

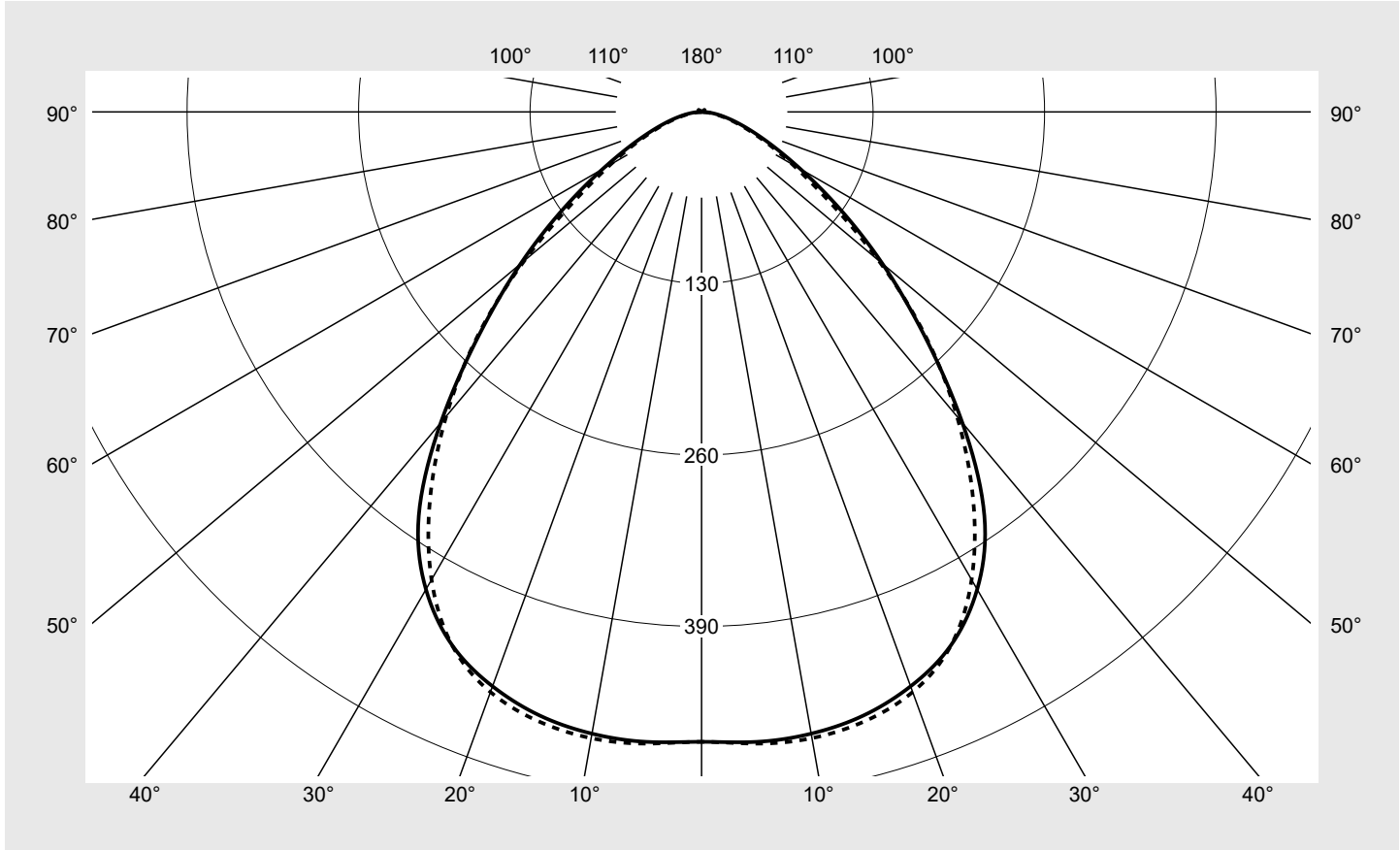


# Photometric test report

<b>Family</b> <b>Trunking Flex 31</b>	<b>Order number: 51RF12MB5BXG5</b> <b>EAN: 4069025578136</b>	<b>LP number</b> <b>59302_362</b>
	<b>Version</b> primary light control with lens, transparent, PMMA, wide distribution <b>Lamps</b> LED 5000 K   CRI ≥ 80 <b>Controlgear</b> ECG Multilumen <b>Rated values</b> Net luminous flux = 11320 lm Power consumption = 65.3 W Luminous efficacy = 173.4 lm/W	<b>serial documentation</b> <b>17.10.2025</b>
		

