

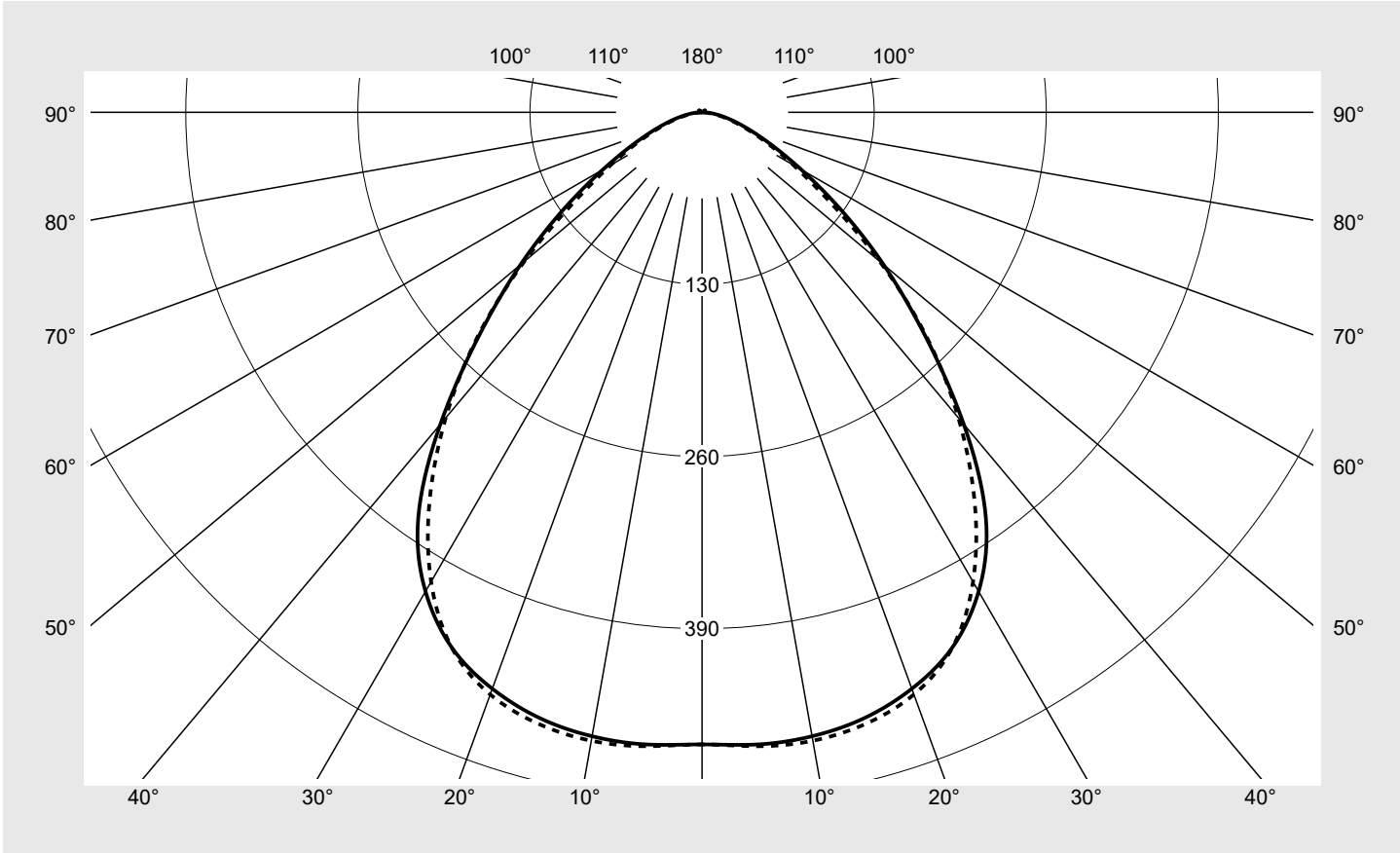


Photometric test report

Family Trunking Flex 31	Order number: 51RF12MB4B5G5 EAN: 4069025536846	LP number 59302_199
	Version primary light control with lens, transparent, PMMA, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 11950 lm Power consumption = 67.8 W Luminous efficacy = 176.3 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

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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

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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	

