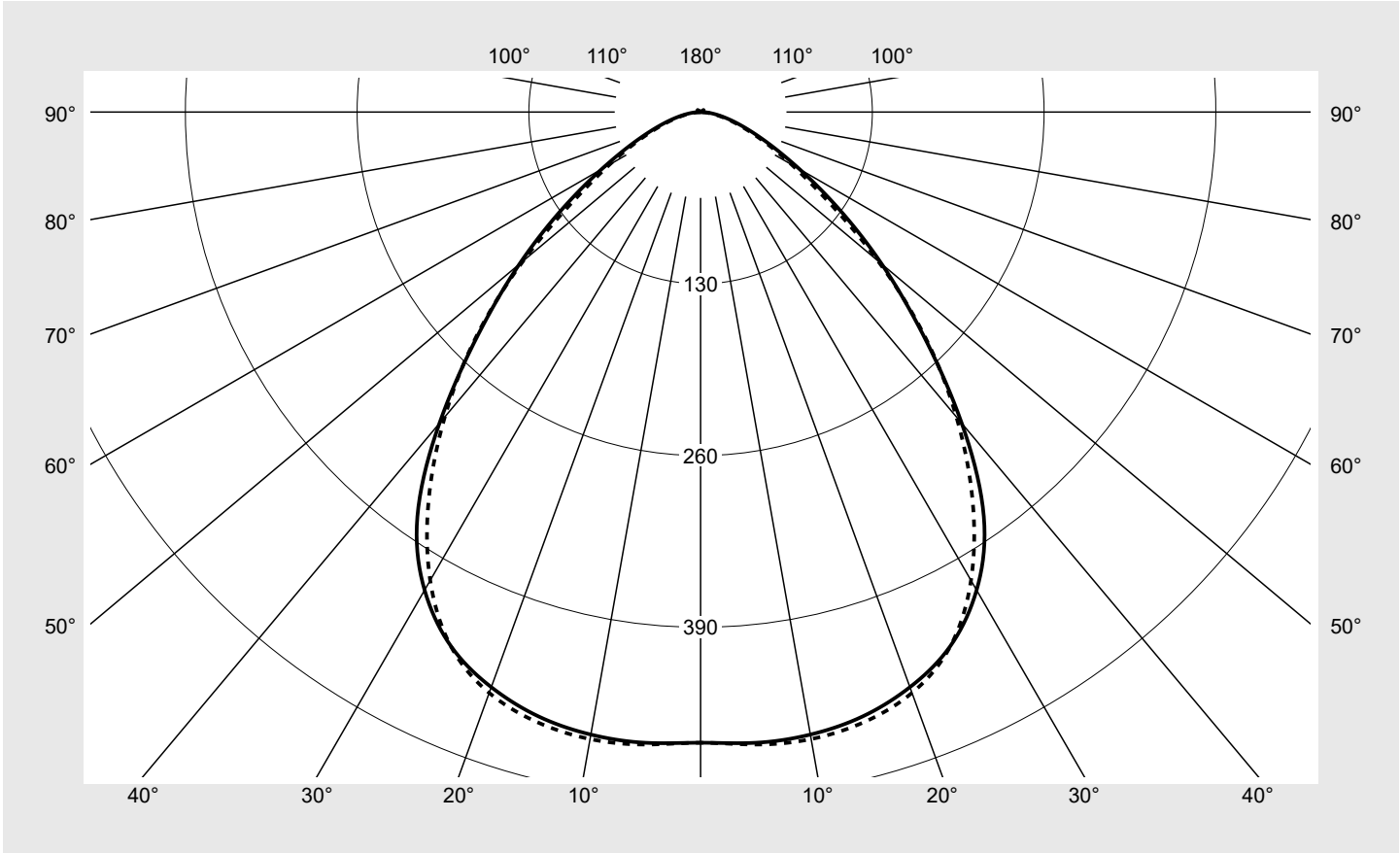


Photometric test report

Family Trunking Flex 31	Order number: 51RF12DB49XG52C EAN: 4069025560070	LP number 59302_347
Version	primary light control with lens, transparent, PMMA, wide distribution	serial documentation 09.10.2025
Lamps	LED 4000 K CRI ≥ 80	
Controlgear	ECG-DALI	
Setting	3 h	
Rated values	Net luminous flux = 480 lm Power consumption = 2.3 W Luminous efficacy = 208.7 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	
η_{LB}	100.0%
ϕ_u	99.1%
ϕ_o	0.9%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Trunking Flex 31	Order number: 51RF12DB49XG52C EAN: 4069025560070	LP number 59302_347
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

Photometric test report

Family Trunking Flex 31	Order number: 51RF12DB49XG52C EAN: 4069025560070	LP number 59302_347
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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	12.2	13.7	12.6	14.0	14.4	12.3	13.8	12.6	14.1	14.4
	3H	12.7	14.0	13.1	14.4	14.7	12.8	14.1	13.2	14.5	14.8
	4H	12.8	14.1	13.2	14.4	14.8	12.9	14.2	13.3	14.5	14.9
	6H	12.9	14.1	13.4	14.4	14.8	13.0	14.2	13.4	14.5	14.9
	8H	13.0	14.1	13.4	14.4	14.8	13.1	14.1	13.5	14.5	14.9
	12H	13.0	14.0	13.5	14.4	14.8	13.1	14.1	13.5	14.5	14.9
4H	2H	12.5	13.7	12.9	14.1	14.5	12.5	13.8	12.9	14.1	14.5
	3H	13.1	14.1	13.5	14.5	14.9	13.2	14.2	13.6	14.6	15.0
