

Photometric test report

Family
Licross® 11 Protected

Order number: 51TP13CN4E5S
EAN: 4058352930335

LP number
58527_96



Version prismatic cover, frosted, extremely narrow distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-Multilumen CLOi
Rated values Net luminous flux = 14500 lm
Power consumption = 77.6 W
Luminous efficacy = 186.9 lm/W

serial
documentation
12.10.2023

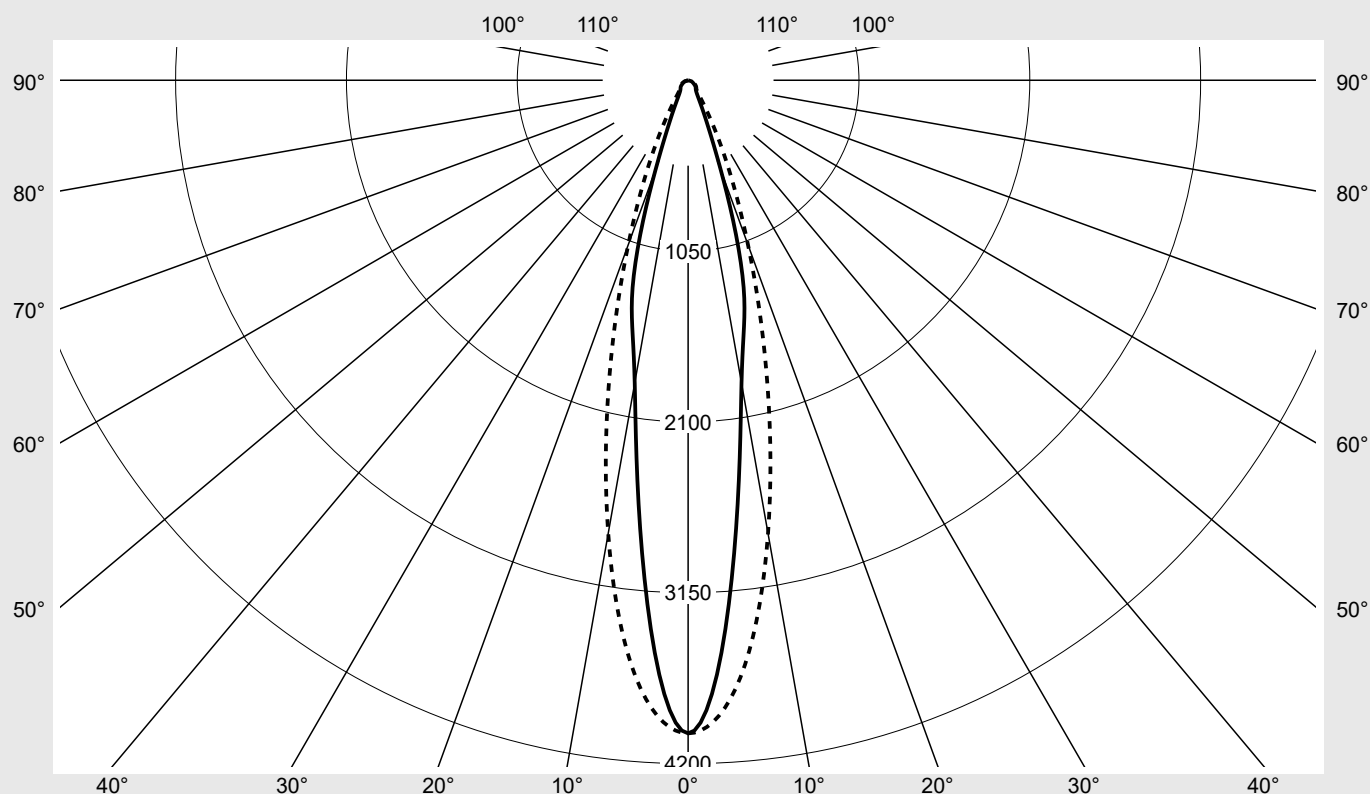
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 4014 cd/klm



Classifications

DIN 5040 A 8 1
CIE N1=89 N2=96 N3=99
N4=100 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 99.7%
 ϕ_o 0.3%