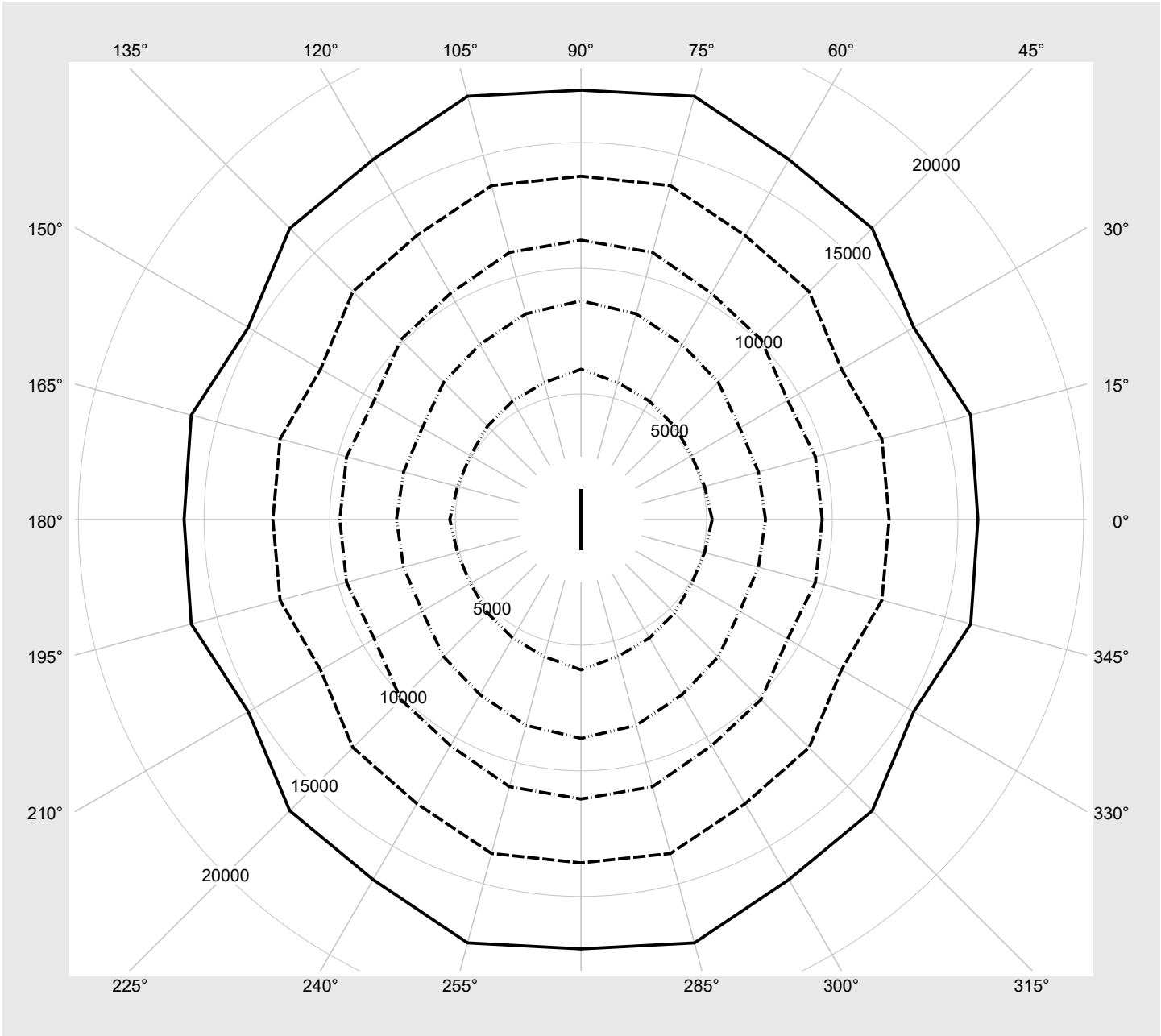
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco



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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	67.8
13	ON	ON	OFF	ON	11160	62.8
11	ON	OFF	ON	ON	10360	57.9
9	ON	OFF	OFF	ON	9550	52.9
7	OFF	ON	ON	ON	8730	48.0
5	OFF	ON	OFF	ON	7900	43.3