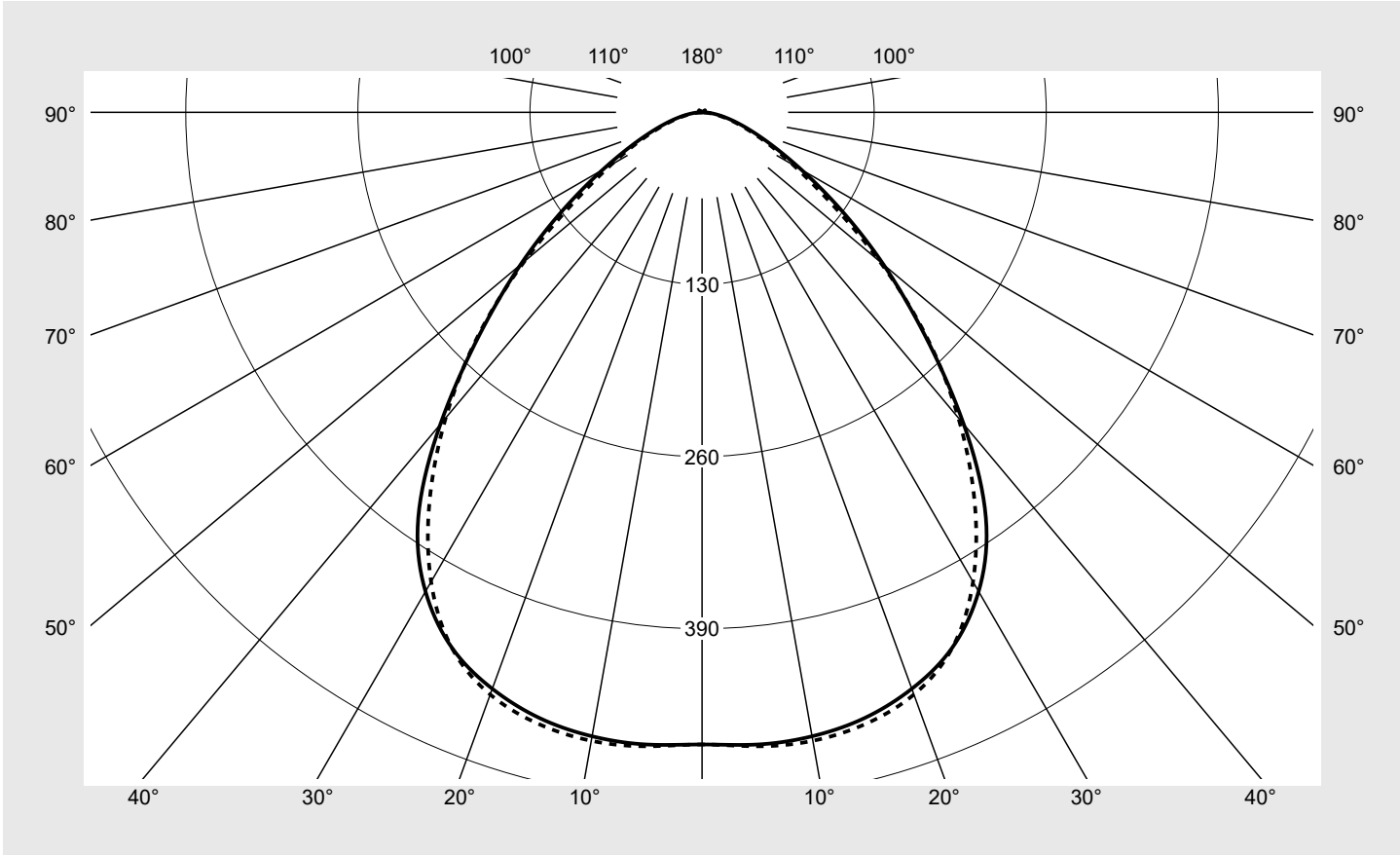


# Photometric test report

<b>Family</b> Trunking Flex 31	<b>Order number: 51RF12MB49XG52S</b> <b>EAN: 4069025622624</b>	<b>LP number</b> 59302_427
<b>Version</b>	primary light control with lens, transparent, PMMA, wide distribution	<b>serial documentation</b> 22.01.2026
<b>Lamps</b>	LED 4000 K   CRI ≥ 80	
<b>Controlgear</b>	ECG Multilumen	
<b>Setting</b>	AC-mode	
<b>Rated values</b>	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	
$\eta_{LB}$	100.0%
$\phi_u$	99.1%
$\phi_o$	0.9%

