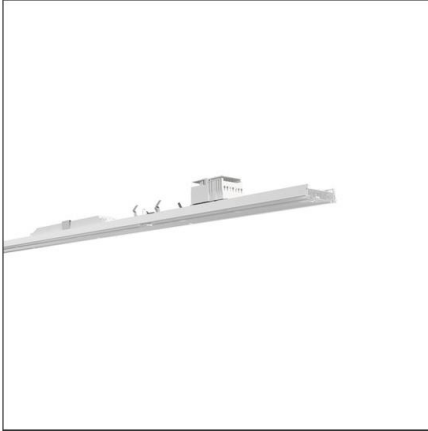


Photometric test report

Family
Licross® 11 Recessed

Order number: 51TL18DV48XF
EAN: 4058352449042

LP number
58691_38



Version cover frosted, wide distribution, high visual comfort
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 8000 lm
 Power consumption = 45.5 W
 Luminous efficacy = 175.8 lm/W

serial
documentation
28.09.2020

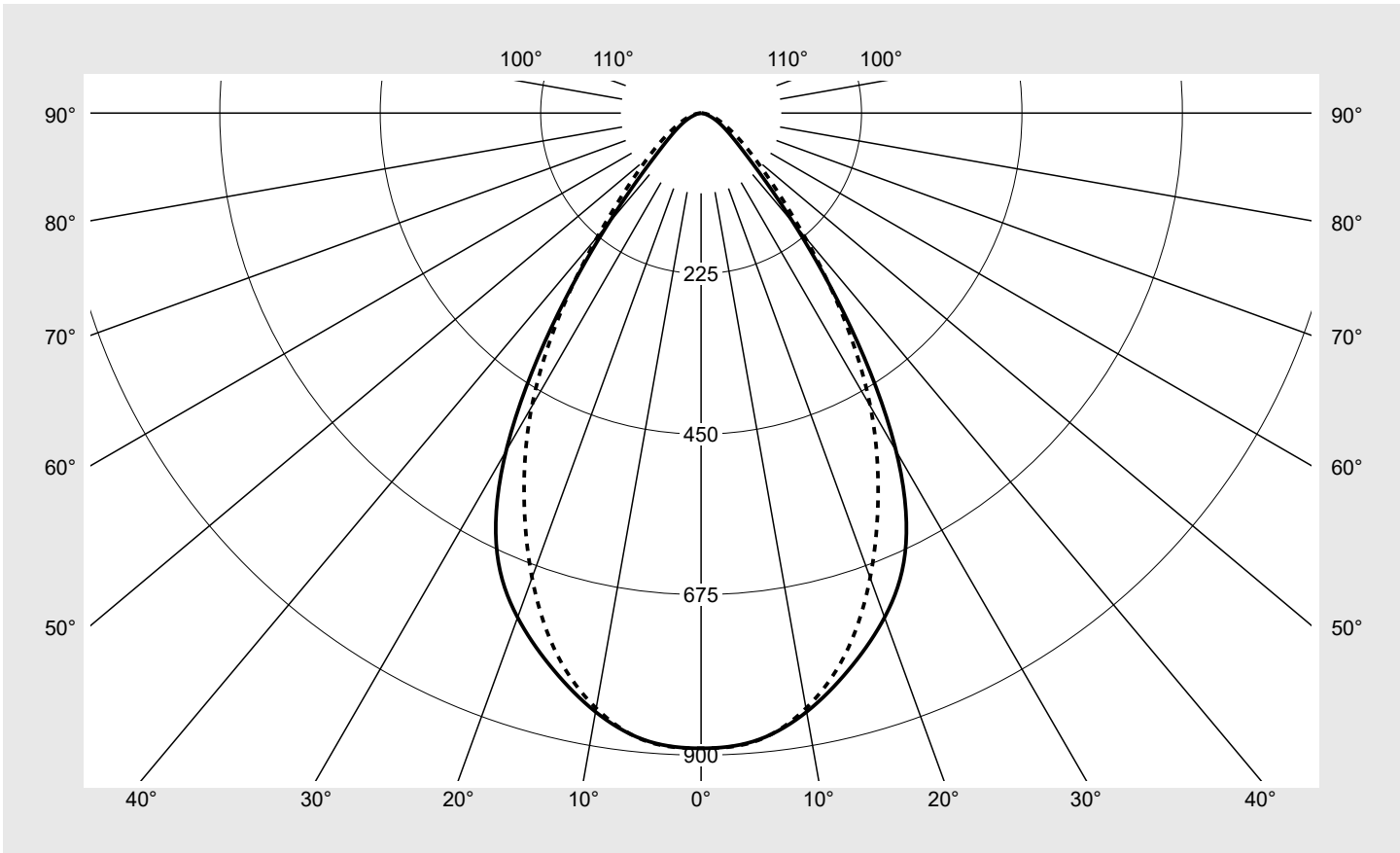
sitEco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 890 cd/klm



