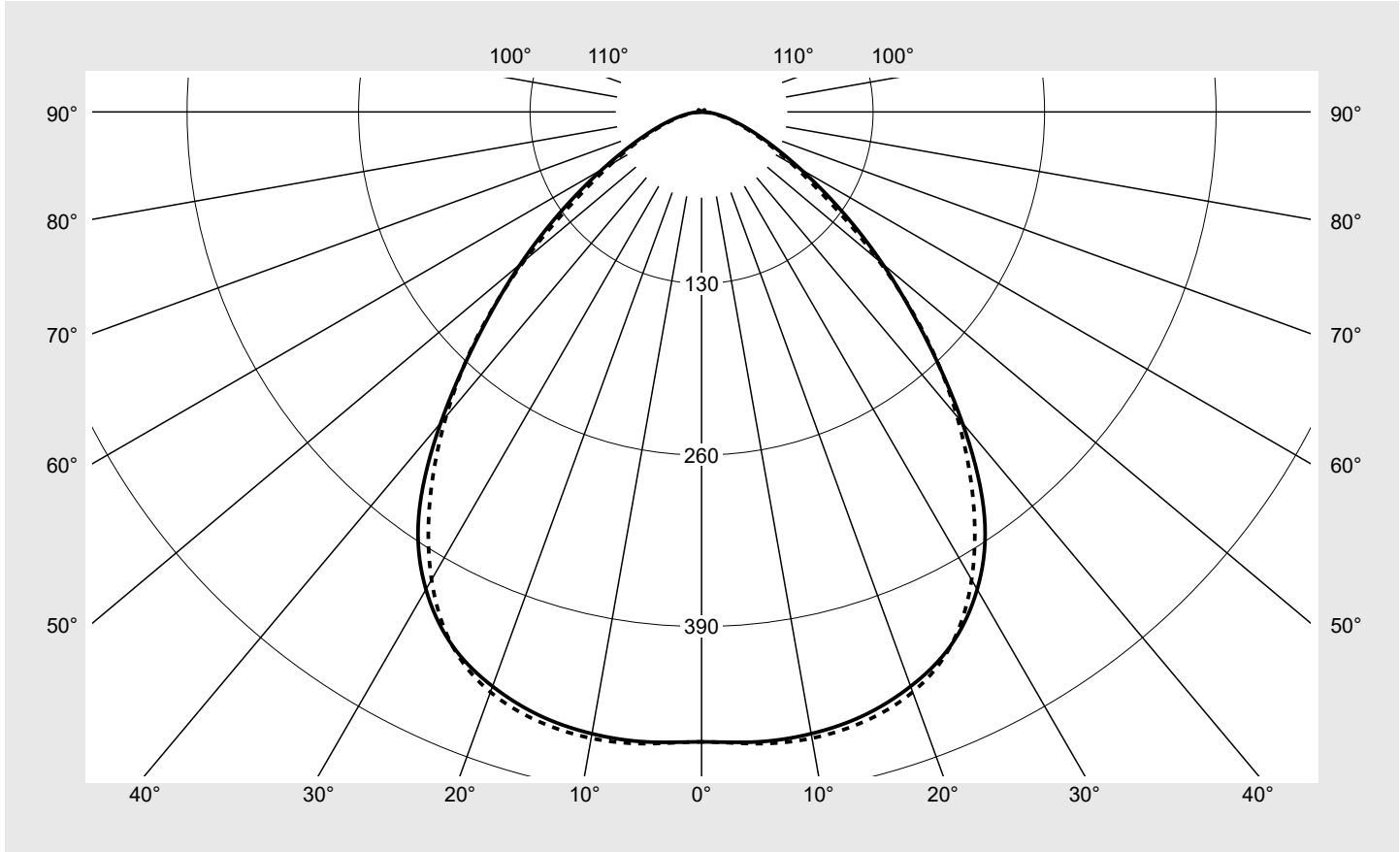


# Photometric test report

<b>Family</b> <b>Trunking Flex 31</b>	<b>Order number: 51RE12DB49B</b> <b>EAN: 4058352794609</b>	<b>LP number</b> <b>59302_53</b>
	<b>Version</b> primary light control with lens, transparent, PMMA, wide distribution <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 8900 lm Power consumption = 56.0 W Luminous efficacy = 158.9 lm/W	<b>serial documentation</b> <b>27.03.2024</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

