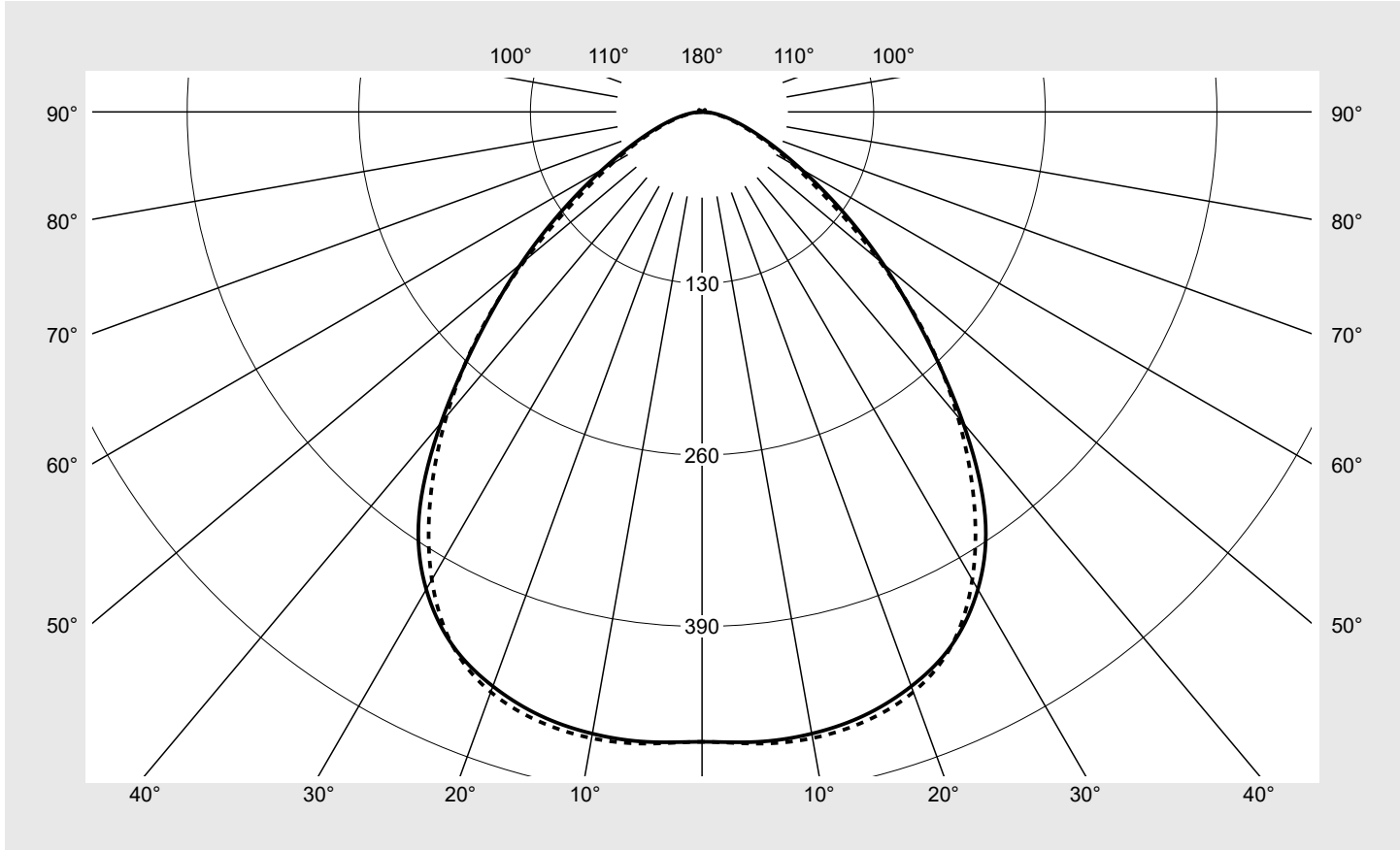


Photometric test report

Family Trunking Flex 31	Order number: 51RF12MB49XG52C EAN: 4069025622600	LP number 59302_429
Version	primary light control with lens, transparent, PMMA, wide distribution	serial documentation 22.01.2026
Lamps	LED 4000 K CRI ≥ 80	
Controlgear	ECG Multilumen	
Setting	AC-mode	
Rated values	Net luminous flux = 9100 lm Power consumption = 53.5 W Luminous efficacy = 170.1 lm/W	



