

Photometric test report

Family
Licross® Protected

Order number: 51TP11CN4DXRD
EAN: 4058352418390

LP number
58525_16



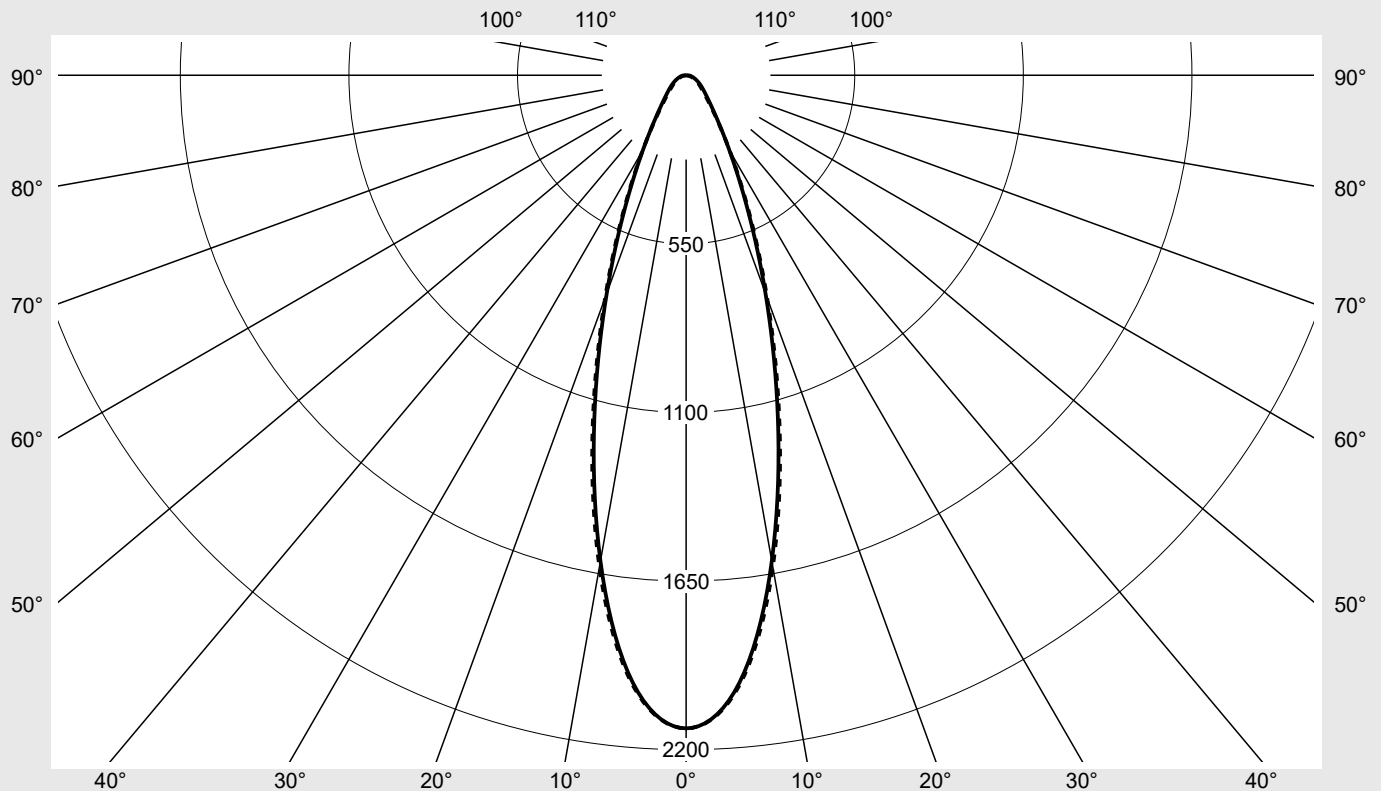
Version prismatic cover, frosted, narrow distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-Multilumen CLOi
Setting AC-mode
Rated values Net luminous flux = 13240 lm
 Power consumption = 76.4 W
 Luminous efficacy = 173.3 lm/W

