

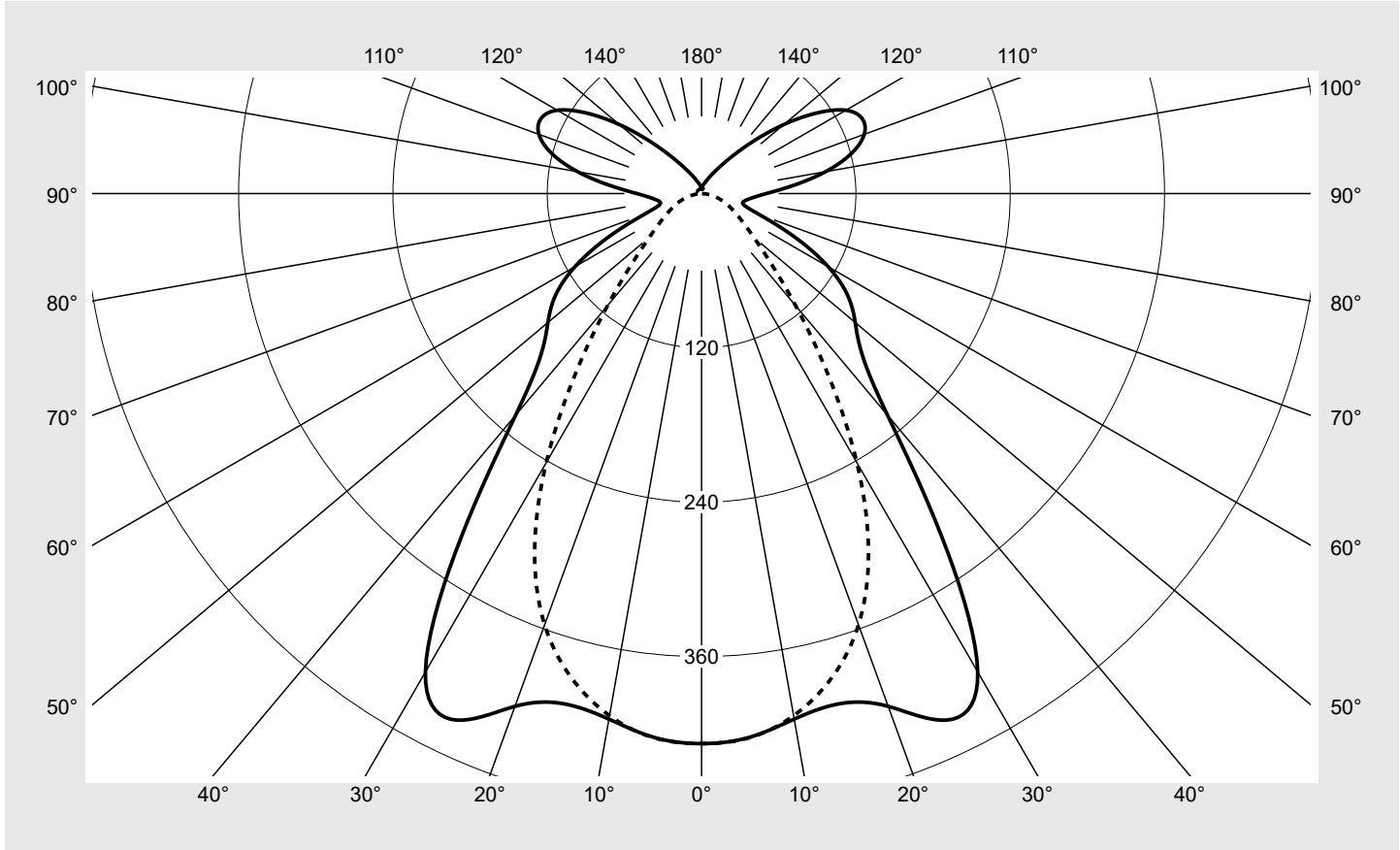


Photometric test report

Family Licross® 21 Performance	Order number: 52TD167N485G EAN: 4058352903018	LP number 58520_308
	Version cover frosted, direct-/ indirect distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Rated values Net luminous flux = 8720 lm Power consumption = 47.9 W Luminous efficacy = 182 lm/W	serial documentation 04.08.2023
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 452 cd/klm**



