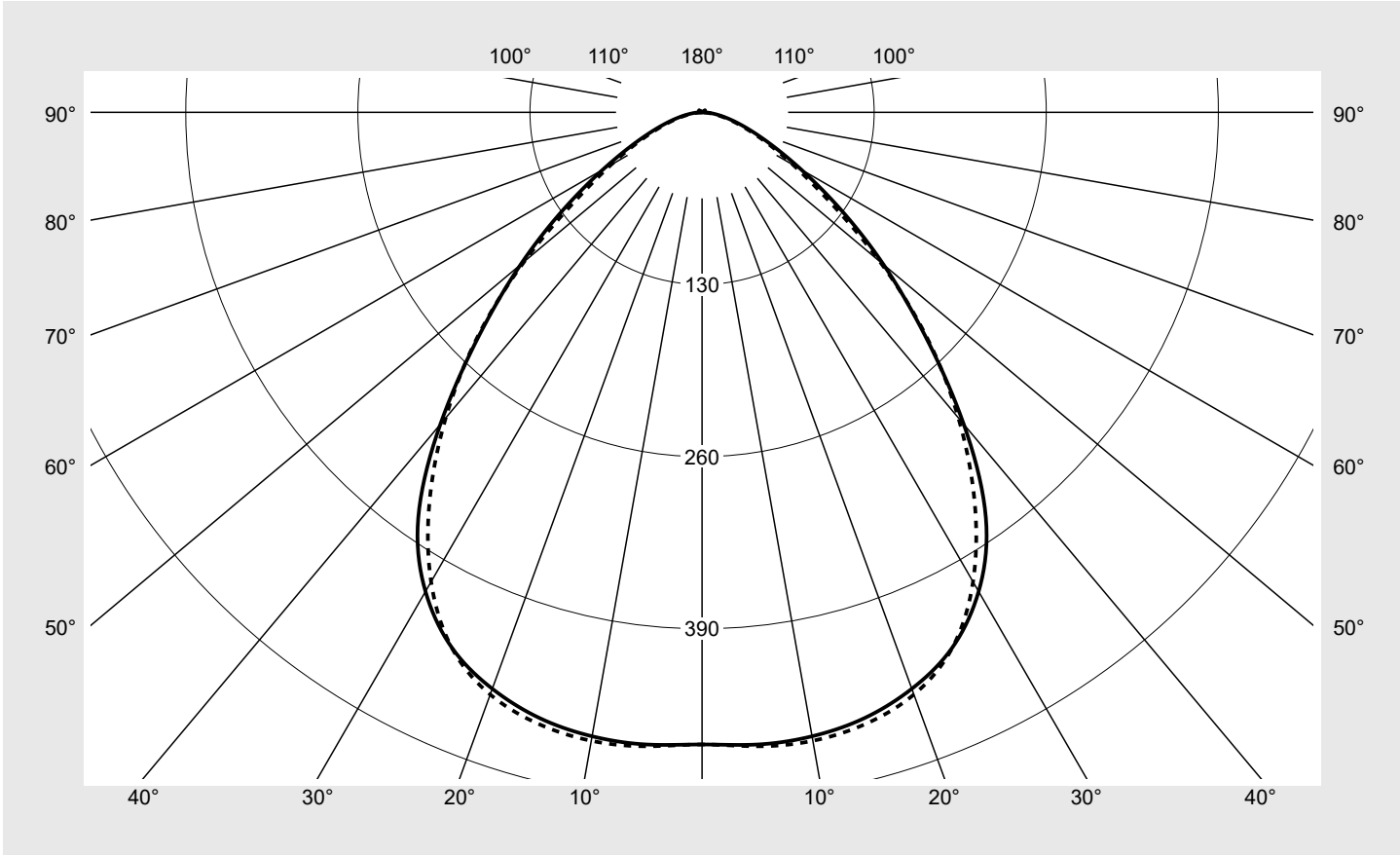


Photometric test report

Family Trunking Flex 31	Order number: 51RF12MB4B5G52S EAN: 4069025621542	LP number 59302_441
Version	primary light control with lens, transparent, PMMA, wide distribution	serial documentation 27.01.2026
Lamps	LED 4000 K CRI ≥ 80	
Controlgear	ECG Multilumen	
Setting	AC-mode	
Rated values	Net luminous flux = 11950 lm Power consumption = 70.6 W Luminous efficacy = 169.3 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: 51RF12MB4B5G52S EAN: 4069025621542	LP number 59302_441
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: 51RF12MB4B5G52S EAN: 4069025621542	LP number 59302_441
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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	23.4	24.9	23.7	25.2	25.5	23.5	25.0	23.8	25.3	25.6
	3H	23.9	25.2	24.2	25.5	25.9	23.9	25.3	24.3	25.6	26.0
	4H	24.0	25.3	24.4	25.6	26.0	24.1	25.4	24.5	25.7	26.1
	6H	24.1	25.2	24.5	25.6	26.0	24.2	25.3	24.6	25.7	26.1
	8H	24.2	25.2	24.6	25.6	26.0	24.3	25.3	24.7	25.7	26.1
	12H	24.2	25.2	24.6	25.6	26.0	24.3	25.2	24.7	25.6	26.0
4H	2H	23.7	24.9	24.1	25.3	25.6	23.7	25.0	24.1	25.3	25.7
	3H	24.2	25.3	24.7	25.7	26.1	24.3	25.4	24.8	25.8	26.2