Classifications

DIN 5040 A 6 0
 CIE N1=83 N2=96 N3=99
 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

Photometric test report

Family Licross® 11 Recessed	Order number: 51TL18DV48XF EAN: 4058352449042	LP number 58691_38
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°	890.5	890.5	890.5	890.5	890.5	890.5	890.5	5.3	5.3
5°	883.0	882.3	875.7	876.1	880.2	881.2	883.8	42.0	47.4
10°	852.3	852.7	846.0	846.4	847.1	846.1	847.2	80.7	128.1
15°	806.0	807.1	800.6	798.1	793.1	786.0	783.9	113.0	241.1
20°	752.4	753.8	745.8	735.1	719.0	700.4	693.3	136.8	377.8
25°	677.7	678.7	666.2	642.3	616.2	594.6	587.5	147.9	525.7
30°	547.1	547.0	530.5	500.0	481.5	475.9	474.8	139.1	664.9
35°	364.4	363.5	349.1	327.1	328.9	340.7	345.9	108.2	773.0
40°	203.2	202.2	193.4	185.6	201.9	218.9	225.4	71.4	844.5
45°	108.8	108.0	102.7	103.7	123.9	139.5	144.1	45.5	890.0
50°	66.7	66.1	62.8	66.6	83.9	94.8	97.2	31.9	921.9
55°	45.6	45.3	45.3	49.0	60.9	67.0	67.8	24.3	946.1
60°	31.9	31.8	34.1	38.0	45.2	47.1	47.1	18.6	964.8
65°	21.6	21.7	24.8	28.3	33.6	33.2	32.9	14.0	978.8
70°	13.4	13.7	16.2	19.9	24.5	23.3	22.8	9.9	988.7
75°	7.5	7.7	9.1	12.7	16.1	15.5	14.8	6.4	995.1
80°	4.0	4.1	4.6	6.4	8.9	8.9	8.1	3.5	998.6
85°	1.9	1.8	2.0	2.6	3.4	3.5	3.0	1.4	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

Photometric test report

Family Licross® 11 Recessed	Order number: 51TL18DV48XF EAN: 4058352449042	LP number 58691_38
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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	16.8	18.1	17.1	18.4	18.7	17.7	19.0	18.1	19.3	19.6
	3H	17.0	18.1	17.3	18.4	18.8	18.2	19.3	18.6	19.7	20.0
	4H	17.0	18.0	17.4	18.4	18.8	18.4	19.4	18.8	19.8	20.2
	6H	17.0	17.9	17.4	18.3	18.7	18.5	19.5	18.9	19.8	20.2
	8H	17.1	17.9	17.5	18.3	18.7	18.6	19.4	19.1	19.8	20.2
	12H	17.1	17.8	17.5	18.2	18.6	18.6	19.4	19.1	19.8	20.2
4H	2H	16.9	18.0	17.3	18.4	18.7	17.8	18.8	18.2	19.2	19.6
	3H	17.2	18.1	17.7	18.5	18.9	18.4	19.3	18.9	19.7	20.1
	4H	17.3	18.1	17.7	18.5	18.9	18.7	19.5	19.2	19.9	20.4
	6H	17.3	18.0	17.8	18.4	18.9	18.9	19.6	19.4	20.1	20.5
	8H	17.3	17.9	17.8	18.4	18.8	19.0	19.6	19.5	20.1	20.5
	12H	17.3	17.8	17.8	18.3	18.8	19.1	19.6	19.6	20.0	20.5
8H	4H	17.4	18.0	17.9	18.4	18.9	18.8	19.4	19.2	19.8	20.3
	6H	17.4	17.9	17.9	18.4	18.9	19.1	19.5	19.5	20.0	20.5
	8H	17.4	17.9	17.9	18.3	18.9	19.1	19.6	19.7	20.1	20.6
	12H	17.5	17.8	18.0	18.3	18.8	19.2	19.6	19.8	20.1	20.6
12H	4H	17.4	17.9	17.9	18.4	18.9	18.8	19.3	19.3	19.7	20.2
	6H	17.5	17.9	18.0	18.3	18.9	19.1	19.4	19.6	19.9	20.5
	8H	17.5	17.8	18.0	18.3	18.9	19.2	19.5	19.7	20.0	20.6

