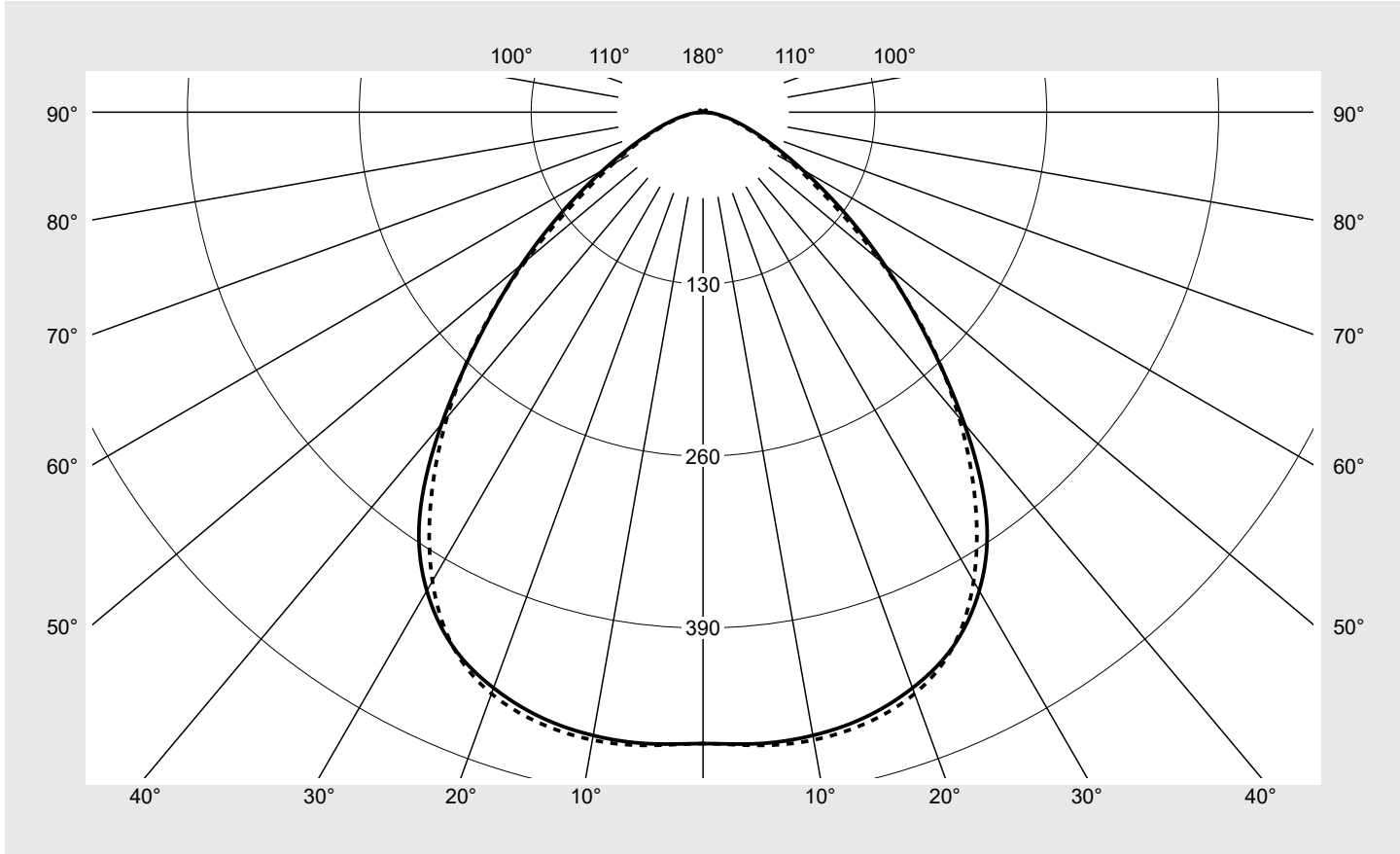


Photometric test report

Family Trunking Flex 31	Order number: 51RF12MA465G4 EAN: 4069025536730	LP number 59302_193
	Version primary light control with lens, transparent, PMMA, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 6550 lm Power consumption = 36.9 W Luminous efficacy = 177.5 lm/W	serial documentation 08.08.2025