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

η_{LB} 100.0%
 ϕ_u 99.1%
 ϕ_o 0.9%

Measurement conditions

DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity
		sITeco

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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UGR-Table	Standard room	siteco
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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	17.0	18.2	17.4	18.6	18.9	16.7	17.9	17.0	18.2	18.5
	3H	18.1	19.2	18.5	19.5	19.9	17.6	18.7	18.0	19.0	19.3
	4H	18.6	19.6	19.0	20.0	20.3	18.0	19.0	18.4	19.3	19.7
	6H	19.1	20.0	19.5	20.3	20.7	18.3	19.1	18.7	19.5	19.9
	8H	19.4	20.1	19.8	20.5	20.9	18.4	19.2	18.9	19.6	20.0
	12H	19.6	20.3	20.0	20.7	21.1	18.5	19.2	18.9	19.6	20.0
4H	2H	17.3	18.3	17.7	18.6	19.0	17.0	18.0	17.4	18.3	18.7
	3H	18.6	19.4	19.0	19.8	20.2	18.1	18.9	18.5	19.3	19.7
	4H	19.2	19.9	19.6	20.4	20.8	18.5	19.3	19.0	19.7	20.1
	6H	19.8	20.4	20.3	20.9	21.4	18.9	19.6	19.4	20.0	20.5
	8H	20.1	20.7	20.6	21.1	21.6	19.1	19.6	19.6	20.1	20.6
	12H	20.4	20.9	20.9	21.3	21.8	19.2	19.7	19.7	20.1	20.6
8H	4H	19.4	19.9	19.9	20.4	20.9	18.8	19.3	19.3	19.8	20.3
	6H	20.2	20.6	20.6	21.1	21.6	19.3	19.8	19.8	20.2	20.7
	8H	20.5	20.9	21.0	21.4	21.9	19.5	19.9	20.0	20.4	20.9
	12H	20.9	21.3	21.5	21.8	22.3	19.7	20.0	20.2	20.5	21.0
12H	4H	19.4	19.9	19.9	20.3	20.8	18.8	19.3	19.3	19.8	20.3
	6H	20.2	20.6	20.7	21.1	21.6	19.4	19.8	19.9	20.3	20.8
	8H	20.6	21.0	21.2	21.5	22.0	19.7	20.0	20.2	20.5	21.0

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

C-planes	γ	Luminance in cd/m ²							
		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°		12864.1	12274.0	11200.0	10753.7	11158.2	12255.8	13422.1	
50°		10853.0	10227.2	9155.6	8595.0	8871.0	10035.0	11358.2	
55°		9454.6	8866.3	7923.3	7345.3	7500.1	8633.1	10039.7	
60°		8303.3	7809.9	7083.2	6582.5	6603.6	7603.5	8968.9	
65°		7338.9	6960.7	6452.9	6074.4	6014.3	6771.0	7996.9	
70°		6550.5	6270.7	5908.5	5691.2	5579.2	6038.4	7100.7	
75°		5942.9	5722.7	5468.2	5374.9	5207.7	5330.3	6209.6	
80°		5509.4	5330.8	5188.8	5111.3	4874.0	4699.0	5319.5	
85°		5314.0	5173.7	5112.7	5120.1	4761.0	4181.2	4595.3	