Measurement conditions
DIN EN 13032 and DIN 5032

## Photometric test report

Family <b>Trunking Flex 31</b>	Order number: <b>51RF12MB49XG52S</b> EAN: <b>4069025622624</b>	LP number <b>59302_427</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

C-planes $\gamma$	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: 51RF12MB49XG52S EAN: 4069025622624	LP number 59302_427
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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

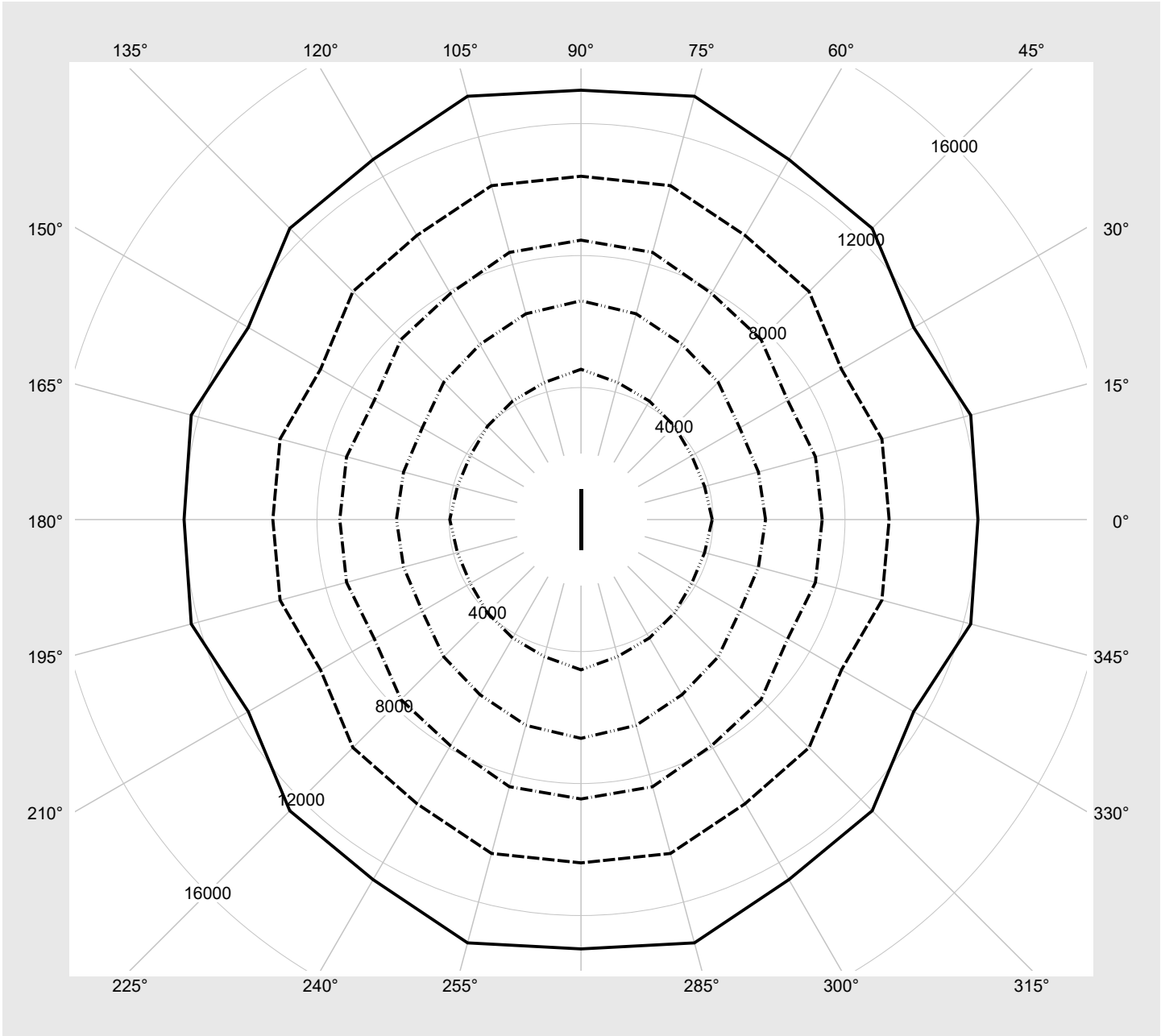
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1433 B = 61	H(C0) = 5 H(C90) = 5	H(C180) = 5 H(C270) = 5
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C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>								
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 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		

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**Luminance values in cd/m<sup>2</sup>**     γ 65°   γ 70°   γ 75°   γ 80°   γ 85°     **siteco**



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<b>Multilumen Table</b>	environmental temperature: 25°C	<b>sITeco</b>
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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