	4H	24.5	25.4	24.9	25.8	26.2	24.6	25.5	25.0	25.9	26.3
	6H	24.6	25.4	25.1	25.8	26.3	24.7	25.5	25.2	25.9	26.4
	8H	24.7	25.4	25.1	25.8	26.3	24.8	25.5	25.2	25.9	26.4
	12H	24.7	25.3	25.2	25.8	26.3	24.8	25.4	25.3	25.9	26.4
8H	4H	24.5	25.2	25.0	25.7	26.2	24.6	25.3	25.1	25.8	26.3
	6H	24.7	25.3	25.2	25.8	26.3	24.8	25.4	25.3	25.9	26.4
	8H	24.8	25.3	25.3	25.8	26.3	24.9	25.4	25.4	25.9	26.4
	12H	24.9	25.3	25.4	25.8	26.3	24.9	25.4	25.4	25.9	26.4
12H	4H	24.5	25.2	25.0	25.6	26.1	24.6	25.3	25.1	25.7	26.2
	6H	24.7	25.2	25.2	25.7	26.2	24.8	25.3	25.3	25.8	26.3
	8H	24.8	25.2	25.3	25.7	26.3	24.9	25.3	25.4	25.8	26.4

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°		42521.9	41571.4	43467.3	41808.3	43036.3	42793.2	46221.9	
50°		34688.4	34055.4	34333.5	34167.3	35080.7	35342.6	37120.2	
55°		27230.9	27165.1	25885.8	27292.8	27674.8	28389.8	27935.3	
60°		20718.3	20969.7	19774.2	21139.3	21368.0	22213.9	21639.6	
65°		15795.6	16057.3	15287.8	16389.1	16546.7	17440.7	17087.0	
70°		12262.9	12397.0	11967.6	12835.9	13057.3	13756.8	13662.9	
75°		9598.4	9658.7	9495.2	10132.8	10391.3	11006.6	11119.5	
80°		7344.0	7309.9	7294.8	7724.9	8045.5	8477.7	8707.3	
85°		5221.7	5091.5	5086.0	5258.5	5443.5	5644.8	5980.7	