## Photometric test report

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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	22.4	23.9	22.7	24.2	24.5	22.4	23.9	22.8	24.2	24.6
	3H	22.8	24.2	23.2	24.5	24.9	22.9	24.3	23.3	24.6	25.0
	4H	23.0	24.2	23.4	24.6	25.0	23.1	24.3	23.5	24.7	25.1
	6H	23.1	24.2	23.5	24.6	25.0	23.2	24.3	23.6	24.7	25.1
	8H	23.2	24.2	23.6	24.6	25.0	23.2	24.3	23.7	24.7	25.1
	12H	23.2	24.1	23.6	24.5	25.0	23.2	24.2	23.7	24.6	25.0
4H	2H	22.6	23.9	23.0	24.2	24.6	22.7	23.9	23.1	24.3	24.7
	3H	23.2	24.3	23.6	24.6	25.1	23.3	24.3	23.7	24.7	25.1
	4H	23.4	24.4	23.9	24.8	25.2	23.5	24.5	24.0	24.9	25.3
	6H	23.6	24.4	24.0	24.8	25.3	23.7	24.5	24.1	24.9	25.4
	8H	23.6	24.4	24.1	24.8	25.3	23.7	24.5	24.2	24.9	25.4
	12H	23.7	24.3	24.2	24.8	25.3	23.8	24.4	24.2	24.8	25.3
8H	4H	23.5	24.2	24.0	24.7	25.1	23.6	24.3	24.1	24.8	25.2
	6H	23.7	24.3	24.2	24.8	25.3	23.8	24.4	24.3	24.9	25.4
	8H	23.8	24.3	24.3	24.8	25.3	23.9	24.4	24.4	24.9	25.4
	12H	23.8	24.3	24.3	24.8	25.3	23.9	24.3	24.4	24.8	25.4
12H	4H	23.5	24.1	24.0	24.6	25.1	23.6	24.2	24.1	24.7	25.2
	6H	23.7	24.2	24.2	24.7	25.2	23.8	24.3	24.3	24.8	25.3
	8H	23.8	24.2	24.3	24.7	25.3	23.9	24.3	24.4	24.8	25.4

<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°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
	45°	31669.1	30961.1	32373.2	31137.6	32052.1	31871.1	34424.7	
	50°	25834.9	25363.4	25570.6	25446.7	26127.0	26322.1	27646.0	
	55°	20280.8	20231.8	19279.0	20326.8	20611.3	21143.9	20805.4	
	60°	15430.3	15617.6	14727.3	15743.9	15914.2	16544.3	16116.5	
	65°	11764.1	11959.0	11385.9	12206.1	12323.5	12989.3	12725.8	
	70°	9133.0	9232.9	8913.1	9559.8	9724.7	10245.6	10175.7	
	75°	7148.6	7193.5	7071.7	7546.6	7739.1	8197.4	8281.5	
	80°	5469.6	5444.2	5433.0	5753.3	5992.0	6314.0	6484.9	
	85°	3889.0	3792.0	3787.9	3916.4	4054.2	4204.0	4454.3	

