LP number</b> <b>58523_200</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>sITeco</b>

C-planes $\gamma$	0°	15°	30°	45°	60°	75°	90°	Phi-zone	Total Phi-zone
	180°	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

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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	23.3	24.8	23.7	25.1	25.4	19.2	20.6	19.5	20.9	21.2
	3H	23.9	25.2	24.3	25.5	25.9	19.6	20.9	20.0	21.2	21.6
	4H	24.3	25.5	24.7	25.8	26.2	19.8	21.0	20.2	21.4	21.7
	6H	24.7	25.7	25.1	26.1	26.5	19.9	21.1	20.3	21.4	21.8
	8H	25.0	25.9	25.4	26.3	26.7	20.0	21.1	20.4	21.4	21.9
	12H	25.2	26.1	25.6	26.5	26.9	20.0	21.0	20.5	21.4	21.8
4H	2H	23.4	24.6	23.8	24.9	25.3	19.8	21.0	20.2	21.4	21.7
	3H	24.1	25.1	24.5	25.5	25.9	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	25.1	25.9	25.6	26.3	26.8	20.9	21.7	21.3	22.1	22.6
	8H	25.4	26.1	25.9	26.6	27.1	20.9	21.7	21.4	22.1	22.6
	12H	25.8	26.4	26.3	26.9	27.4	21.0	21.7	21.5	22.1	22.6
8H	4H	24.6	25.3	25.0	25.7	26.2	21.0	21.7	21.4	22.1	22.6
	6H	25.2	25.8	25.7	26.3	26.8	21.3	21.9	21.8	22.3	22.8
	8H	25.6	26.1	26.1	26.6	27.2	21.4	21.9	21.9	22.4	22.9
	12H	26.1	26.6	26.7	27.1	27.6	21.5	22.0	22.1	22.5	23.0
12H	4H	24.6	25.2	25.0	25.7	26.2	21.1	21.6	21.6	22.1	22.6
	6H	25.2	25.7	25.7	26.2	26.7	21.4	21.9	21.9	22.4	22.9
	8H	25.7	26.1	26.2	26.6	27.1	21.6	22.0	22.1	22.5	23.1

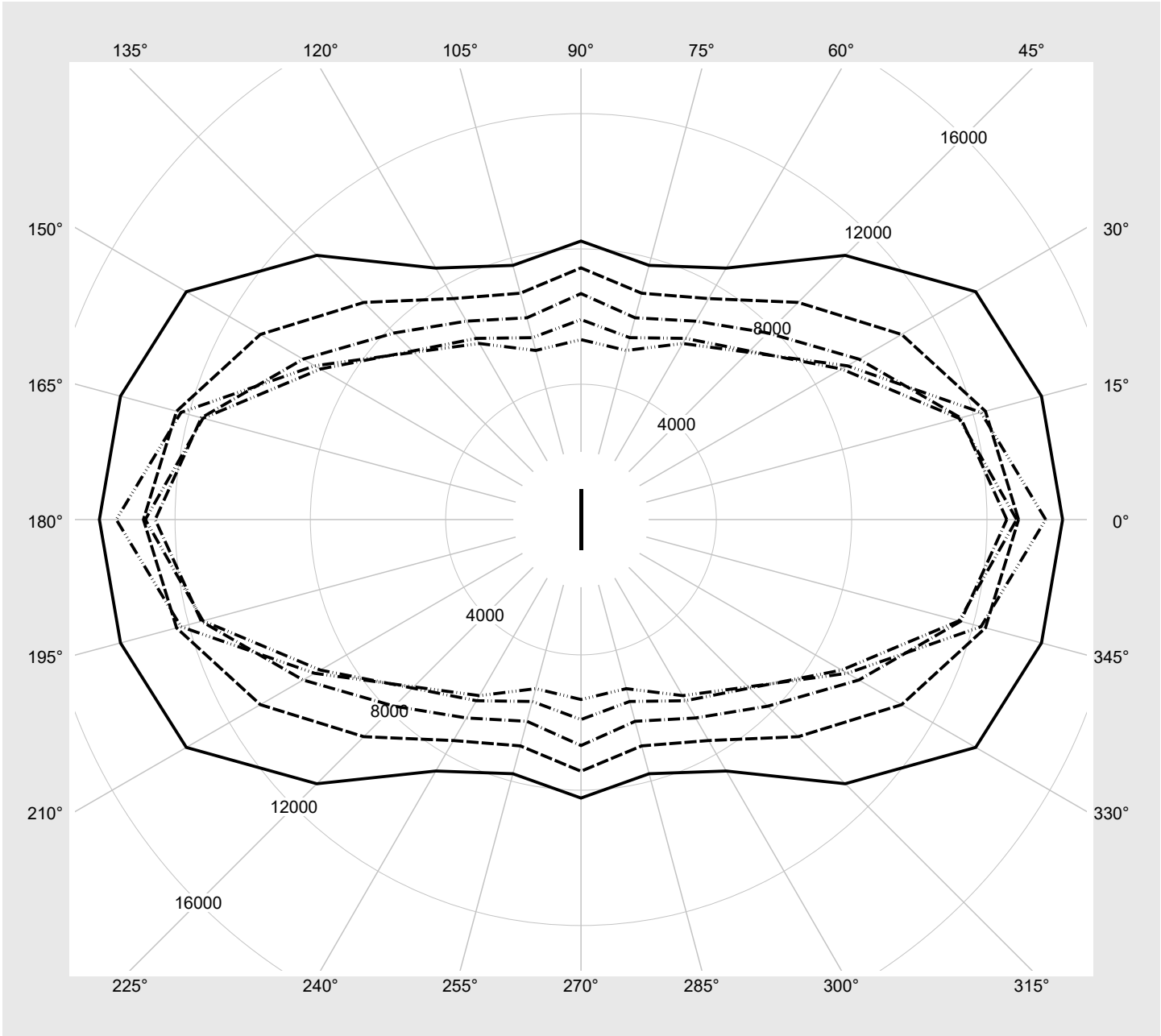
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1480</b>	<b>H(C0) = 13</b>	<b>H(C180) = 13</b>
			<b>B = 78</b>	<b>H(C90) = 0</b>	<b>H(C270) = 0</b>

C-planes	$\gamma$	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°		37512.9	39092.1	40685.9	34316.6	23464.3	17462.7	16283.8
50°		27969.2	29082.2	30412.0	25236.9	17101.1	13214.1	12691.3
55°		21433.8	22113.4	22827.0	18606.0	12883.6	10591.2	10608.2
60°		16908.2	17188.5	17284.7	14061.0	10223.0	8906.2	9234.2
65°		14235.8	14092.0	13470.8	11044.2	8583.4	7778.7	8232.6
70°		12933.5	12376.0	10944.2	9077.8	7543.1	6926.8	7440.0
75°		12585.8	11619.3	9485.7	7802.4	6772.3	6174.4	6680.1
80°		12878.1	11568.7	8898.0	7044.4	6183.9	5566.6	5911.7
85°		13736.3	12239.4	9089.7	6992.5	6009.9	5175.3	5319.3

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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]
	1	2	3		
1	A	C	E	14780	83.2
2	A	C	F	13877	78.5
3	A	D	E	12901	72.4
4	A	D	F	11914	66.3
5	B	C	E	10907	60.3
6	B	C	F	9878	54.3
7	B	D	E	8912	48.8
8	B	D	F	7946	43.3