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 482 cd/klm**



Classifications	
DIN 5040	A 5 2
CIE	N1=64 N2=91 N3=98 N4=99 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	99.1%
ϕ_o	0.9%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Trunking Flex 31	Order number: 51RF12MA465G4 EAN: 4069025536730	LP number 59302_193
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°	477.4	477.4	477.4	477.4	477.4	477.4	477.4	2.9	2.9
5°	479.2	479.4	476.1	476.9	477.7	479.1	480.6	22.8	25.7
10°	478.5	478.8	475.9	476.7	478.1	479.7	481.9	45.5	71.2
15°	473.7	474.6	472.3	472.8	474.3	476.3	478.1	67.3	138.5
20°	463.3	464.4	462.2	462.5	463.5	465.9	467.9	87.0	225.5
25°	446.5	446.1	441.7	442.3	444.6	445.0	446.7	102.9	328.5
30°	417.9	412.9	407.0	410.2	413.2	410.4	409.4	112.7	441.2
35°	373.8	365.6	358.8	365.1	368.4	362.5	359.0	114.6	555.7
40°	307.6	307.1	302.9	303.0	299.1	300.3	301.2	106.7	662.4
45°	238.0	232.2	241.2	229.3	232.4	226.8	239.9	90.5	752.9
50°	179.0	175.4	175.4	172.2	173.6	171.0	175.3	73.1	826.0
55°	127.6	127.0	119.9	124.4	123.4	123.3	117.8	55.4	881.5
60°	86.5	87.3	81.4	85.4	84.1	84.7	79.6	40.0	921.5
65°	57.4	58.2	54.6	57.2	56.0	56.8	53.2	28.0	949.5
70°	37.6	37.8	35.9	37.4	36.6	36.7	34.5	18.9	968.4
75°	23.7	23.8	22.9	23.5	22.9	22.8	21.3	12.2	980.6
80°	13.7	13.5	13.1	13.2	12.8	12.3	11.3	7.0	987.6
85°	6.4	6.2	5.9	5.7	5.2	4.6	4.0	3.0	990.6
90°	2.2	2.1	2.0	1.7	1.4	1.0	0.6	0.9	991.5
95°	1.8	1.7	1.7	1.5	1.2	0.8	0.5	0.7	992.2
100°	2.3	2.3	2.1	1.7	1.3	0.8	0.5	0.9	993.0
105°	2.1	2.1	2.0	1.7	1.3	0.7	0.5	0.8	993.9
110°	2.3	2.3	2.0	1.7	1.2	0.6	0.4	0.8	994.6
115°	2.2	2.1	1.9	1.7	1.1	0.7	0.5	0.7	995.4
120°	2.3	2.0	1.7	1.5	1.1	0.7	0.7	0.7	996.0
