

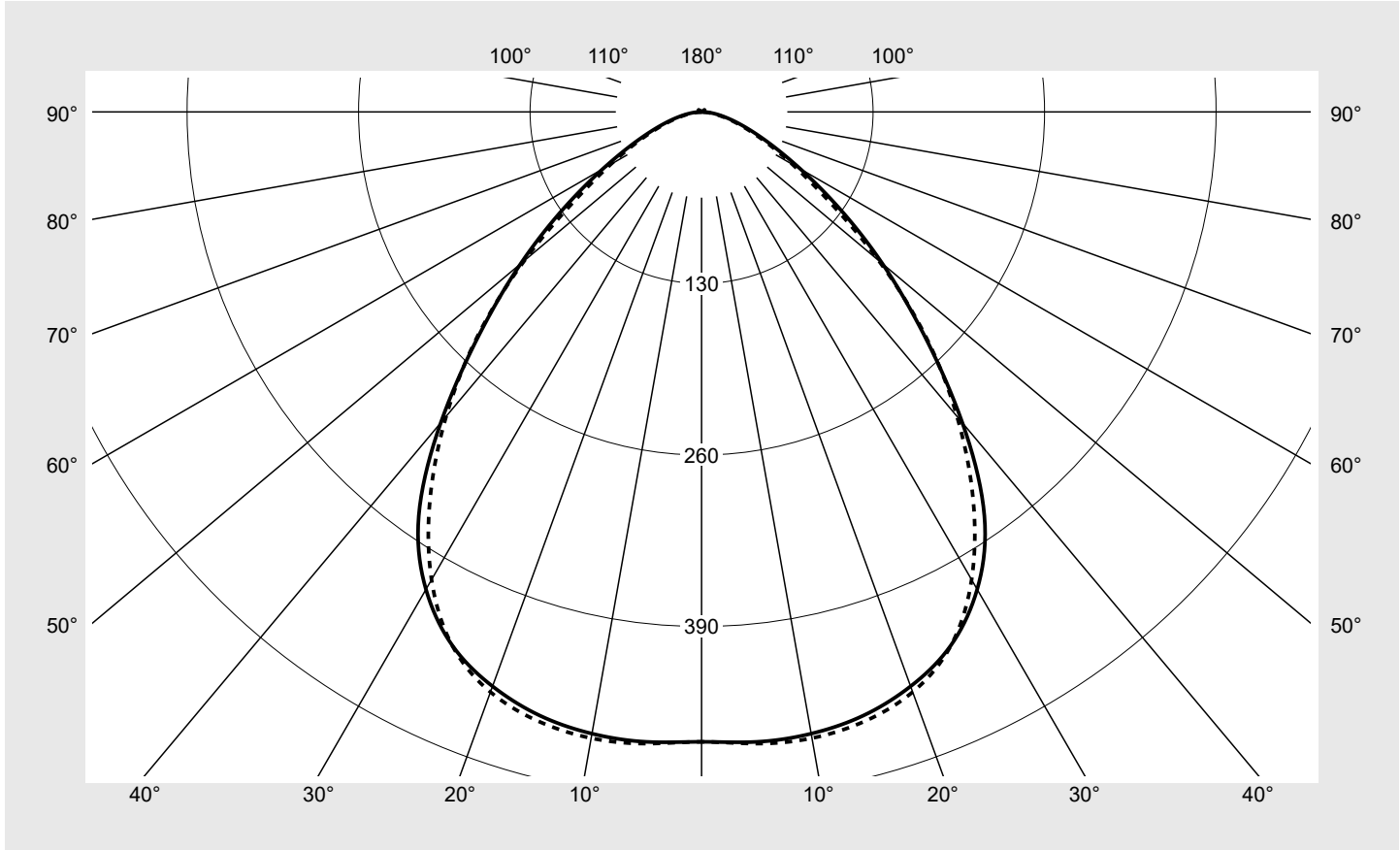


Photometric test report

Family Trunking Flex 31	Order number: 51RF12DB49XG5D EAN: 4069025603074	LP number 59302_359										
	<table border="0"> <tr> <td>Version</td> <td>primary light control with lens, transparent, PMMA, wide distribution</td> </tr> <tr> <td>Lamps</td> <td>LED 4000 K CRI ≥ 80</td> </tr> <tr> <td>Controlgear</td> <td>ECG-DALI</td> </tr> <tr> <td>Setting</td> <td>DC mode (central or group accumulator) initial emergency light level</td> </tr> <tr> <td>Rated values</td> <td> Net luminous flux = 1390 lm Power consumption = 8.6 W Luminous efficacy = 161.6 lm/W </td> </tr> </table>	Version	primary light control with lens, transparent, PMMA, wide distribution	Lamps	LED 4000 K CRI ≥ 80	Controlgear	ECG-DALI	Setting	DC mode (central or group accumulator) initial emergency light level	Rated values	Net luminous flux = 1390 lm Power consumption = 8.6 W Luminous efficacy = 161.6 lm/W	serial documentation 15.10.2025 
Version	primary light control with lens, transparent, PMMA, wide distribution											
Lamps	LED 4000 K CRI ≥ 80											
Controlgear	ECG-DALI											
Setting	DC mode (central or group accumulator) initial emergency light level											
Rated values	Net luminous flux = 1390 lm Power consumption = 8.6 W Luminous efficacy = 161.6 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

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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

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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	15.9	17.4	16.3	17.7	18.0	16.0	17.5	16.3	17.8	18.1
