

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TL12CN48XFD
EAN: 4058352418130

LP number
58637_29



Version cover frosted, wide distribution, high visual comfort

Lamps LED 4000 K | CRI ≥ 80

Controlgear ECG-Multilumen CLOi

Setting AC-mode

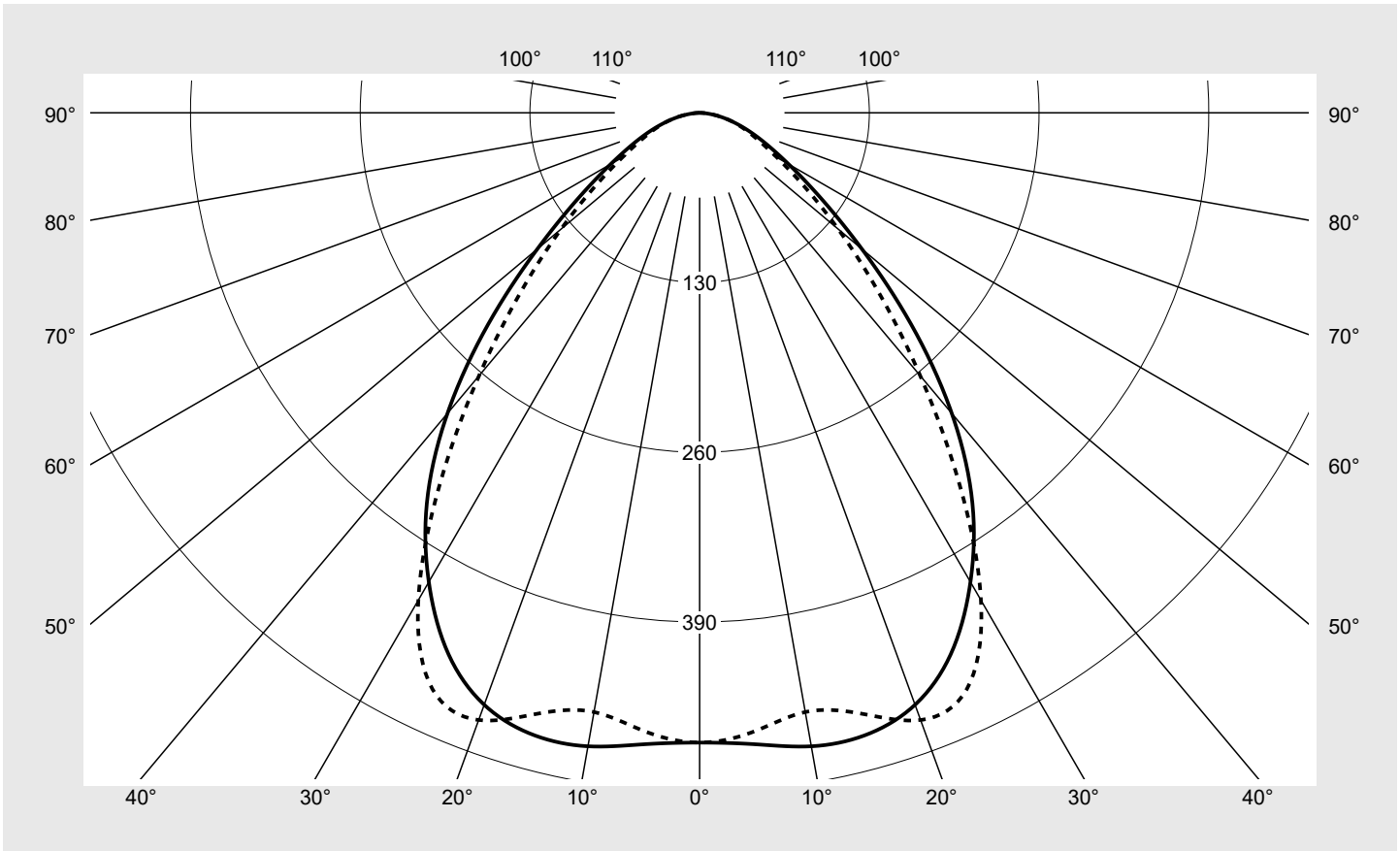
Rated values Net luminous flux = 8280 lm
Power consumption = 48.0 W
Luminous efficacy = 172.5 lm/W

