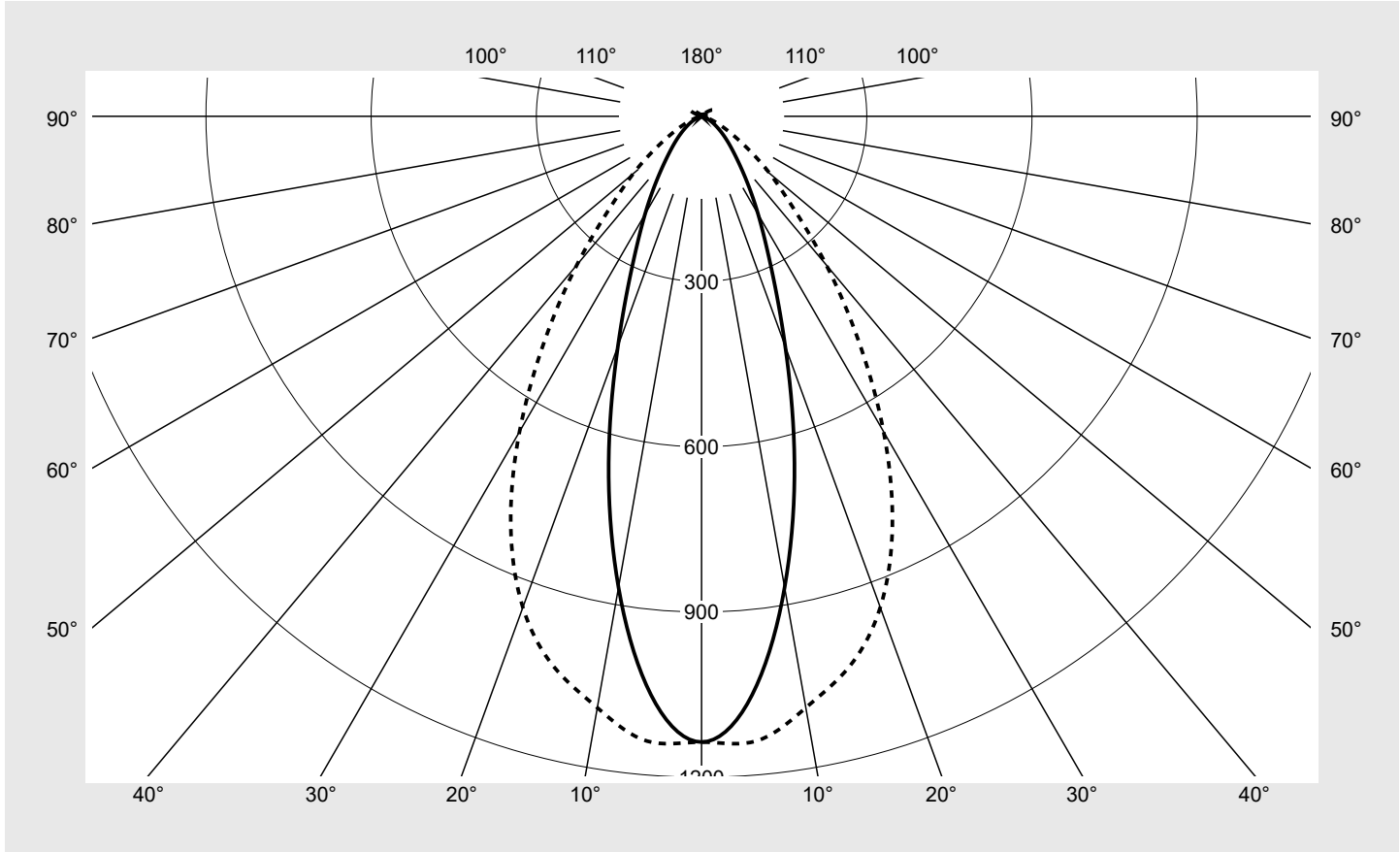


# Photometric test report

<b>Family</b> <b>Trunking Flex 31</b>	<b>Order number: 51RF1EDB4B5G5</b> <b>EAN: 4069025516206</b>	<b>LP number</b> <b>59804_19</b>
	<b>Version</b> primary light control with lens, transparent, PMMA, elliptical narrow distribution <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 11500 lm Power consumption = 64.5 W Luminous efficacy = 178.3 lm/W	<b>serial documentation</b> <b>12.06.2025</b>
		

