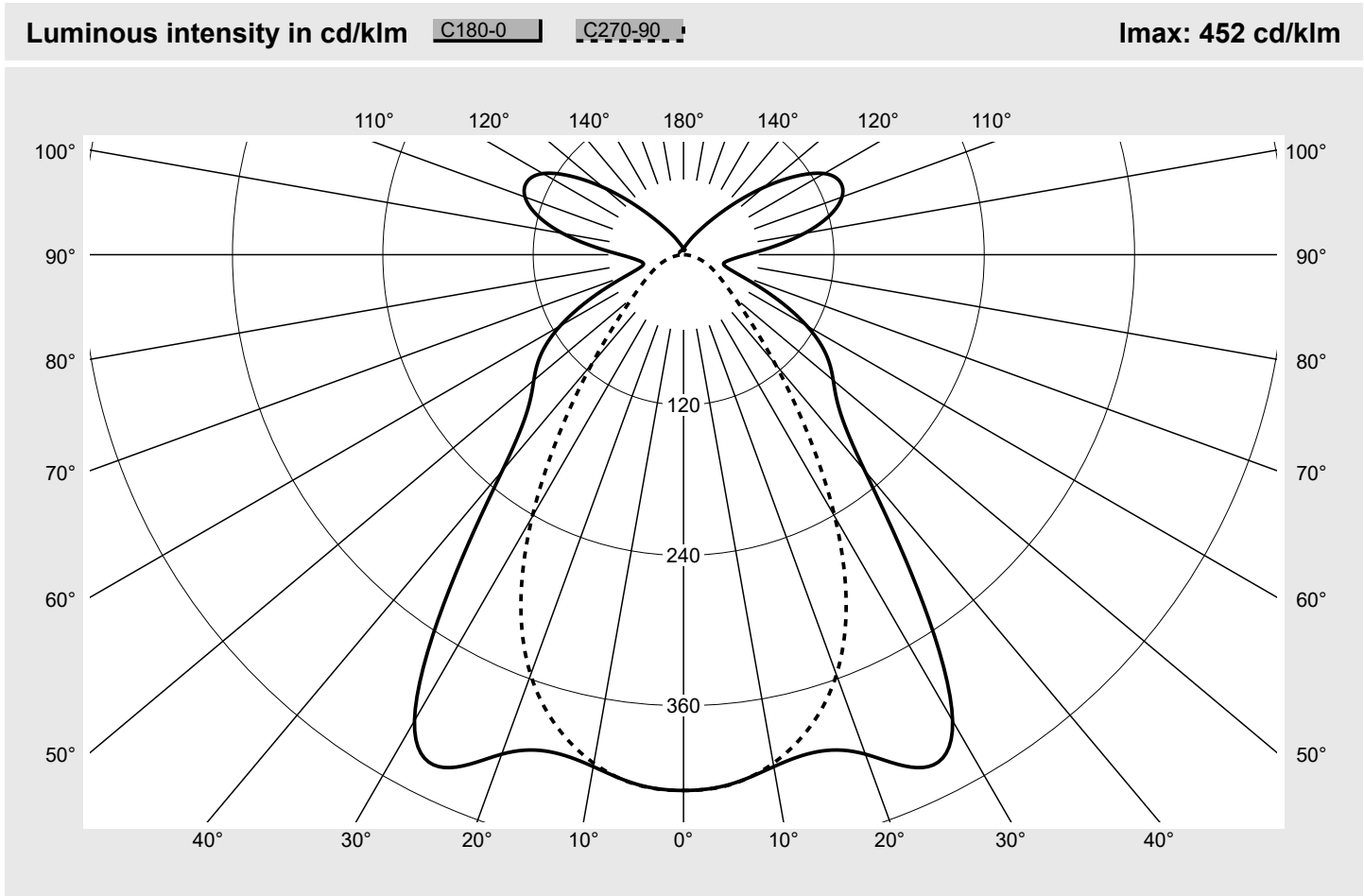


Photometric test report

Family Licross® 21 Performance	Order number: 52TM16DN445G3S EAN: 4069025178732	LP number 58520_399
	Version	cover frosted, direct-/ indirect distribution, UGR≤19 (L65≤3000cd/m²)
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Setting	emergency light operation: 3 h
	Rated values	Net luminous flux = 950 lm Power consumption = 6.1 W Luminous efficacy = 155.7 lm/W
		serial documentation 11.07.2024
		



