

Photometric test report

Family
Licross® 21 Protected

Order number: 52TD11VN48XGD
EAN: 4058352979440

LP number
58526_237



Version prismatic cover, frosted, narrow distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI CLO
Setting AC-mode
Rated values Net luminous flux = 8000 lm
 Power consumption = 45.6 W
 Luminous efficacy = 175.4 lm/W

serial
documentation
07.11.2023

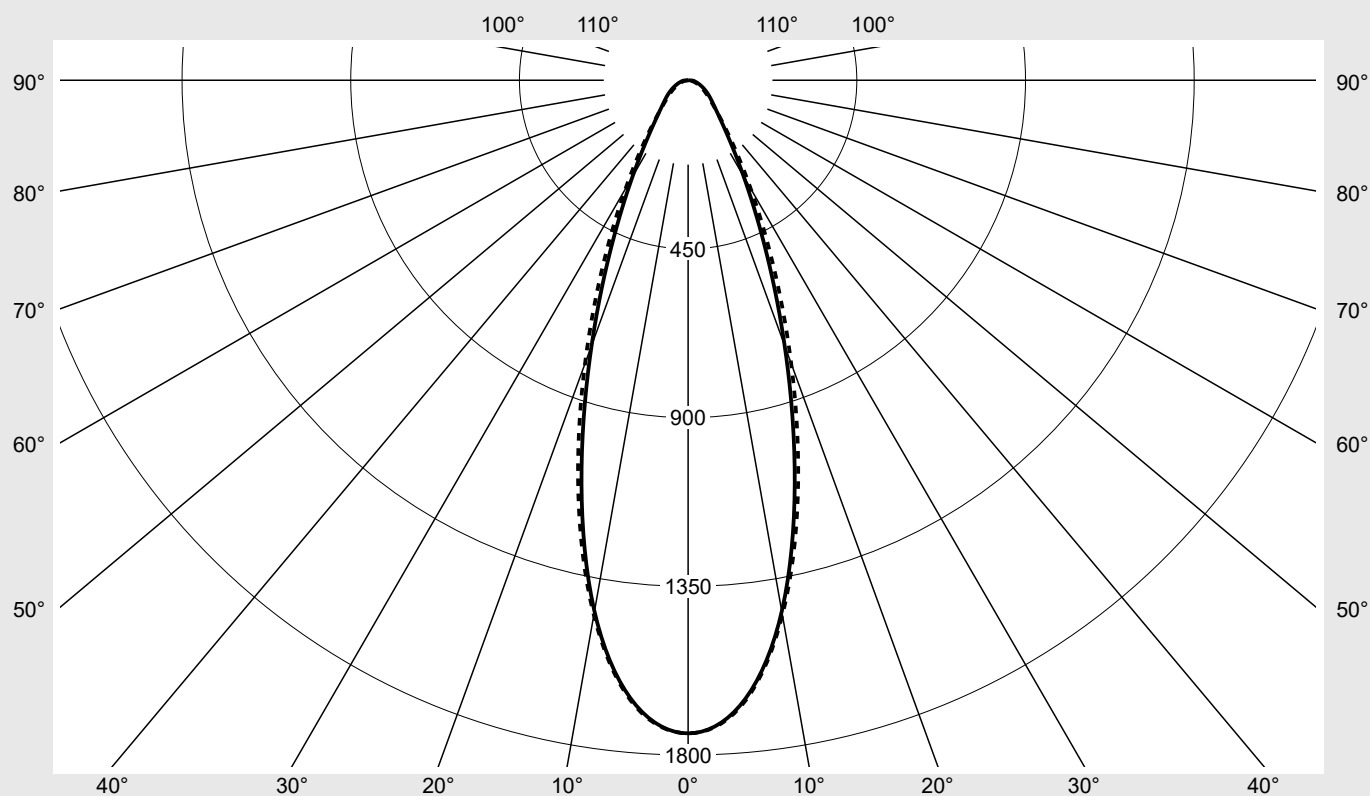
siteco

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

η_{LB} 100.0%
 ϕ_u 100.0%
 ϕ_o 0.0%

Measurement conditions

DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity

sITeco

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°	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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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	15.8	17.0	16.2	17.4	17.7	15.7	16.9	16.0	17.2	17.5
	3H	16.9	18.0	17.3	18.3	18.7	16.5	17.6	16.9	18.0	18.3
	4H	17.4	18.5	17.8	18.8	19.2	16.9	17.9	17.3	18.3	18.7
	6H	17.9	18.8	18.4	19.2	19.6	17.2	18.1	17.6	18.5	18.9
	8H	18.3	19.0	18.7	19.4	19.8	17.4	18.2	17.8	18.6	19.0
	12H	18.5	19.2	18.9	19.6	20.0	17.5	18.2	17.9	18.6	19.0
4H	2H	16.0	17.1	16.4	17.4	17.8	15.9	16.9	16.3	17.3	17.6
	3H	17.3	18.2	17.8	18.6	19.0	17.0	17.8	17.4	18.2	18.6