	4H	13.3	14.2	13.7	14.6	15.1	13.4	14.3	13.8	14.7	15.2
	6H	13.4	14.2	13.9	14.7	15.1	13.5	14.3	14.0	14.8	15.2
	8H	13.5	14.2	14.0	14.7	15.1	13.6	14.3	14.1	14.8	15.2
	12H	13.5	14.2	14.0	14.6	15.1	13.6	14.2	14.1	14.7	15.2
8H	4H	13.4	14.1	13.8	14.5	15.0	13.5	14.2	13.9	14.6	15.1
	6H	13.6	14.1	14.0	14.6	15.1	13.7	14.2	14.1	14.7	15.2
	8H	13.6	14.1	14.1	14.6	15.1	13.7	14.2	14.2	14.7	15.2
	12H	13.7	14.1	14.2	14.6	15.2	13.8	14.2	14.3	14.7	15.2
12H	4H	13.4	14.0	13.9	14.5	14.9	13.5	14.1	13.9	14.5	15.0
	6H	13.6	14.1	14.1	14.6	15.1	13.7	14.2	14.2	14.7	15.2
	8H	13.6	14.1	14.2	14.6	15.1	13.7	14.2	14.3	14.7	15.2

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	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°		1708.0	1669.8	1746.0	1679.3	1728.7	1718.9	1856.6		
50°		1393.3	1367.9	1379.1	1372.4	1409.1	1419.6	1491.0		
55°		1093.8	1091.2	1039.8	1096.3	1111.6	1140.3	1122.1		
60°		832.2	842.3	794.3	849.1	858.3	892.3	869.2		
65°		634.5	645.0	614.1	658.3	664.6	700.5	686.3		
70°		492.6	498.0	480.7	515.6	524.5	552.6	548.8		
75°		385.5	388.0	381.4	407.0	417.4	442.1	446.6		
80°		295.0	293.6	293.0	310.3	323.2	340.5	349.7		
85°		209.7	204.5	204.3	211.2	218.7	226.7	240.2		

Photometric test report

Family
Trunking Flex 31

Order number: 51RF12DB49XG52C
EAN: 4069025560070

LP number
59302_347

Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