Classifications		Luminaire light output ratios	
DIN 5040	B 5 1	ηLB	100.0%
CIE	N1=65 N2=88 N3=96	ϕ _u	79.3%
	N4=79 N5=100	ϕ _o	20.7%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Licross® 21 Performance	Order number: 52TM16DN445G3S EAN: 4069025178732	LP number 58520_399
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°	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: 52TM16DN445G3S EAN: 4069025178732	LP number 58520_399
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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	10.9	12.2	11.5	12.7	13.4	7.1	8.4	7.7	8.9	9.6
	3H	11.5	12.6	12.1	13.2	13.9	7.5	8.6	8.1	9.2	9.9
	4H	11.7	12.7	12.3	13.3	14.0	7.7	8.8	8.3	9.4	10.1
	6H	11.9	12.8	12.6	13.5	14.2	7.8	8.8	8.5	9.4	10.2
	8H	12.2	13.0	12.9	13.6	14.4	7.8	8.7	8.5	9.4	10.1
	12H	12.5	13.2	13.2	13.9	14.7	7.8	8.7	8.5	9.4	10.1
4H	2H	10.9	11.9	11.5	12.6	13.2	7.6	8.6	8.2	9.2	9.9
	3H	11.6	12.4	12.2	13.1	13.9	8.1	9.0	8.8	9.6	10.4
	4H	11.8	12.6	12.5	13.3	14.1	8.4	9.2	9.1	9.9	10.7
	6H	12.3	12.9	13.0	13.6	14.5	8.6	9.3	9.3	10.0	10.8
	8H	12.6	13.2	13.3	13.9	14.8	8.7	9.3	9.4	10.0	10.9
	12H	13.1	13.6	13.9	14.4	15.3	8.7	9.3	9.5	10.0	10.9
8H	4H	11.8	12.4	12.5	13.1	14.0	8.6	9.2	9.3	9.9	10.7
	6H	12.4	12.9	13.1	13.6	14.5	9.0	9.4	9.7	10.2	11.1
	8H	12.8	13.3	13.6	14.0	14.9	9.1	9.6	9.9	10.3	11.2
	12H	13.6	14.0	14.4	14.8	15.7	9.2	9.6	10.0	10.4	11.3
12H	4H	11.7	12.3	12.5	13.0	13.9	8.6	9.1	9.4	9.8	10.7
	6H	12.3	12.8	13.1	13.5	14.4	9.1	9.5	9.8	10.2	11.2
	8H	12.9	13.3	13.7	14.0	15.0	9.3	9.7	10.1	10.4	11.4

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1480 B = 115		H(C0) = 36 H(C90) = 0		H(C180) = 36 H(C270) = 0	
C-planes	γ	0°	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°	1060.6	1059.4	1239.0	1452.3			874.0	615.7	597.2	
	50°	986.6	920.8	896.2	1059.6			660.3	466.7	461.7	
	55°	934.7	835.5	690.4	737.4			508.2	378.5	387.1	
	60°	822.9	726.3	548.2	522.2			407.0	323.5	343.8	
	65°	630.2	562.0	430.7	392.3			341.6	288.4	317.4	
	70°	418.3	386.8	333.0	316.0			298.5	262.8	297.6	
	75°	337.6	315.9	279.9	274.0			271.3	239.0	274.1	
	80°	390.7	363.8	300.2	259.1			257.5	218.5	241.3	
	85°	549.4	512.3	410.8	312.1			261.1	206.5	205.4	

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Family
Licross® 21 Performance

Order number: 52TM16DN445G3S
EAN: 4069025178732

LP number
58520_399

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

siteco

