
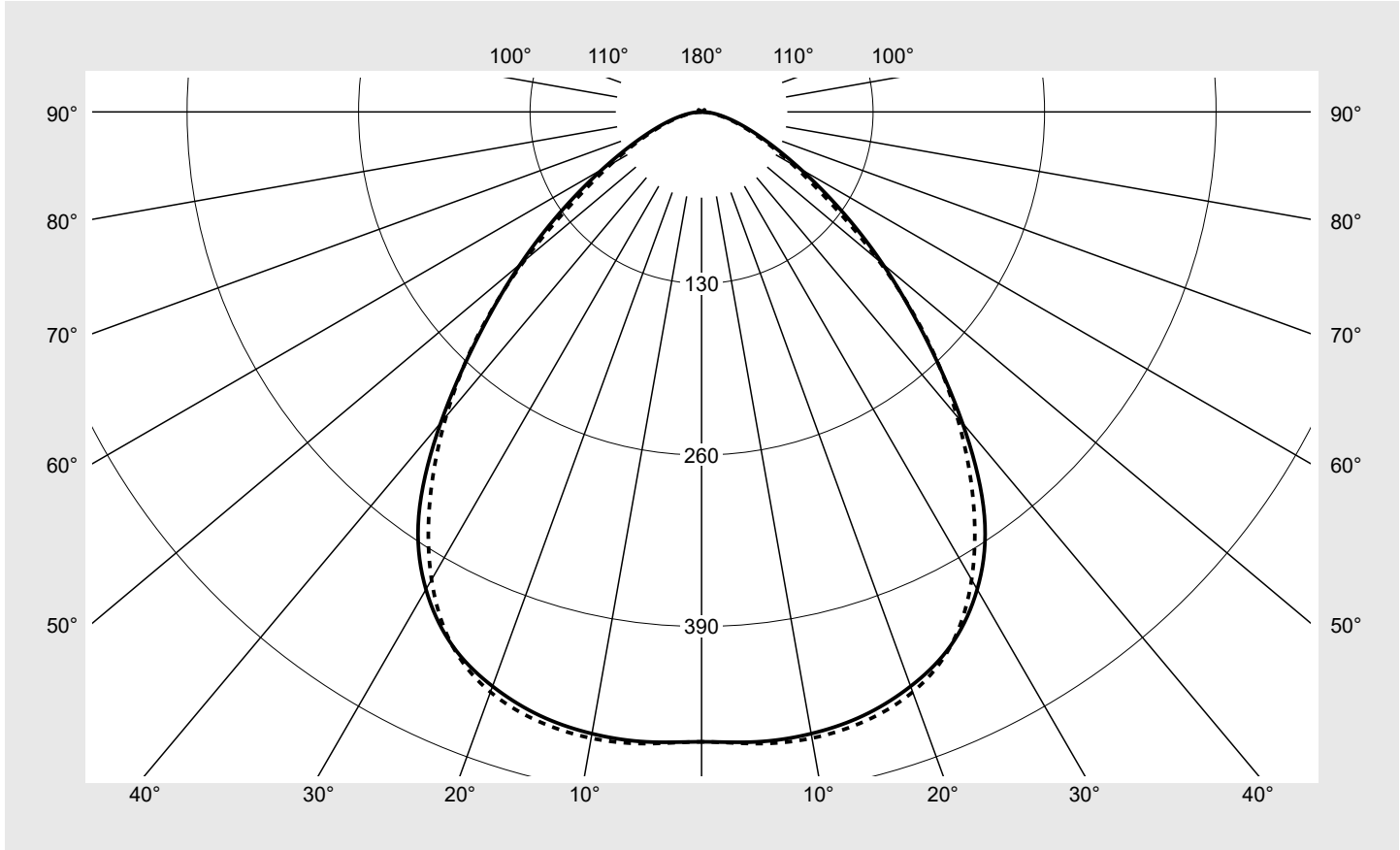


Photometric test report

Family Trunking Flex 31	Order number: 51RF12DA47XG4D EAN: 4069025603036	LP number 59302_142
	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 = 1120 lm Power consumption = 7.3 W Luminous efficacy = 153.4 lm/W	serial documentation 01.07.2025




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

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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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Family Trunking Flex 31	Order number: 51RF12DA47XG4D EAN: 4069025603036	LP number 59302_142
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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	17.8	18.1	16.0	17.5	16.4	17.8	18.1
	3H	16.4	17.8	16.8	18.1	18.4	16.5	17.8	16.9	18.2	18.5
	4H	16.6	17.8	17.0	18.2	18.5	16.7	17.9	17.0	18.3	18.6
	6H	16.7	17.8	17.1	18.2	18.6	16.7	17.9	17.2	18.3	18.6
	8H	16.7	17.8	17.2	18.2	18.6	16.8	17.9	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	17.5	16.6	17.8	18.2	16.3	17.5	16.7	17.9	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	17.2	18.0	17.6	18.4	18.8	17.3	18.1	17.7	18.5	18.9
	8H	17.2	17.9	17.7	18.4	18.9	17.3	18.0	17.8	18.5	18.9
	12H	17.3	17.9	17.7	18.3	18.8	17.3	18.0	17.8	18.4	18.9
8H	4H	17.1	17.8	17.5	18.2	18.7	17.2	17.9	17.6	18.3	18.8
	6H	17.3	17.9	17.8	18.3	18.8	17.4	18.0	17.9	18.4	18.9
	8H	17.3	17.9	17.8	18.3	18.9	17.4	18.0	17.9	18.4	19.0
	12H	17.4	17.8	17.9	18.3	18.9	17.5	17.9	18.0	18.4	18.9
12H	4H	17.1	17.7	17.6	18.2	18.7	17.2	17.8	17.7	18.3	18.8
	6H	17.3	17.8	17.8	18.3	18.8	17.4	17.9	17.9	18.4	18.9
	8H	17.4	17.8	17.9	18.3	18.8	17.5	17.9	18.0	18.4	18.9

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1146 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°	45°	4983.4	4871.0	5092.1	4896.9	5040.0	5011.1	5412.3		
50°	50°	4065.3	3990.2	4021.8	4001.5	4107.8	4138.0	4345.8		
55°	55°	3191.3	3182.7	3032.0	3196.0	3240.1	3323.3	3269.8		
60°	60°	2428.1	2456.7	2315.9	2475.0	2501.2	2599.7	2532.3		
65°	65°	1851.2	1881.1	1790.2	1918.5	1936.3	2040.5	1998.8		
70°	70°	1437.2	1452.1	1401.1	1502.1	1527.4	1608.7	1597.4		
75°	75°	1124.9	1131.2	1111.4	1185.3	1214.9	1286.2	1299.0		
80°	80°	860.7	855.9	853.4	903.0	939.7	989.4	1015.5		
85°	85°	612.0	595.9	594.4	613.7	634.3	656.6	694.2		

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