125°	2.7	2.1	1.8	1.4	1.0	0.7	0.7	0.7	996.7
130°	2.0	1.9	2.0	1.4	1.1	0.9	0.9	0.6	997.3
135°	2.0	1.9	1.8	1.5	1.2	1.2	1.2	0.6	997.9
140°	2.0	2.0	1.8	1.6	1.4	1.4	1.4	0.6	998.5
145°	2.1	2.0	1.9	1.7	1.6	1.6	1.6	0.6	999.1
150°	2.1	2.1	1.9	1.8	1.8	1.8	1.8	0.5	999.6
155°	1.9	1.9	1.8	1.8	1.8	1.8	1.8	0.4	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	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 Trunking Flex 31	Order number: 51RF12MA465G4 EAN: 4069025536730	LP number 59302_193
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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	22.1	23.6	22.4	23.9	24.2	22.1	23.6	22.5	24.0	24.3
	3H	22.6	23.9	22.9	24.2	24.6	22.6	24.0	23.0	24.3	24.7
	4H	22.7	23.9	23.1	24.3	24.7	22.8	24.0	23.2	24.4	24.8
	6H	22.8	23.9	23.2	24.3	24.7	22.9	24.0	23.3	24.4	24.8
	8H	22.9	23.9	23.3	24.3	24.7	23.0	24.0	23.4	24.4	24.8
	12H	22.9	23.9	23.3	24.2	24.7	22.9	23.9	23.4	24.3	24.7
4H	2H	22.3	23.6	22.7	23.9	24.3	22.4	23.6	22.8	24.0	24.4
	3H	22.9	24.0	23.4	24.4	24.8	23.0	24.1	23.4	24.4	24.9
	4H	23.1	24.1	23.6	24.5	24.9	23.2	24.2	23.7	24.6	25.0
	6H	23.3	24.1	23.8	24.5	25.0	23.4	24.2	23.9	24.6	25.1
	8H	23.3	24.1	23.8	24.5	25.0	23.4	24.2	23.9	24.6	25.1
	12H	23.4	24.0	23.9	24.5	25.0	23.5	24.1	24.0	24.6	25.0
8H	4H	23.2	23.9	23.7	24.4	24.9	23.3	24.0	23.8	24.5	24.9
	6H	23.4	24.0	23.9	24.5	25.0	23.5	24.1	24.0	24.6	25.1
	8H	23.5	24.0	24.0	24.5	25.0	23.6	24.1	24.1	24.6	25.1
	12H	23.5	24.0	24.1	24.5	25.0	23.6	24.0	24.1	24.5	25.1
12H	4H	23.2	23.8	23.7	24.3	24.8	23.3	23.9	23.8	24.4	24.9
	6H	23.4	23.9	23.9	24.4	24.9	23.5	24.0	24.0	24.5	25.0
	8H	23.5	23.9	24.0	24.4	25.0	23.6	24.0	24.1	24.5	25.1