Measurement conditions

DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity

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C- planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	4014.0	4014.0	4014.0	4014.0	4014.0	4014.0	4014.0	24.0	24.0
5°	3075.0	3073.4	3140.6	3286.7	3470.0	3619.0	3684.9	159.0	183.0
10°	1889.9	1876.2	1856.5	1927.7	2182.7	2591.5	2828.1	203.0	386.0
15°	1318.5	1331.1	1324.1	1227.2	1167.4	1498.4	1861.2	192.4	578.4
20°	585.4	606.8	689.8	798.0	693.5	737.0	1075.9	136.1	714.5
25°	239.7	246.3	276.4	361.8	426.5	351.4	567.8	79.8	794.2
30°	128.7	127.4	129.3	152.0	214.6	178.7	273.1	45.8	840.1
35°	88.6	83.8	76.3	80.1	101.4	103.4	134.8	29.2	869.2
40°	73.1	66.6	55.1	52.3	60.4	70.8	85.4	22.6	891.8
45°	65.6	58.2	44.9	39.5	42.7	55.1	71.6	20.0	911.8
50°	58.1	50.6	38.4	32.4	32.8	44.4	65.0	18.2	930.0
55°	47.1	41.7	33.1	27.2	26.3	35.1	57.2	16.1	946.1
60°	37.8	33.0	27.8	22.9	21.3	27.1	47.5	13.8	959.9
65°	30.0	25.5	22.6	19.4	17.3	20.3	35.6	11.4	971.3
70°	23.9	19.8	17.3	16.1	13.9	14.7	23.4	9.1	980.4
75°	19.2	15.7	12.9	12.9	10.8	10.0	13.4	6.9	987.3
80°	14.6	12.1	9.7	9.6	7.9	6.2	6.6	5.0	992.4
85°	10.5	9.0	7.3	6.7	5.6	3.2	2.3	3.5	995.8
90°	7.5	6.5	5.5	4.5	3.7	1.4	0.2	2.3	998.2
95°	6.1	5.4	4.5	3.6	2.8	0.8	0.2	1.8	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

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	14.8	15.9	15.1	16.2	16.5	15.3	16.4	15.7	16.7	17.0
	3H	16.4	17.1	16.8	17.5	17.8	16.8	17.6	17.2	17.9	18.3
	4H	16.8	17.7	17.2	18.0	18.4	17.0	17.9	17.4	18.3	18.6
	6H	17.2	18.2	17.6	18.6	19.0	17.0	18.0	17.5	18.4	18.8
	8H	17.9	18.5	18.3	18.9	19.3	17.2	18.1	17.6	18.4	18.9
	12H	17.9	18.7	18.3	19.1	19.5	17.2	18.0	17.6	18.4	18.8
4H	2H	15.0	15.9	15.4	16.3	16.6	15.5	16.4	15.9	16.7	17.1
	3H	16.5	17.3	16.9	17.7	18.1	16.8	17.5	17.2	17.9	18.4
	4H	17.3	18.0	17.7	18.4	18.8	17.3	18.0	17.8	18.4	18.8
	6H	17.8	18.6	18.3	19.1	19.5	17.4	18.2	17.9	18.6	19.1
	8H	18.5	19.0	19.0	19.4	19.9	17.8	18.3	18.3	18.7	19.2
	12H	18.6	19.3	19.1	19.7	20.2	17.6	18.2	18.1	18.7	19.2
8H	4H	17.5	18.0	18.0	18.4	18.9	17.5	18.0	18.0	18.4	18.9
	6H	18.7	18.8	19.2	19.3	19.8	18.0	18.3	18.5	18.8	19.3
	8H	18.8	19.2	19.3	19.7	20.2	18.1	18.5	18.6	18.9	19.5
	12H	19.0	19.6	19.5	20.1	20.6	17.9	18.5	18.4	18.9	19.5
12H	4H	17.2	17.9	17.7	18.3	18.8	17.2	17.9	17.7	18.3	18.8
	6H	18.1	18.7	18.6	19.2	19.7	17.7	18.3	18.2	18.8	19.3
	8H	18.6	19.2	19.1	19.7	20.2	17.9	18.5	18.4	19.0	19.5

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1480 B = 78		H(C0) = 13 H(C90) = 0		H(C180) = 13 H(C270) = 0	
C-planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°					
		Luminance in cd/m²							90° 270°		
γ											
45°	9995.6	8899.2	6973.3	6276.5	7008.9	9390.9	12721.6				
50°	9463.7	8290.1	6399.6	5550.2	5824.9	8254.7	12700.8				
55°	8339.8	7419.8	6010.6	5092.9	5144.1	7238.2	12519.3				
60°	7370.8	6474.8	5591.0	4776.9	4681.2	6327.8	11921.8				
65°	6573.0	5626.5	5128.1	4601.7	4373.5	5527.7	10590.2				
70°	6019.9	5050.0	4539.6	4475.6	4151.0	4819.6	8586.3				
75°	5733.6	4747.2	4059.3	4344.0	3980.2	4181.8	6511.3				
80°	5412.4	4587.3	3863.7	4149.2	3887.8	3594.5	4739.3				
85°	5224.4	4551.7	3984.5	4138.0	4098.0	3094.6	3313.3				