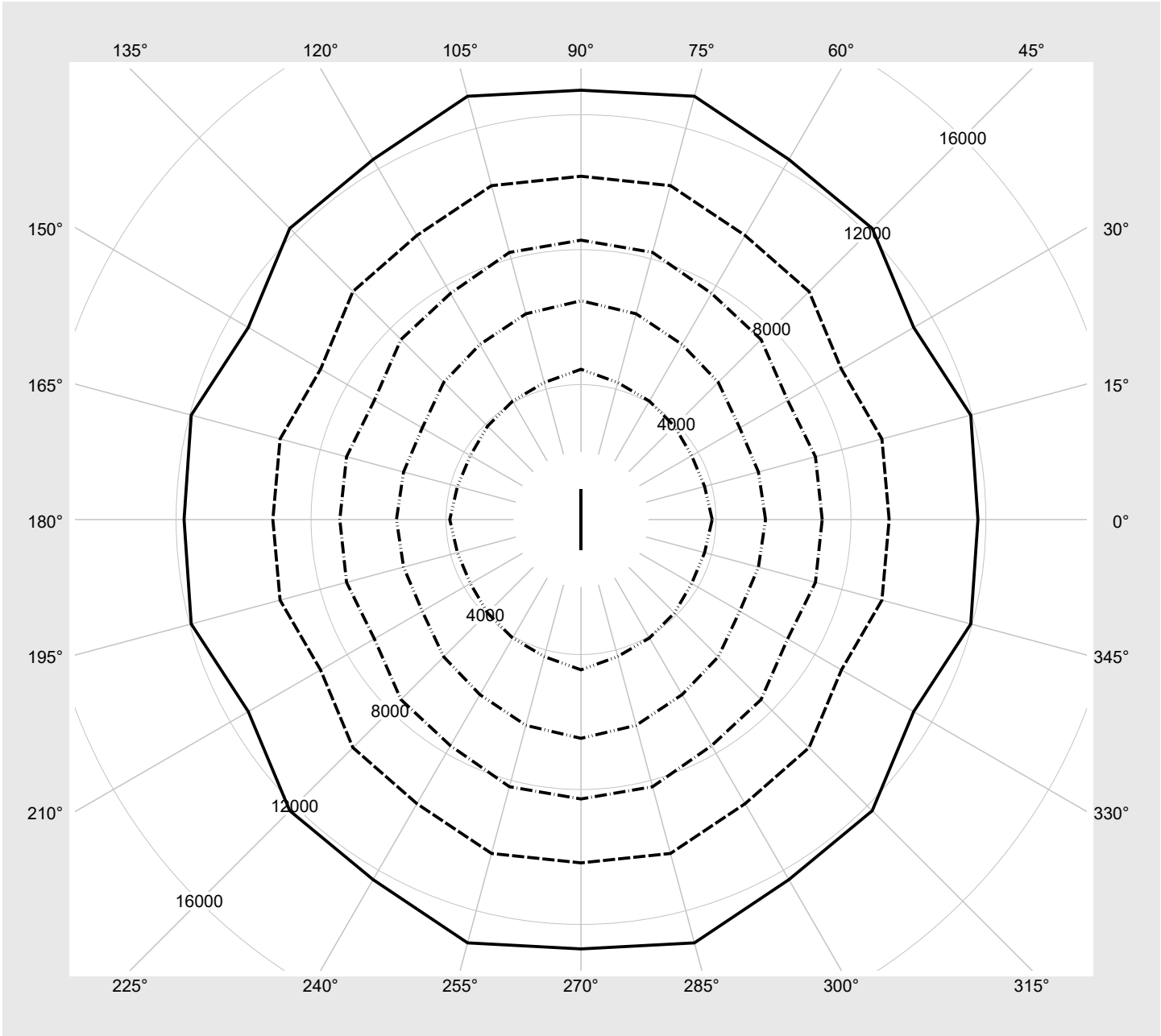
**Photometric test report**

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**Luminance values in cd/m<sup>2</sup>**

$\gamma$  65°   
   $\gamma$  70°   
   $\gamma$  75°   
   $\gamma$  80°   
   $\gamma$  85°



## Photometric test report

Family <b>Trunking Flex 31</b>	Order number: <b>51RE12DB49B</b> EAN: <b>4058352794609</b>	LP number <b>59302_53</b>
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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		
2	OFF	ON	OFF	OFF	8900	56.0
3	ON	ON	OFF	OFF	8500	54.0
4	OFF	OFF	ON	OFF	8200	52.0
5	ON	OFF	ON	OFF	8000	50.0
6	OFF	ON	ON	OFF	7700	48.0
7	ON	ON	ON	OFF	7400	46.0
8	OFF	OFF	OFF	ON	7100	44.0
9	ON	OFF	OFF	ON	6800	42.0
10	OFF	ON	OFF	ON	6500	40.0
11	ON	ON	OFF	ON	6100	38.0
12	OFF	OFF	ON	ON	5800	36.0
13	ON	OFF	ON	ON	5500	34.0
14	OFF	ON	ON	ON	5200	32.0
15	ON	ON	ON	ON	4900	30.0