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1146	H(C0) = 5	H(C180) = 5
			B = 61	H(C90) = 5	H(C270) = 5

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°	29143.9	28486.5	29779.8	28638.1	29475.1	29305.7	31652.3		
	50°	23775.0	23335.3	23520.4	23401.7	24023.2	24199.6	25415.3		
	55°	18663.7	18613.2	17731.8	18690.9	18948.6	19435.3	19122.7		
	60°	14200.0	14367.4	13543.9	14474.6	14627.5	15203.8	14809.2		
	65°	10826.1	11000.9	10469.5	11219.7	11324.1	11933.1	11689.4		
	70°	8404.8	8492.4	8194.2	8784.8	8932.7	9408.2	9342.1		
	75°	6578.6	6615.6	6499.5	6931.8	7104.8	7522.1	7596.7		
	80°	5033.5	5005.7	4991.0	5280.8	5495.4	5786.2	5939.0		
	85°	3578.9	3484.9	3476.4	3589.1	3709.6	3839.9	4060.1		

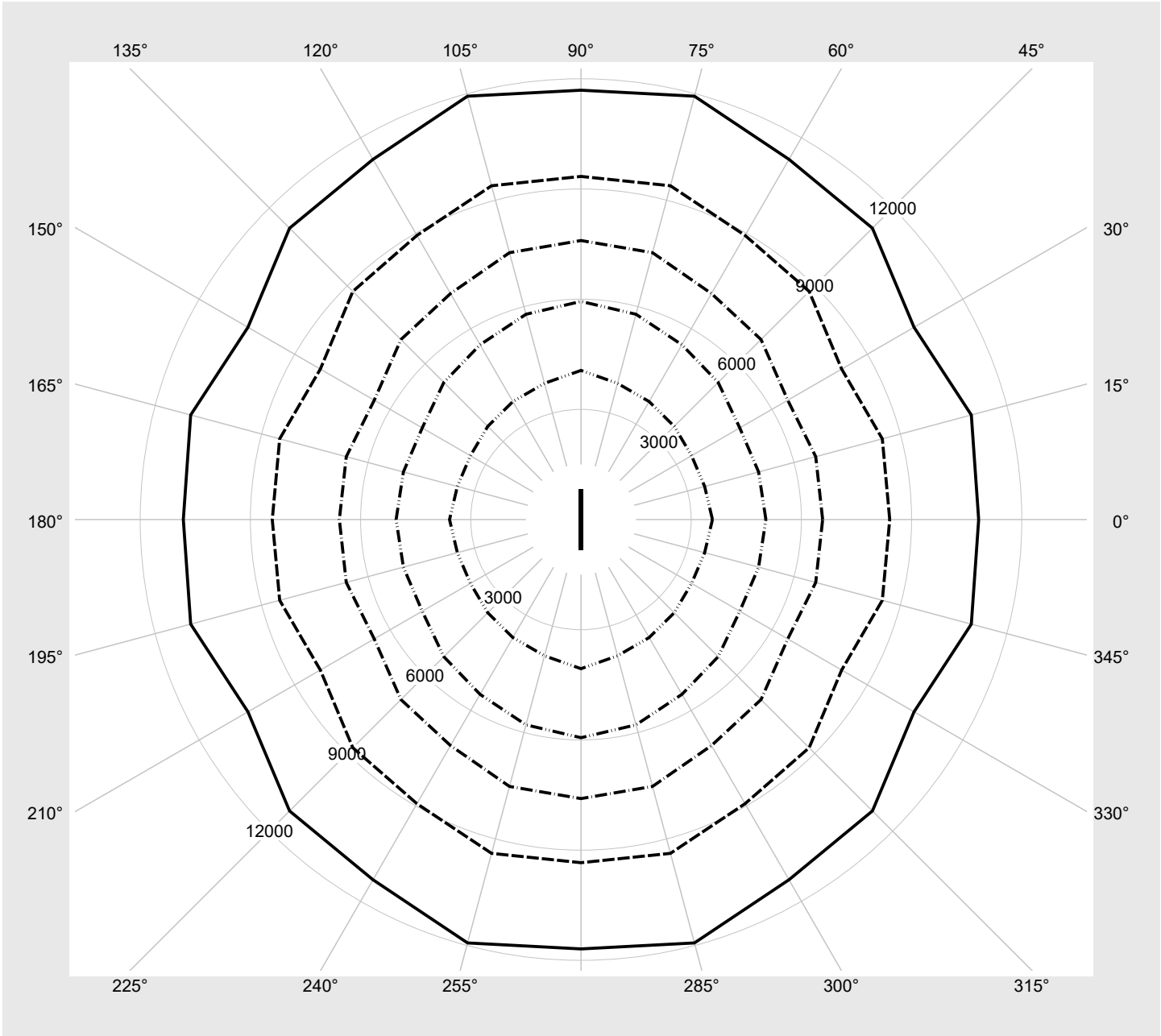
Photometric test report

Family Trunking Flex 31	Order number: 51RF12MA465G4 EAN: 4069025536730	LP number 59302_193
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco



Photometric test report

Family Trunking Flex 31	Order number: 51RF12MA465G4 EAN: 4069025536730	LP number 59302_193
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Multilumen Table	environmental temperature: 25°C	siteco
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DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
11	ON	OFF	ON	ON	6550	36.9
9	ON	OFF	OFF	ON	5690	32.5
7	OFF	ON	ON	ON	4960	28.4
5	OFF	ON	OFF	ON	4230	24.3
3	OFF	OFF	ON	ON	3470	20.0
1	OFF	OFF	OFF	ON	2720	16.0