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: 51RF12MB49XG52C EAN: 4069025622600	LP number 59302_429
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: 51RF12MB49XG52C EAN: 4069025622600	LP number 59302_429
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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	22.4	23.9	22.8	24.3	24.6	22.5	24.0	22.9	24.3	24.6
	3H	22.9	24.3	23.3	24.6	24.9	23.0	24.3	23.4	24.7	25.0
	4H	23.1	24.3	23.5	24.7	25.0	23.2	24.4	23.6	24.8	25.1
	6H	23.2	24.3	23.6	24.7	25.1	23.3	24.4	23.7	24.8	25.2
	8H	23.2	24.3	23.7	24.7	25.1	23.3	24.4	23.7	24.7	25.1
	12H	23.2	24.2	23.7	24.6	25.0	23.3	24.3	23.8	24.7	25.1
4H	2H	22.7	24.0	23.1	24.3	24.7	22.8	24.0	23.2	24.4	24.7
	3H	23.3	24.3	23.7	24.7	25.1	23.4	24.4	23.8	24.8	25.2
	4H	23.5	24.4	23.9	24.8	25.3	23.6	24.5	24.1	24.9	25.4
	6H	23.7	24.5	24.1	24.9	25.4	23.8	24.6	24.2	25.0	25.5
	8H	23.7	24.4	24.2	24.9	25.4	23.8	24.5	24.3	25.0	25.5
	12H	23.8	24.4	24.2	24.8	25.3	23.8	24.5	24.3	24.9	25.4
8H	4H	23.6	24.3	24.0	24.7	25.2	23.7	24.4	24.1	24.8	25.3
	6H	23.8	24.4	24.3	24.8	25.3	23.9	24.5	24.4	24.9	25.4
	8H	23.8	24.4	24.3	24.8	25.4	23.9	24.5	24.4	24.9	25.5
	12H	23.9	24.3	24.4	24.8	25.4	24.0	24.4	24.5	24.9	25.5
12H	4H	23.6	24.2	24.1	24.7	25.2	23.7	24.3	24.2	24.8	25.3
	6H	23.8	24.3	24.3	24.8	25.3	23.9	24.4	24.4	24.9	25.4
	8H	23.9	24.3	24.4	24.8	25.3	24.0	24.4	24.5	24.9	25.4