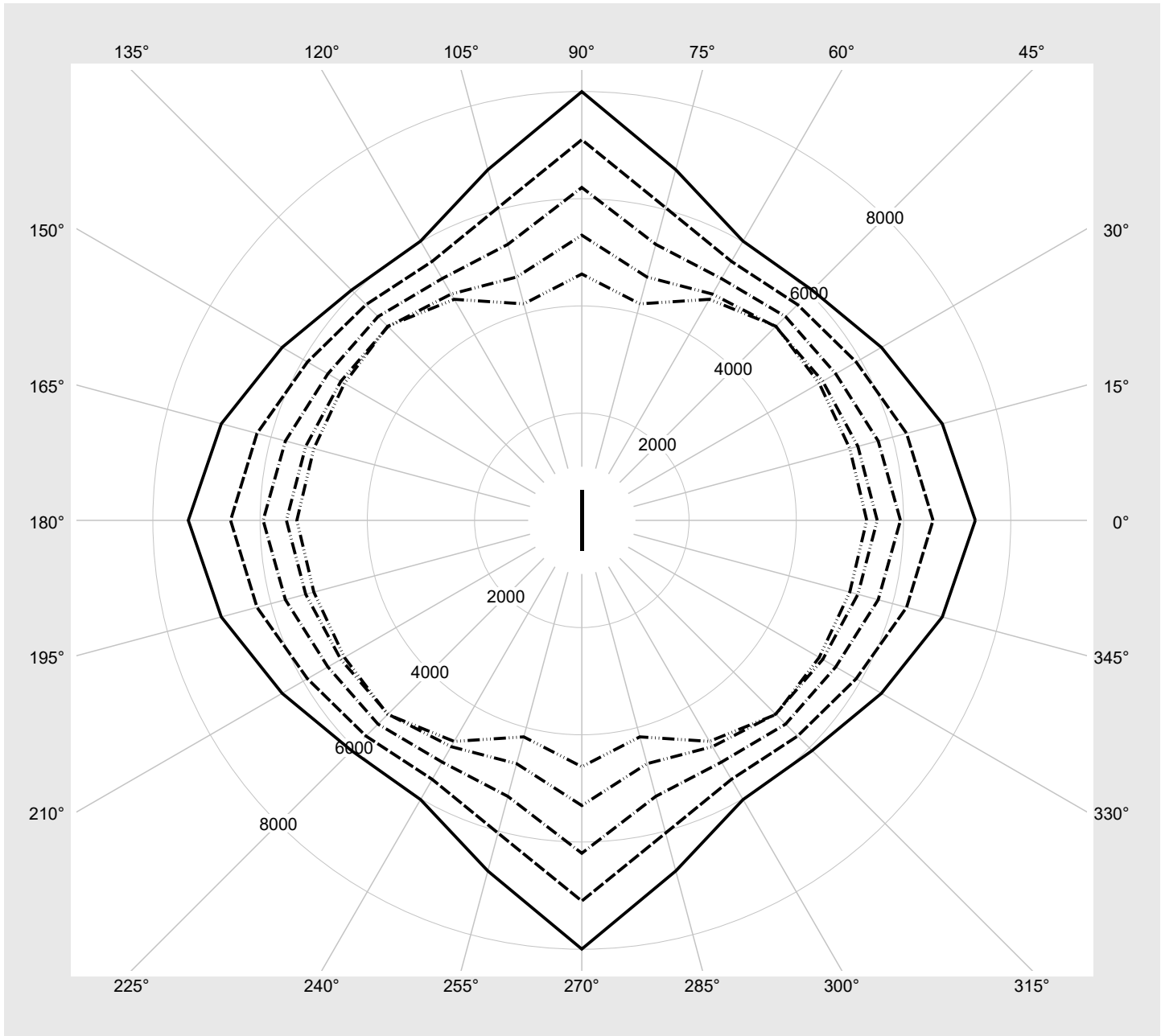
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

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Multilumen Table	environmental temperature: 25°C	siteco
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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	13240	76.4	85.6	81.0
2	A	C	F	12060	68.8	76.5	72.6
3	A	D	E	11060	62.6	69.3	66.0
4	A	D	F	10060	56.5	62.7	59.6
5	B	C	E	9030	50.4	55.7	53.0
6	B	C	F	8000	44.4	48.7	46.6
7	B	D	E	7030	38.8	42.7	40.8
8	B	D	F	6050	33.3	36.3	34.8