	3H	16.4	17.7	16.8	18.1	18.4	16.5	17.8	16.9	18.1	18.5
	4H	16.5	17.8	16.9	18.1	18.5	16.6	17.9	17.0	18.2	18.6
	6H	16.6	17.8	17.0	18.1	18.5	16.7	17.9	17.1	18.2	18.6
	8H	16.7	17.7	17.1	18.1	18.5	16.8	17.8	17.2	18.2	18.6
	12H	16.7	17.7	17.2	18.1	18.5	16.8	17.8	17.2	18.2	18.6
4H	2H	16.2	17.4	16.6	17.8	18.2	16.2	17.5	16.6	17.8	18.2
	3H	16.8	17.8	17.2	18.2	18.6	16.9	17.9	17.3	18.3	18.7
	4H	17.0	17.9	17.4	18.3	18.8	17.1	18.0	17.5	18.4	18.9
	6H	17.1	17.9	17.6	18.4	18.8	17.2	18.0	17.7	18.5	18.9
	8H	17.2	17.9	17.7	18.3	18.8	17.3	18.0	17.7	18.4	18.9
	12H	17.2	17.9	17.7	18.3	18.8	17.3	17.9	17.8	18.4	18.9
8H	4H	17.0	17.8	17.5	18.2	18.7	17.1	17.9	17.6	18.3	18.8
	6H	17.2	17.8	17.7	18.3	18.8	17.3	17.9	17.8	18.4	18.9
	8H	17.3	17.8	17.8	18.3	18.8	17.4	17.9	17.9	18.4	18.9
	12H	17.4	17.8	17.9	18.3	18.8	17.5	17.9	18.0	18.4	18.9
12H	4H	17.1	17.7	17.5	18.1	18.6	17.2	17.8	17.6	18.2	18.7
	6H	17.3	17.8	17.8	18.3	18.8	17.4	17.9	17.9	18.4	18.9
	8H	17.3	17.8	17.9	18.3	18.8	17.4	17.9	18.0	18.4	18.9

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°		4946.1	4835.5	5056.0	4863.1	5005.9	4977.6	5376.4		
50°		4034.9	3961.3	3993.6	3974.3	4080.5	4111.0	4317.7		
55°		3167.4	3159.8	3011.0	3174.6	3219.1	3302.2	3249.4		
60°		2409.9	2439.2	2300.1	2458.9	2485.5	2583.9	2517.1		
65°		1837.3	1867.7	1778.2	1906.4	1924.7	2028.7	1987.5		
70°		1426.4	1442.0	1392.0	1493.1	1518.8	1600.2	1589.2		
75°		1116.5	1123.5	1104.5	1178.6	1208.7	1280.3	1293.4		
80°		854.2	850.3	848.5	898.5	935.8	986.1	1012.8		
85°		607.4	592.2	591.6	611.7	633.2	656.6	695.7		

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**