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Luminance values in cd/m²

γ 65°

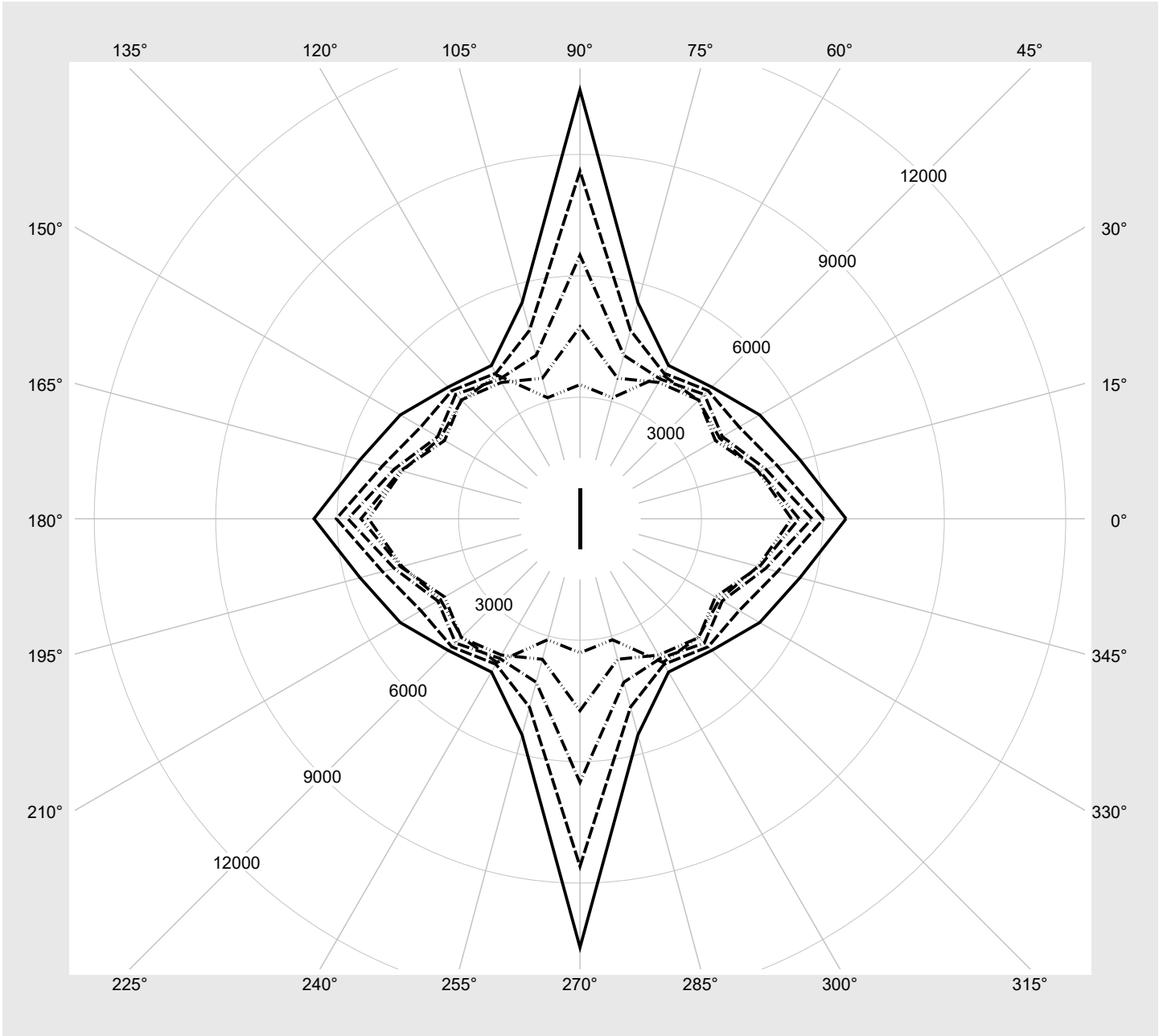
γ 70°

γ 75°

γ 80°

γ 85°

siteco



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Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption [W]	Power consumption [W]
	1	2	3			end of lifetime	average
1	A	C	E	14500	77.6	87.4	82.5
2	A	C	F	13240	70.1	79.0	74.6
3	A	D	E	12250	64.3	74.9	69.6
4	A	D	F	11180	58.3	65.2	61.8
5	B	C	E	10170	52.6	58.7	55.6
6	B	C	F	9160	47.0	52.2	49.6
7	B	D	E	8130	41.5	46.2	43.8
8	B	D	F	7090	36.0	39.9	38.0