serial
documentation
26.08.2020

sitEco

Luminous intensity in cd/klm C180-0 C270-90

Imax: 498 cd/klm



Classifications

DIN 5040 A 5 0
CIE N1=67 N2=92 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: 51TL12CN48XFD EAN: 4058352418130	LP number 58637_29
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°	482.3	482.3	482.3	482.3	482.3	482.3	482.3	2.9	2.9
5°	485.4	482.8	478.2	477.5	477.4	475.9	475.7	22.9	25.8
10°	492.7	488.2	477.9	471.3	467.6	465.9	466.0	45.2	71.0
15°	493.2	486.1	471.9	467.9	471.0	473.7	476.3	67.5	138.5
20°	482.5	473.5	462.5	471.9	487.1	492.8	494.9	89.9	228.4
25°	456.4	447.1	449.2	479.4	497.6	491.1	485.8	109.5	337.8
30°	414.9	406.8	427.0	475.1	479.0	447.1	431.1	121.4	459.2
35°	364.2	358.0	387.7	436.7	420.7	368.9	346.8	122.0	581.2
40°	300.5	296.3	322.5	357.9	336.0	284.8	262.9	110.4	691.6
45°	229.2	226.3	238.5	259.8	247.2	211.8	193.4	90.1	781.7
50°	162.3	159.3	161.6	173.6	174.5	155.2	138.5	68.2	849.9
55°	112.5	108.0	105.1	112.3	121.6	110.9	97.2	49.6	899.5
60°	78.7	73.1	68.3	73.1	83.7	77.4	68.5	35.5	935.0
65°	56.0	50.2	45.0	48.4	56.8	54.5	49.6	25.5	960.5
70°	39.5	34.5	29.5	32.1	37.8	38.5	36.6	18.1	978.6
75°	26.0	22.0	18.4	20.2	23.9	25.9	25.8	12.0	990.6
80°	14.9	12.2	9.9	10.8	13.0	14.8	15.3	6.8	997.4
85°	5.4	4.3	3.6	4.0	4.7	5.6	5.8	2.5	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: 51TL12CN48XFD EAN: 4058352418130	LP number 58637_29
---------------------------------------	---	------------------------------

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	22.0	23.5	22.3	23.8	24.1	22.1	23.6	22.4	23.9	24.2
	3H	22.5	23.8	22.9	24.1	24.5	22.6	23.9	23.0	24.3	24.6
	4H	22.7	23.9	23.1	24.3	24.7	22.9	24.1	23.3	24.4	24.8
	6H	22.9	24.0	23.3	24.4	24.8	23.0	24.2	23.5	24.5	24.9
	8H	23.0	24.0	23.4	24.4	24.8	23.2	24.2	23.6	24.6	25.0
	12H	23.0	24.0	23.4	24.4	24.8	23.2	24.1	23.6	24.5	25.0
4H	2H	22.2	23.4	22.6	23.8	24.1	22.3	23.5	22.7	23.9	24.2
	3H	22.8	23.8	23.2	24.2	24.6	23.0	24.0	23.4	24.4	24.8
	4H	23.1	24.0	23.5	24.4	24.8	23.3	24.2	23.8	24.7	25.1
	6H	23.3	24.1	23.8	24.5	25.0	23.6	24.4	24.1	24.8	25.3
	8H	23.4	24.1	23.9	24.6	25.0	23.7	24.4	24.2	24.9	25.3
	12H	23.5	24.1	23.9	24.5	25.0	23.8	24.4	24.3	24.9	25.4
8H	4H	23.1	23.9	23.6	24.3	24.8	23.4	24.1	23.9	24.5	25.0
	6H	23.4	24.0	23.9	24.5	25.0	23.7	24.3	24.2	24.8	25.3
	8H	23.5	24.0	24.0	24.5	25.0	23.9	24.4	24.4	24.9	25.4
	12H	23.6	24.0	24.1	24.5	25.0	24.0	24.4	24.5	24.9	25.4
12H	4H	23.2	23.8	23.7	24.2	24.7	23.4	24.0	23.9	24.5	25.0
	6H	23.4	23.9	23.9	24.4	24.9	23.7	24.2	24.2	24.7	25.2
	8H	23.5	24.0	24.0	24.5	25.0	23.9	24.3	24.4	24.8	25.3

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500 B = 58
------------------------	---	--------------------------------------	----------------------------------

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°		30842.6	30459.3	32101.8	34965.8	33267.0	28512.4	26024.2	
50°		24030.6	23592.2	23927.1	25709.2	25841.6	22984.4	20507.8	
55°		18663.9	17917.9	17440.7	18640.9	20183.8	18409.1	16124.7	
60°		14982.0	13922.0	13005.1	13920.5	15923.3	14726.2	13029.1	
65°		12618.7	11295.7	10140.4	10907.6	12793.0	12273.0	11178.8	
70°		10987.6	9595.2	8213.6	8931.5	10513.7	10718.0	10193.4	
75°		9547.8	8098.6	6778.1	7426.1	8776.7	9533.5	9482.0	
80°		8145.5	6674.5	5415.0	5929.1	7099.8	8134.5	8396.5	
85°		5842.1	4726.1	3915.8	4351.5	5150.9	6076.9	6330.2	