	4H	18.0	18.7	18.4	19.2	19.6	17.4	18.2	17.9	18.6	19.0
	6H	18.6	19.3	19.1	19.7	20.2	17.9	18.5	18.3	18.9	19.4
	8H	19.0	19.5	19.4	20.0	20.5	18.0	18.6	18.5	19.0	19.5
	12H	19.3	19.8	19.8	20.3	20.8	18.1	18.6	18.6	19.1	19.6
8H	4H	18.2	18.7	18.6	19.2	19.7	17.7	18.2	18.1	18.7	19.2
	6H	18.9	19.4	19.4	19.9	20.4	18.2	18.7	18.7	19.1	19.6
	8H	19.4	19.8	19.9	20.3	20.8	18.4	18.8	18.9	19.3	19.8
	12H	19.8	20.2	20.4	20.7	21.2	18.6	18.9	19.1	19.4	20.0
12H	4H	18.2	18.7	18.7	19.1	19.6	17.7	18.2	18.2	18.7	19.2
	6H	19.0	19.4	19.5	19.9	20.4	18.3	18.7	18.8	19.2	19.7
	8H	19.5	19.8	20.0	20.3	20.9	18.6	18.9	19.1	19.4	19.9

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	γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
		Luminance in cd/m²						
45°	45°	8352.2	7969.5	7320.2	7103.8	7530.6	8482.9	9385.4
	50°	7177.7	6726.8	5953.1	5550.8	5814.4	6751.5	7771.6
	55°	6360.2	5900.7	5141.6	4674.0	4839.8	5723.4	6770.8
	60°	5634.0	5218.2	4581.1	4150.7	4234.3	5018.0	6013.3
65°	65°	4980.3	4624.7	4149.1	3820.3	3850.3	4479.1	5382.9
	70°	4437.5	4138.9	3800.9	3577.6	3585.1	3996.0	4775.7
	75°	4028.7	3780.1	3523.5	3384.2	3372.8	3557.6	4216.1
	80°	3746.7	3544.8	3332.1	3256.3	3190.5	3171.5	3666.8
85°	85°	3632.1	3503.2	3333.2	3286.5	3154.4	2892.8	3309.3