**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 1139 cd/klm**



Classifications	
DIN 5040	A 6 2
CIE	N1=80 N2=96 N3=99 N4=95 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	94.9%
$\phi_o$	5.1%

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°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	1136.2	1136.2	1136.2	1136.2	1136.2	1136.2	1136.2	6.8	6.8
5°	1054.4	1060.7	1075.6	1092.3	1108.0	1131.1	1138.6	52.3	59.1
10°	868.6	876.4	906.9	970.4	1030.6	1069.7	1090.3	92.5	151.6
15°	651.9	662.3	713.1	792.0	905.5	998.6	1035.1	116.2	267.8
20°	444.1	454.6	521.3	624.3	752.8	884.8	948.9	122.9	390.7
25°	295.6	308.2	349.7	469.7	609.4	739.8	820.0	117.2	507.9
30°	205.5	217.0	247.8	327.0	467.1	589.9	661.2	104.2	612.1
35°	141.8	151.1	178.3	239.4	343.8	443.1	496.5	87.8	699.9
40°	98.2	105.4	128.3	175.6	244.3	324.5	352.2	70.7	770.6
45°	70.2	74.1	90.5	128.2	178.7	223.6	235.6	54.8	825.4
50°	49.9	52.7	65.3	94.0	127.0	151.6	161.9	41.7	867.1
55°	34.5	35.9	46.3	65.0	89.1	100.0	102.2	30.3	897.4
60°	22.9	23.9	30.4	44.9	57.7	64.7	61.5	20.9	918.2
65°	14.2	14.6	19.4	29.1	37.2	37.8	35.9	13.5	931.8
70°	10.4	8.7	10.9	16.9	22.3	20.0	19.1	8.0	939.8
75°	6.9	5.2	6.6	10.2	11.9	11.1	9.7	4.7	944.5
80°	4.1	3.4	4.4	5.7	6.3	5.9	4.7	2.7	947.2
85°	4.0	2.5	2.6	3.2	4.0	2.7	1.7	1.6	948.8
90°	2.1	1.9	2.0	2.4	2.0	1.3	0.8	1.0	949.8
95°	2.9	2.5	2.5	3.0	2.5	1.7	1.3	1.3	951.1
100°	3.2	4.1	5.4	5.9	7.0	3.5	2.4	2.6	953.7
105°	4.3	5.8	11.5	12.7	19.8	9.3	3.3	5.5	959.2
110°	6.2	7.9	17.9	21.7	23.4	19.7	8.1	8.4	967.6
115°	6.1	9.6	17.3	20.2	20.9	23.8	19.3	8.6	976.3
120°	8.5	10.2	14.0	16.5	18.0	20.9	23.1	7.6	983.8
125°	7.7	8.9	10.8	12.2	13.6	15.8	17.7	5.5	989.4
130°	6.4	7.0	7.5	8.5	10.0	11.8	11.5	3.8	993.1
135°	4.7	4.8	5.3	6.1	6.6	8.3	7.8	2.4	995.5
140°	3.2	3.5	4.3	4.6	4.9	5.6	5.1	1.6	997.1
145°	6.0	4.5	3.5	3.3	3.6	3.7	3.6	1.2	998.3
150°	2.7	2.2	2.0	2.3	2.7	2.6	2.3	0.7	999.0
155°	1.6	1.6	1.7	1.8	2.1	1.9	1.6	0.4	999.4
160°	1.2	1.4	1.5	1.7	1.9	1.3	1.5	0.3	999.7
165°	1.1	1.2	1.2	1.3	1.3	1.2	1.2	0.2	999.9
170°	1.1	1.0	1.0	1.0	1.0	0.9	0.9	0.1	1000.0
175°	0.6	0.7	0.6	0.6	0.6	0.6	0.7	0.0	1000.0
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	1000.0