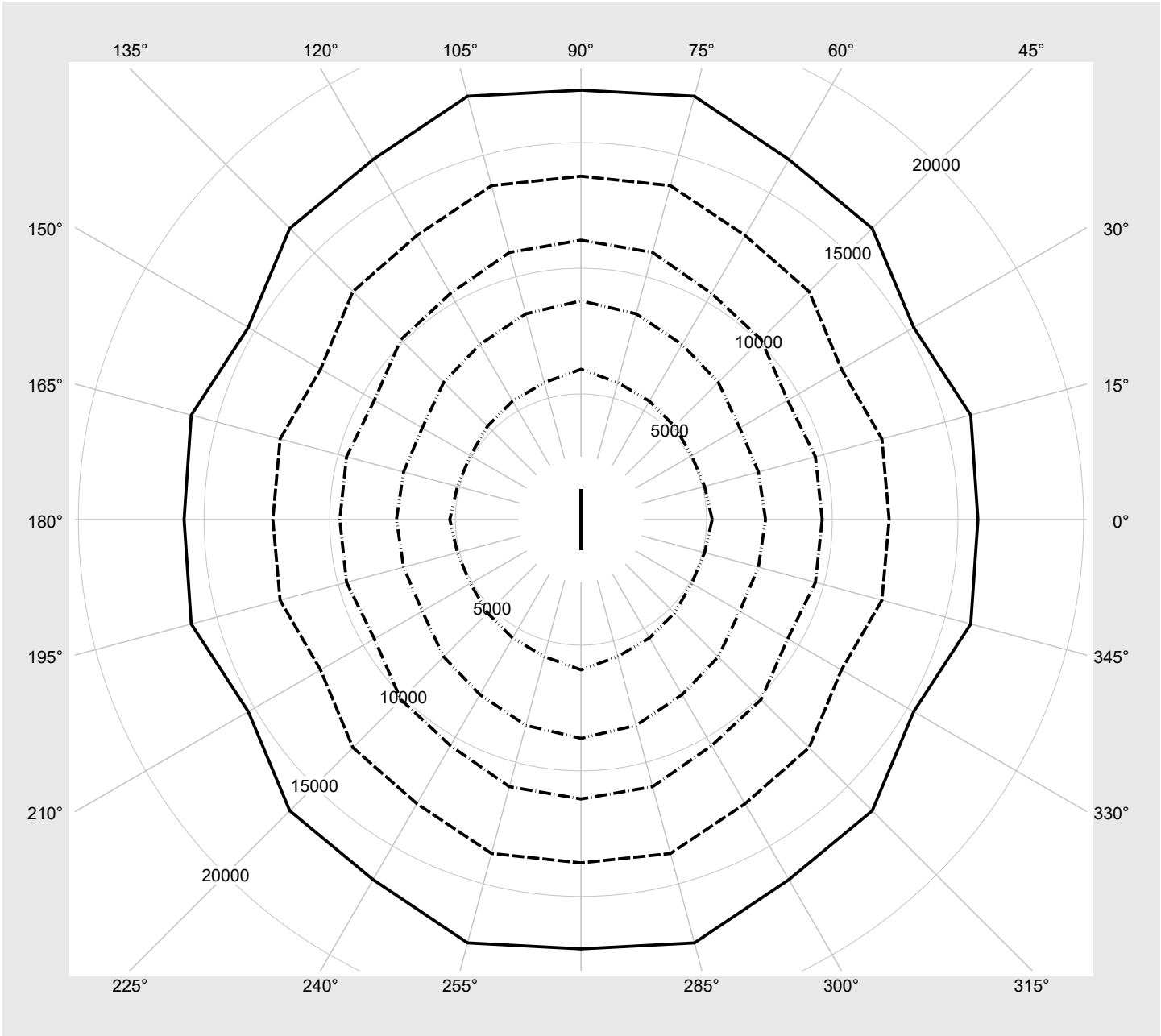
Photometric test report

Family Trunking Flex 31	Order number: 51RF12MB4B5G52S EAN: 4069025621542	LP number 59302_441
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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: 51RF12MB4B5G52S EAN: 4069025621542	LP number 59302_441
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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		
15	ON	ON	ON	ON	11950	70.6
13	ON	ON	OFF	ON	11160	65.6
11	ON	OFF	ON	ON	10360	60.7
9	ON	OFF	OFF	ON	9550	55.7
7	OFF	ON	ON	ON	8730	50.8
5	OFF	ON	OFF	ON	7900	46.1