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Luminance values in cd/m²

γ 65°

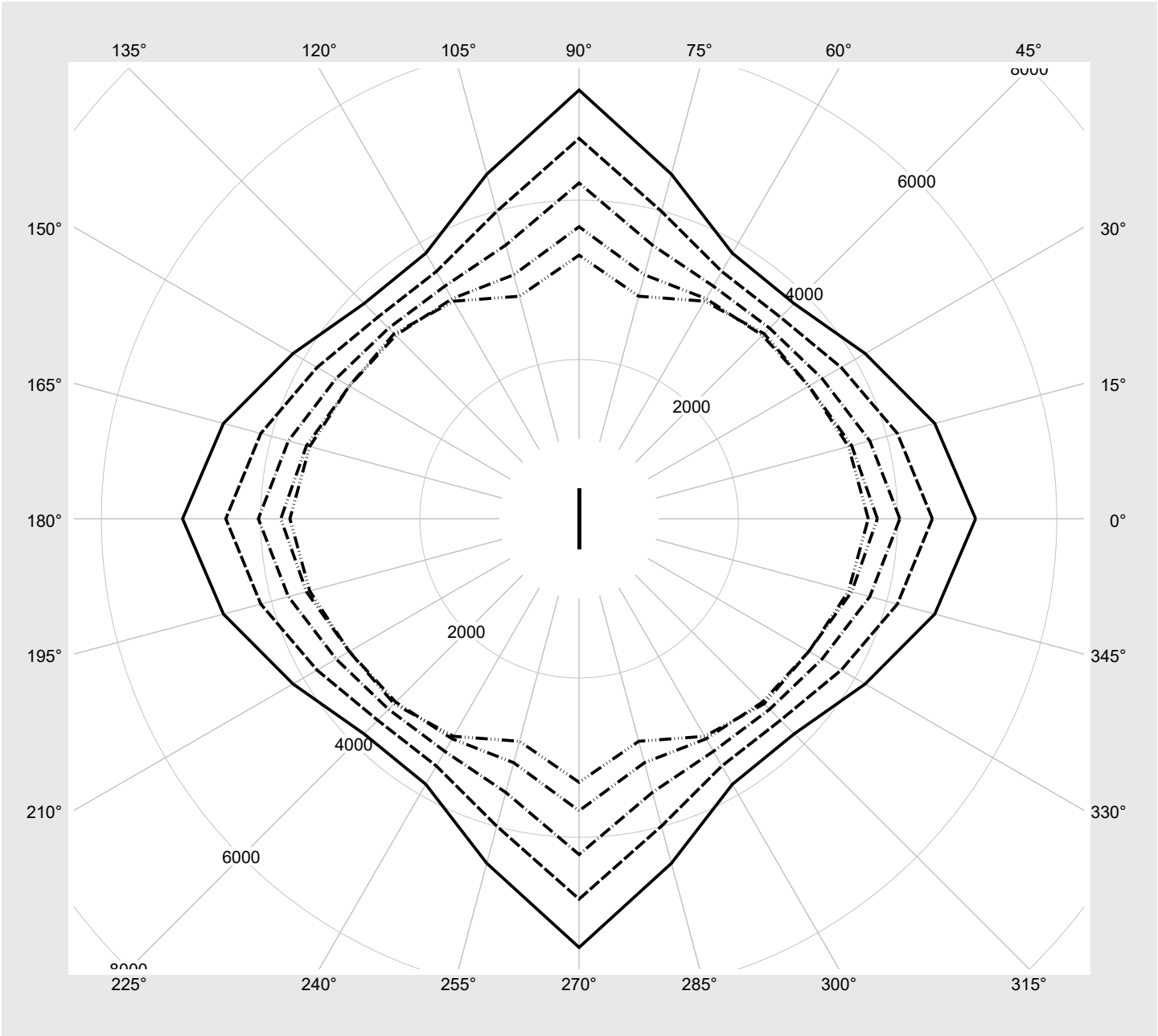
γ 70°

γ 75°

γ 80°

γ 85°

siteco



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Dimming levels table		environmental temperature: 25°C
		siteco

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	254	254	8000	45.6	51.6	48.6
95	241	252	7613	43.3	48.9	46.1
90	227	250	7195	40.7	46.1	43.4
85	214	248	6806	38.5	43.5	41.0
80	201	245	6412	36.2	40.9	38.6
75	188	243	6015	33.9	38.3	36.1
70	174	240	5587	31.6	35.6	33.6
65	162	238	5215	29.4	33.2	31.3
60	149	234	4812	27.2	30.6	28.9
55	136	231	4404	25.0	28.0	26.5
50	123	227	3992	22.7	25.6	24.2
45	111	224	3610	20.8	23.3	22.0
40	98	219	3195	18.6	20.8	19.7
35	86	214	2807	16.6	18.5	17.6
30	73	208	2388	14.4	16.0	15.2
25	61	202	1997	12.3	13.7	13.0
20	49	194	1606	10.2	11.3	10.8
15	37	183	1211	8.2	9.1	8.6
10	25	169	814	6.2	6.8	6.5
5	12	142	385	4.1	4.4	4.2
2	5	110	150	3.0	3.1	3.0