Classifications	
DIN 5040	B 5 1
CIE	N1=65 N2=88 N3=96 N4=79 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	79.3%
ϕ_o	20.7%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Licross® 21 Performance	Order number: 52TD167N485G EAN: 4058352903018	LP number 58520_308
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes γ	0°	15°	30°	45°	60°	75°	90°	Phi-zone	Total Phi-zone
	180°	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°	427.7	427.7	427.7	427.7	427.7	427.7	427.7	2.6	2.6
5°	424.4	422.4	420.2	422.1	424.3	424.4	424.8	20.2	22.8
10°	414.9	412.5	408.9	409.5	411.2	411.6	412.2	39.1	61.9
15°	410.8	406.7	398.1	393.2	390.9	389.7	390.1	56.3	118.2
20°	424.3	415.5	394.5	375.8	364.0	357.7	356.8	71.8	190.0
25°	451.7	439.9	403.9	360.3	329.2	311.6	307.2	85.9	275.8
30°	429.5	430.9	412.5	347.4	284.5	251.0	241.5	94.2	370.0
35°	325.6	344.5	379.3	329.0	231.5	183.8	171.0	89.9	460.0
40°	224.9	238.5	293.1	289.7	177.2	125.7	113.8	76.0	535.9
45°	176.4	174.8	199.5	224.7	128.0	84.3	75.7	60.6	596.5
50°	156.0	144.3	136.6	154.2	90.2	58.9	53.2	48.2	644.7
55°	139.0	122.9	98.4	99.7	63.9	43.4	39.8	38.7	683.4
60°	113.7	99.1	72.2	64.7	46.3	33.0	30.8	30.7	714.1
65°	79.7	70.2	51.6	43.8	34.5	25.6	24.0	23.0	737.1
70°	47.7	43.4	35.6	31.1	26.2	19.7	18.2	16.2	753.3
75°	33.9	31.2	26.1	23.2	19.9	14.4	12.7	12.2	765.5
80°	33.7	30.7	23.7	18.2	15.1	9.9	7.5	10.6	776.1
85°	39.3	35.6	26.3	17.2	11.4	6.2	3.2	10.7	786.9
90°	50.4	45.6	32.3	18.9	10.0	3.9	0.6	12.4	799.3
95°	71.3	63.5	42.3	22.5	11.4	4.6	1.0	16.4	815.7
100°	97.9	84.6	52.5	26.5	12.9	5.3	1.6	20.8	836.6
105°	120.7	101.7	62.6	30.2	14.2	6.1	2.4	24.4	860.9
110°	134.6	112.6	69.4	33.2	15.3	6.7	2.9	26.3	887.2
115°	137.8	115.5	72.0	34.6	16.0	7.2	3.2	26.1	913.3
120°	129.6	108.9	68.7	33.6	15.7	7.4	3.5	23.8	937.1
125°	109.1	92.2	59.5	30.3	14.7	7.4	3.7	19.5	956.6
130°	83.4	71.0	47.4	25.5	13.2	7.2	3.7	14.5	971.2
135°	58.6	50.3	35.1	20.5	11.4	6.8	3.7	10.0	981.2
140°	39.2	34.3	25.3	16.3	9.8	6.3	3.7	6.7	987.9
145°	26.6	23.8	18.6	13.0	8.2	5.4	3.7	4.4	992.3
150°	18.7	17.2	14.2	10.0	6.9	5.0	3.7	2.9	995.2
155°	13.8	12.8	10.8	7.8	6.8	4.4	3.6	2.0	997.2
160°	10.2	9.8	7.9	6.8	5.6	4.6	3.5	1.3	998.5
165°	8.2	7.8	6.5	5.6	5.0	4.1	3.7	0.8	999.3
170°	6.4	5.6	4.7	4.7	5.0	4.1	3.9	0.5	999.8
175°	4.2	3.7	4.1	4.1	4.1	4.2	4.2	0.2	1000.0
180°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	1000.0