**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

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<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

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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	23.2	24.7	23.6	25.0	25.3	23.3	24.8	23.6	25.1	25.4
	3H	23.7	25.0	24.1	25.4	25.7	23.8	25.1	24.1	25.4	25.8
	4H	23.8	25.1	24.2	25.4	25.8	23.9	25.2	24.3	25.5	25.9
	6H	23.9	25.1	24.3	25.4	25.8	24.0	25.1	24.4	25.5	25.9
	8H	24.0	25.0	24.4	25.4	25.8	24.1	25.1	24.5	25.5	25.9
	12H	24.0	25.0	24.4	25.4	25.8	24.1	25.1	24.5	25.4	25.9
4H	2H	23.5	24.7	23.9	25.1	25.4	23.5	24.8	23.9	25.1	25.5
	3H	24.1	25.1	24.5	25.5	25.9	24.1	25.2	24.6	25.6	26.0
	4H	24.3	25.2	24.7	25.6	26.0	24.4	25.3	24.8	25.7	26.1
	6H	24.4	25.2	24.9	25.6	26.1	24.5	25.3	25.0	25.8	26.2
	8H	24.5	25.2	24.9	25.6	26.1	24.6	25.3	25.0	25.7	26.2
	12H	24.5	25.1	25.0	25.6	26.1	24.6	25.2	25.1	25.7	26.2
8H	4H	24.3	25.1	24.8	25.5	26.0	24.4	25.2	24.9	25.6	26.1
	6H	24.5	25.1	25.0	25.6	26.1	24.6	25.2	25.1	25.7	26.2
	8H	24.6	25.1	25.1	25.6	26.1	24.7	25.2	25.2	25.7	26.2
	12H	24.7	25.1	25.2	25.6	26.1	24.7	25.2	25.3	25.7	26.2
12H	4H	24.3	25.0	24.8	25.4	25.9	24.4	25.1	24.9	25.5	26.0
	6H	24.6	25.1	25.1	25.5	26.1	24.7	25.2	25.2	25.6	26.2
	8H	24.6	25.1	25.1	25.6	26.1	24.7	25.2	25.2	25.7	26.2