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 2250 B = 58
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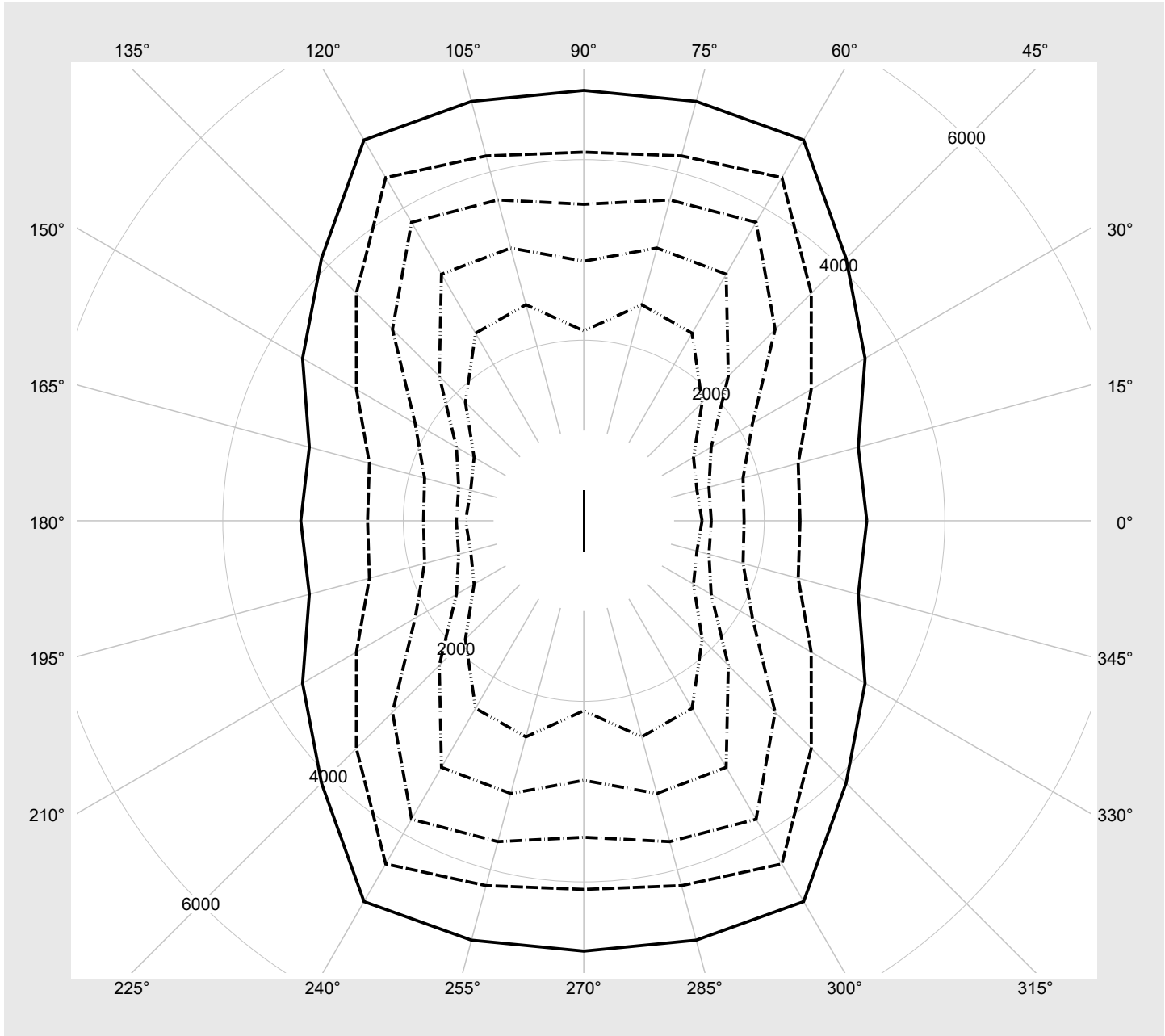
C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		9434.5	9365.8	8899.7	8986.3	10743.8	12091.2	12496.2	
50°		6365.6	6304.0	5985.6	6354.1	8004.8	9040.9	9274.6	
55°		4872.2	4842.4	4845.1	5233.3	6504.2	7158.8	7245.5	
60°		3914.8	3895.4	4186.9	4663.0	5537.3	5774.0	5768.6	
65°		3135.8	3148.6	3598.2	4110.0	4870.8	4809.4	4767.2	
70°		2396.0	2459.3	2909.0	3564.1	4389.3	4183.9	4083.4	
75°		1775.9	1826.6	2158.0	2997.9	3817.6	3679.3	3505.9	
80°		1412.5	1435.4	1629.6	2264.3	3154.3	3128.2	2875.1	
85°		1310.4	1297.7	1403.2	1855.5	2399.2	2478.0	2103.8	

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	8000	45.5
95	241	252	7603	43.2
90	228	250	7204	40.9
85	215	248	6803	38.7
80	202	246	6400	36.4
75	189	243	5996	34.2
70	176	241	5589	31.9
65	164	238	5211	29.9
60	151	235	4801	27.7
55	138	232	4388	25.5
50	126	228	4006	23.5
45	113	224	3590	21.3
40	101	220	3203	19.4
35	89	216	2816	17.4
30	76	210	2394	15.1
25	64	204	2003	13.2
20	52	196	1610	11.1
15	40	186	1216	9.2
10	27	172	786	7.0
5	15	150	389	5.1
3	11	139	256	4.3