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<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
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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	16.7	18.0	17.1	18.3	18.7	22.7	24.0	23.1	24.3	24.7
	3H	16.8	18.0	17.2	18.3	18.7	22.9	24.1	23.3	24.4	24.7
	4H	16.9	18.0	17.3	18.3	18.7	22.9	24.0	23.3	24.3	24.7
	6H	16.9	17.9	17.3	18.3	18.6	22.9	23.8	23.4	24.2	24.6
	8H	17.0	17.9	17.4	18.2	18.6	23.0	23.8	23.4	24.2	24.6
	12H	17.0	17.8	17.4	18.2	18.7	23.0	23.7	23.4	24.1	24.5
4H	2H	17.5	18.5	17.9	18.8	19.2	22.6	23.7	23.0	24.1	24.5
	3H	17.6	18.5	18.0	18.9	19.3	22.9	23.8	23.3	24.2	24.6
	4H	17.6	18.4	18.1	18.8	19.3	22.9	23.7	23.4	24.1	24.6
	6H	17.7	18.3	18.1	18.8	19.2	23.0	23.6	23.4	24.1	24.5
	8H	17.7	18.3	18.2	18.7	19.2	23.0	23.5	23.4	24.0	24.5
	12H	17.8	18.3	18.2	18.8	19.3	23.0	23.4	23.5	23.9	24.4
8H	4H	17.8	18.4	18.3	18.8	19.3	22.9	23.5	23.3	23.9	24.4
	6H	17.9	18.3	18.4	18.8	19.3	22.9	23.4	23.4	23.9	24.4
	8H	17.9	18.3	18.4	18.8	19.3	22.9	23.3	23.4	23.8	24.3
	12H	18.0	18.3	18.5	18.8	19.4	22.9	23.2	23.4	23.7	24.3
12H	4H	17.8	18.3	18.3	18.8	19.3	22.8	23.4	23.3	23.8	24.3
	6H	17.9	18.3	18.4	18.8	19.3	22.9	23.3	23.4	23.8	24.3
	8H	17.9	18.3	18.4	18.8	19.3	22.9	23.2	23.4	23.7	24.3