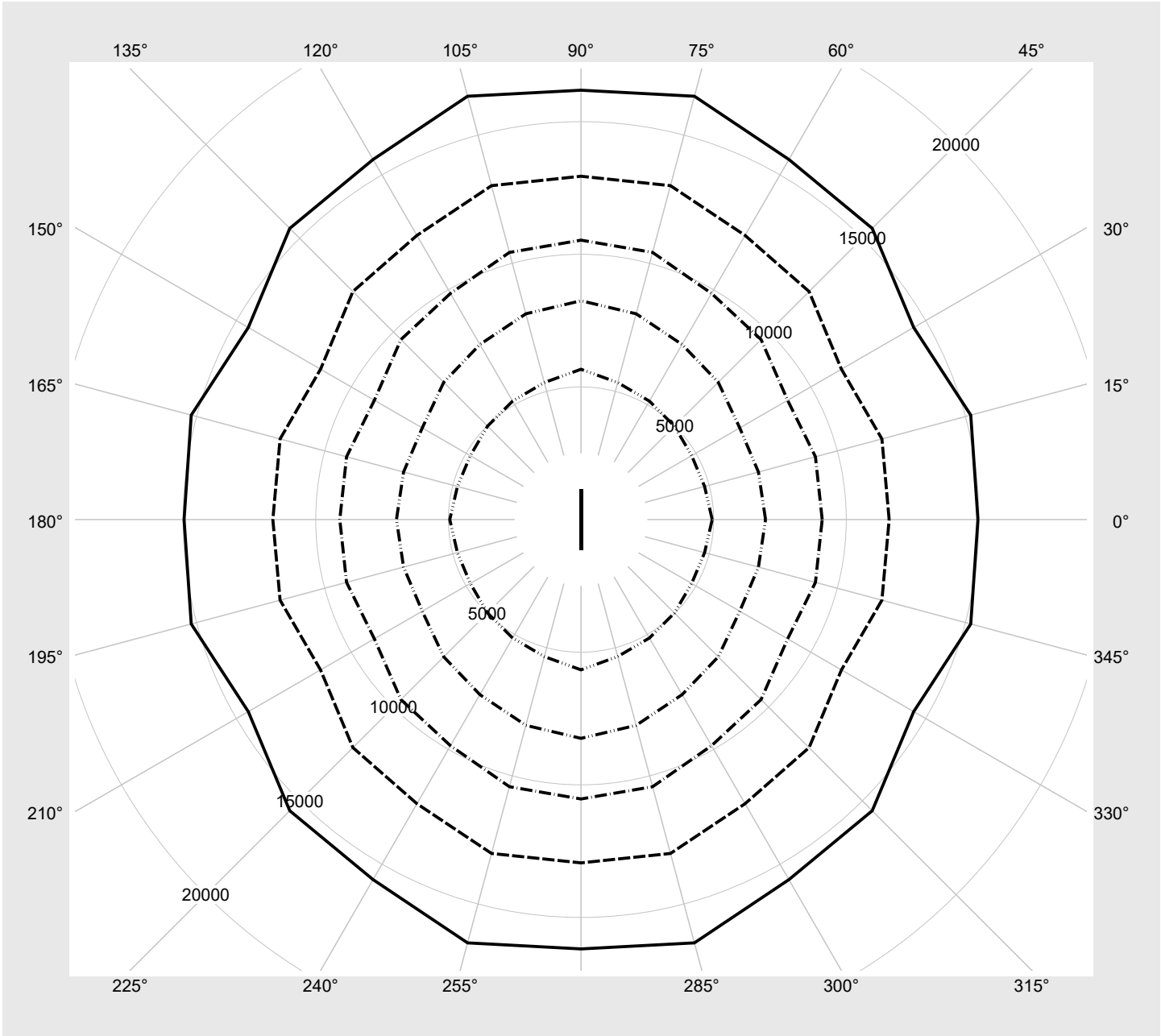
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1433 B = 61	H(C0) = 5 H(C90) = 5	H(C180) = 5 H(C270) = 5
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C-planes	$\gamma$	0° 180°	15°	30°	45°	60°	75°	90° 270°
			165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°	
Luminance in cd/m²								
45°		40280.2	39379.8	41175.8	39604.2	40767.4	40537.2	43785.1
50°		32859.7	32260.0	32523.4	32366.0	33231.2	33479.3	35163.2
55°		25795.3	25733.0	24521.1	25853.9	26215.8	26893.1	26462.6
60°		19626.0	19864.2	18731.8	20024.9	20241.5	21042.8	20498.8
65°		14962.8	15210.7	14481.8	15525.1	15674.4	16521.3	16186.1
70°		11616.4	11743.4	11336.7	12159.2	12369.0	13031.5	12942.6
75°		9092.4	9149.5	8994.6	9598.6	9843.4	10426.3	10533.3
80°		6956.9	6924.6	6910.2	7317.7	7621.3	8030.8	8248.2
85°		4946.5	4823.0	4817.8	4981.3	5156.5	5347.2	5665.4

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**Luminance values in cd/m<sup>2</sup>**       $\gamma$  65°      $\gamma$  70°      $\gamma$  75°      $\gamma$  80°      $\gamma$  85°



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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		
14	ON	ON	ON	OFF	11320	65.3
11	ON	OFF	ON	ON	10140	57.9
8	ON	OFF	OFF	OFF	8950	50.4
6	OFF	ON	ON	OFF	8140	45.6
4	OFF	ON	OFF	OFF	7320	40.9
2	OFF	OFF	ON	OFF	6490	36.2