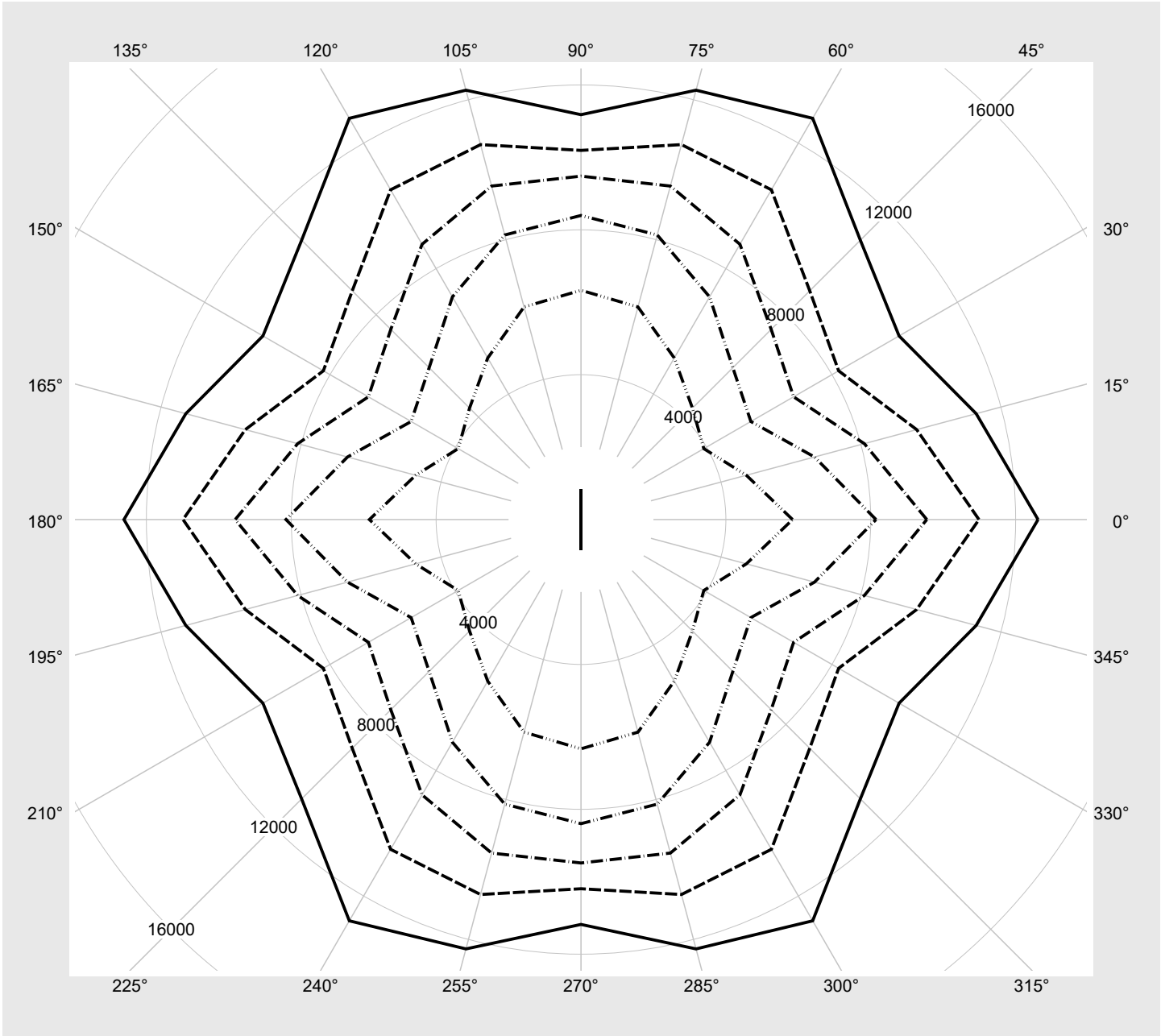
Photometric test report

Family Licross® 11 Recessed	Order number: 51TL12CN48XFD EAN: 4058352418130	LP number 58637_29
--	---	-------------------------------------



Luminance values in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
--------------	--------------	--------------	--------------	--------------



Photometric test report

Family Licross® 11 Recessed	Order number: 51TL12CN48XFD EAN: 4058352418130	LP number 58637_29
---------------------------------------	---	------------------------------

Multilumen Table	environmental temperature: 25°C	sITeco
-------------------------	---------------------------------	---------------

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption	Power consumption
	1	2	3			[W] end of lifetime	[W] average
1	A	C	E	8280	48.0	53.0	50.5
2	A	C	F	7930	45.8	50.7	48.2
3	A	D	E	7440	42.7	47.1	44.9
4	A	D	F	6870	39.1	43.1	41.1
5	B	C	E	6410	36.5	39.9	38.2
6	B	C	F	5830	33.0	36.0	34.5
7	B	D	E	5530	31.2	34.2	32.7
8	B	D	F	4790	26.9	29.4	28.2