Photometric test report

Family Licross® 21 Performance	Order number: 52TD167N485G EAN: 4058352903018	LP number 58520_308
--	--	-------------------------------

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	18.6	19.9	19.2	20.4	21.1	14.8	16.1	15.4	16.6	17.3
	3H	19.2	20.3	19.8	20.9	21.6	15.2	16.3	15.8	16.9	17.6
	4H	19.4	20.4	20.0	21.0	21.7	15.4	16.5	16.0	17.1	17.8
	6H	19.6	20.5	20.3	21.2	21.9	15.5	16.5	16.2	17.1	17.9
	8H	19.9	20.7	20.6	21.3	22.1	15.5	16.4	16.2	17.1	17.8
	12H	20.2	20.9	20.9	21.6	22.4	15.5	16.4	16.2	17.1	17.8
4H	2H	18.6	19.6	19.2	20.3	20.9	15.3	16.3	15.9	16.9	17.6
	3H	19.3	20.1	19.9	20.8	21.6	15.8	16.7	16.5	17.3	18.1
	4H	19.5	20.3	20.2	21.0	21.8	16.1	16.9	16.8	17.6	18.4
	6H	20.0	20.6	20.7	21.3	22.2	16.3	17.0	17.0	17.7	18.5
	8H	20.3	20.9	21.0	21.6	22.5	16.4	17.0	17.1	17.7	18.6
	12H	20.8	21.3	21.6	22.1	23.0	16.4	17.0	17.2	17.7	18.6
8H	4H	19.5	20.1	20.2	20.8	21.7	16.3	16.9	17.0	17.6	18.4
	6H	20.1	20.6	20.8	21.3	22.2	16.7	17.1	17.4	17.9	18.8
	8H	20.5	21.0	21.3	21.8	22.6	16.8	17.3	17.6	18.0	18.9
	12H	21.3	21.7	22.1	22.5	23.4	16.9	17.3	17.7	18.1	19.0
12H	4H	19.4	20.0	20.2	20.7	21.6	16.3	16.8	17.1	17.5	18.4
	6H	20.0	20.5	20.8	21.2	22.1	16.8	17.2	17.5	17.9	18.9
	8H	20.6	21.0	21.4	21.7	22.7	17.0	17.4	17.8	18.1	19.1

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 36	H(C180) = 36
			B = 115	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°		9735.0	9724.6	11372.5	13330.3	8022.2	5651.2	5481.8	
50°		9055.8	8452.3	8226.2	9725.8	6060.9	4283.6	4238.0	
55°		8579.9	7668.8	6337.4	6768.2	4664.5	3474.4	3553.0	
60°		7553.8	6666.2	5032.3	4792.8	3736.1	2969.7	3155.7	
65°		5784.5	5158.9	3953.3	3600.7	3135.6	2646.9	2913.6	
70°		3840.0	3550.3	3056.5	2901.0	2739.5	2412.1	2731.3	
75°		3099.2	2899.3	2569.1	2515.0	2490.2	2193.9	2516.2	
80°		3585.9	3339.4	2755.6	2377.9	2364.0	2005.2	2214.9	
85°		5042.5	4702.5	3770.4	2864.9	2396.9	1895.6	1885.8	

Photometric test report

Family Licross® 21 Performance	Order number: 52TD167N485G EAN: 4058352903018	LP number 58520_308
---	--	--------------------------------------

Luminance values in cd/m²

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

siteco