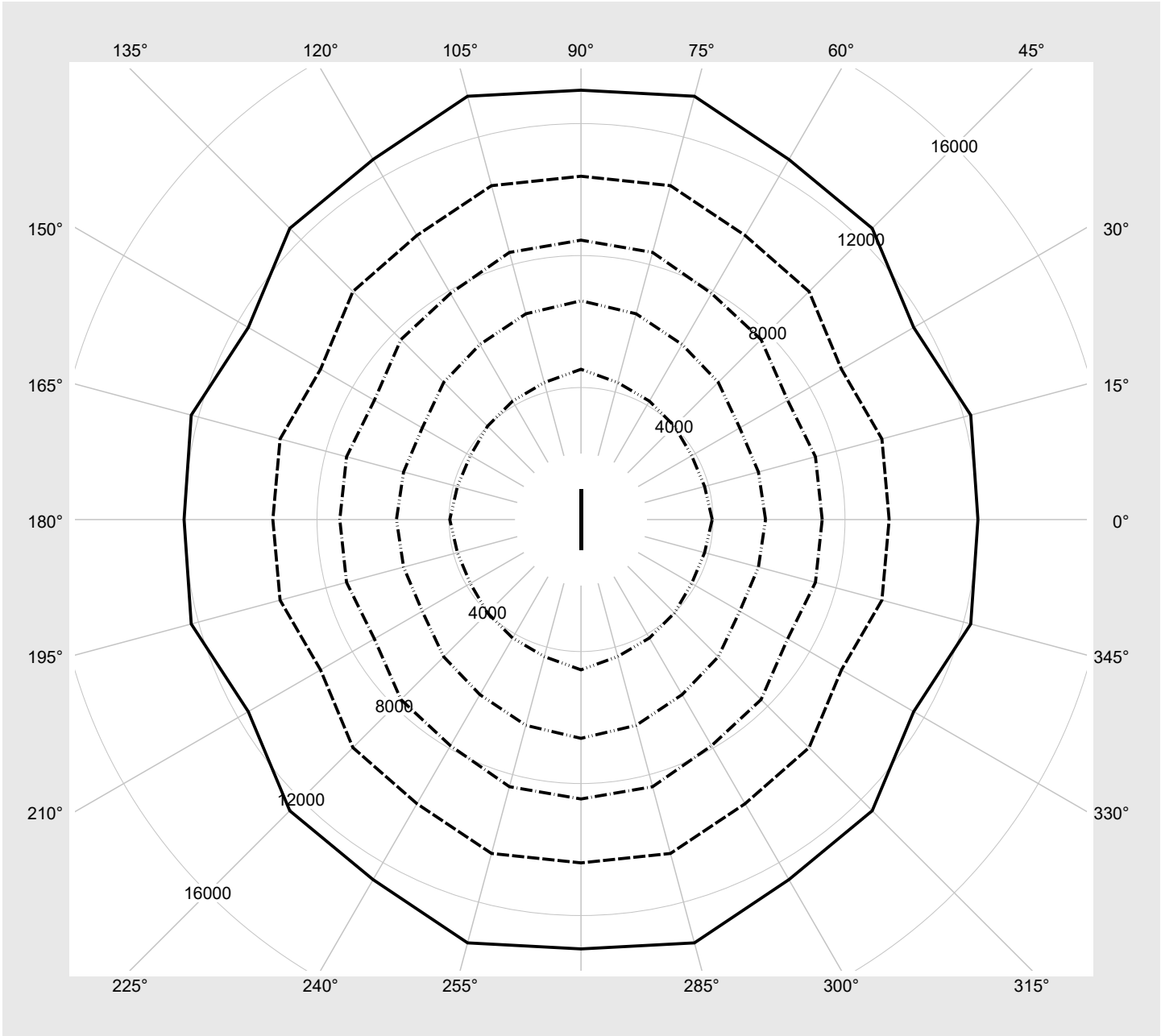
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1433	H(C0) = 5	H(C180) = 5
			B = 61	H(C90) = 5	H(C270) = 5

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°		32380.7	31656.9	33100.6	31837.3	32772.4	32587.3	35198.3	
50°		26415.5	25933.4	26145.2	26018.6	26714.1	26913.6	28267.2	
55°		20736.5	20686.4	19712.2	20783.6	21074.5	21619.0	21272.9	
60°		15777.1	15968.5	15058.2	16097.7	16271.9	16916.1	16478.7	
65°		12028.4	12227.7	11641.7	12480.4	12600.4	13281.2	13011.8	
70°		9338.3	9440.4	9113.4	9774.6	9943.2	10475.9	10404.4	
75°		7309.3	7355.1	7230.6	7716.2	7913.0	8381.6	8467.6	
80°		5592.5	5566.6	5555.1	5882.6	6126.7	6455.8	6630.6	
85°		3976.4	3877.2	3873.0	4004.4	4145.3	4298.5	4554.4	

Photometric test report

Family Trunking Flex 31	Order number: 51RF12MB49XG52C EAN: 4069025622600	LP number 59302_429
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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: 51RF12MB49XG52C EAN: 4069025622600	LP number 59302_429
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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		
13	ON	ON	OFF	ON	9100	53.5
10	ON	OFF	ON	OFF	7580	45.5
8	ON	OFF	OFF	OFF	6680	40.3
6	OFF	ON	ON	OFF	5740	35.0
4	OFF	ON	OFF	OFF	4820	29.8
2	OFF	OFF	ON	OFF	3880	24.8