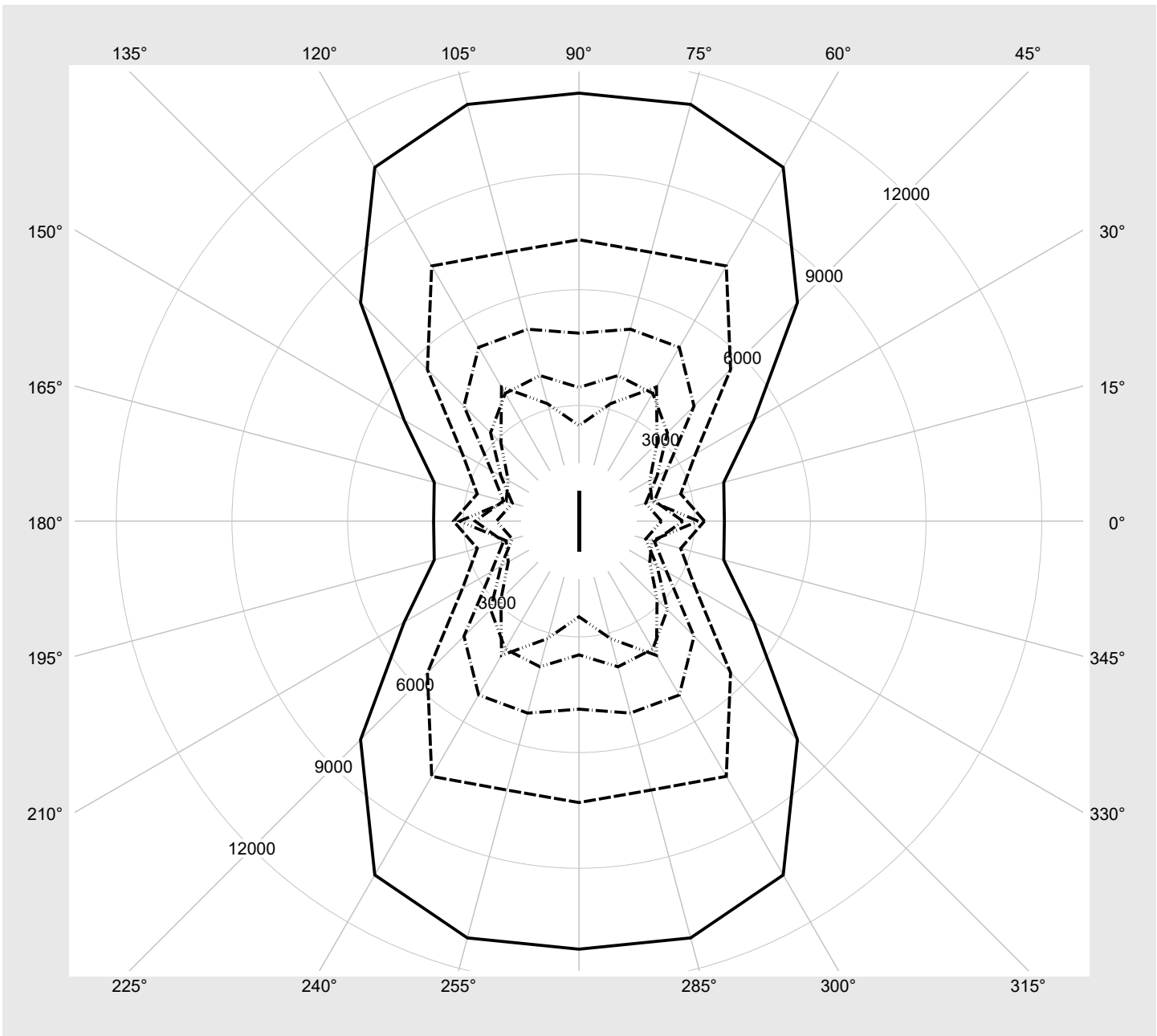
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1433</b>	<b>H(C0) = 5</b>	<b>H(C180) = 5</b>
			<b>B = 61</b>	<b>H(C90) = 5</b>	<b>H(C270) = 5</b>

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°		12079.4	12770.9	15694.5	22498.6	31849.7	40596.0	43679.3	
50°		9311.8	9837.3	12292.1	17944.3	24689.1	30151.7	32999.1	
55°		7081.0	7385.9	9622.9	13714.3	19233.6	22152.7	23335.3	
60°		5282.6	5514.3	7107.9	10692.8	14110.4	16327.0	16079.6	
65°		3770.4	3886.5	5234.5	8011.5	10592.7	11186.0	11097.2	
70°		3253.5	2730.7	3490.0	5559.2	7639.9	7217.5	7295.4	
75°		2693.5	2026.4	2625.8	4218.6	5203.9	5151.7	4874.7	
80°		2138.1	1789.7	2337.5	3242.2	3826.4	3908.4	3466.5	
85°		3093.2	1956.9	2119.2	2863.3	4018.3	3152.1	2477.9	

**Photometric test report**

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



## Photometric test report

Family Trunking Flex 31	Order number: 51RF1EDB4B5G5 EAN: 4069025516206	LP number 59804_19
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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	11500	64.5
95	240	252	10913	61.0
90	227	250	10358	57.7
85	213	248	9759	54.1
80	200	245	9198	50.9
75	187	243	8632	47.7
70	174	240	8062	44.4
65	161	237	7486	41.2
60	148	234	6907	38.0
55	135	231	6320	34.8
50	122	227	5731	31.7
45	110	223	5181	28.8
40	97	219	4584	25.6
35	85	214	4026	22.8
30	73	208	3464	19.9
25	60	201	2854	16.8
20	48	193	2285	13.8
15	36	182	1716	11.0
10	24	168	1140	8.2
5	12	142	564	5.3
2	5	110	226	3.8