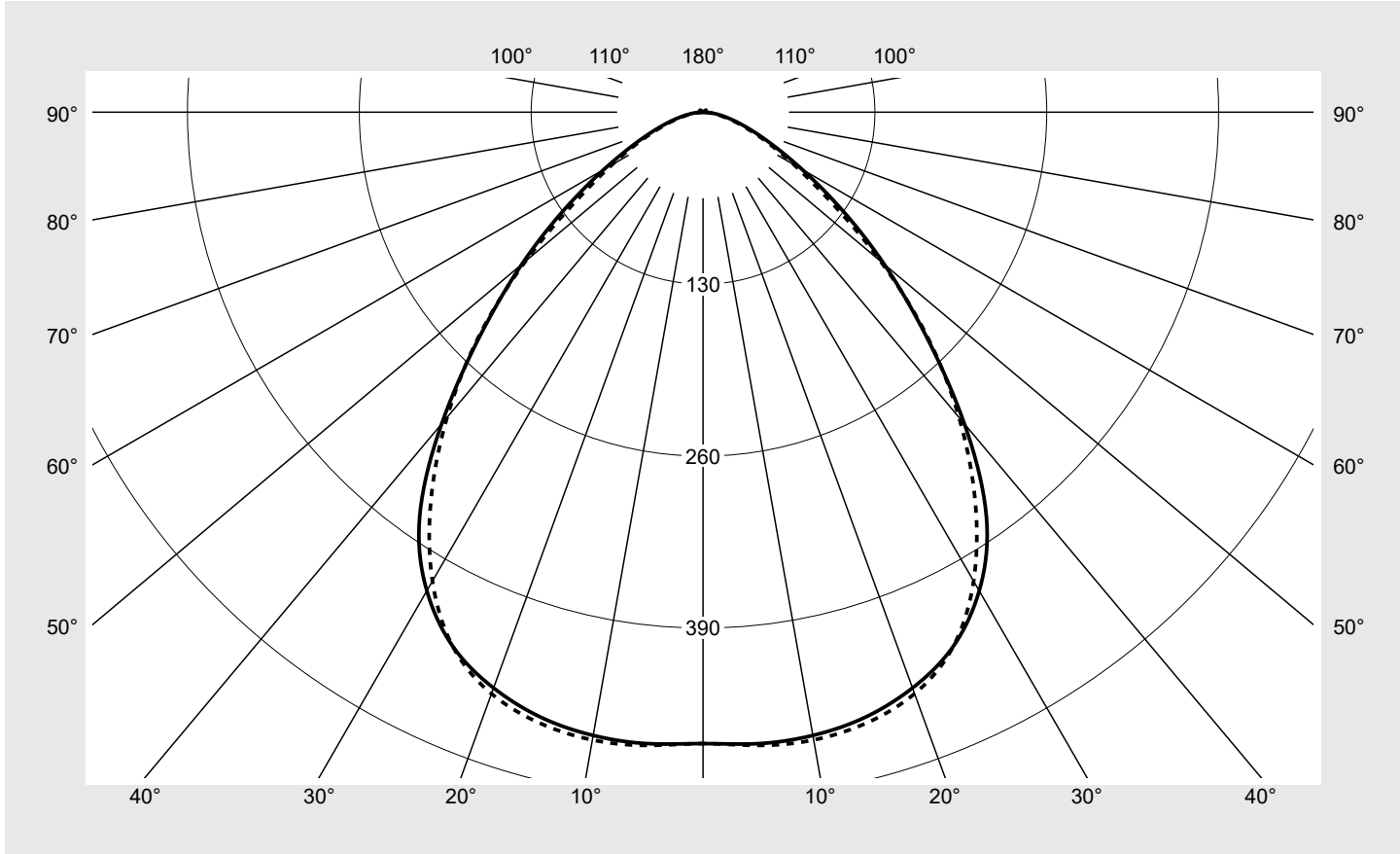


# Photometric test report

<b>Family</b> Trunking Flex 31	<b>Order number: 51RF12DB49XG52S</b> <b>EAN: 4069025603050</b>	<b>LP number</b> 59302_345
<b>Version</b>	primary light control with lens, transparent, PMMA, wide distribution	<b>serial documentation</b> 09.10.2025
<b>Lamps</b>	LED 4000 K   CRI ≥ 80	
<b>Controlgear</b>	ECG-DALI	
<b>Setting</b>	3 h	
<b>Rated values</b>	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	
$\eta_{LB}$	100.0%
$\phi_u$	99.1%
$\phi_o$	0.9%

Measurement conditions
DIN EN 13032 and DIN 5032

## Photometric test report

Family <b>Trunking Flex 31</b>	Order number: <b>51RF12DB49XG52S</b> EAN: <b>4069025603050</b>	LP number <b>59302_345</b>
<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

Family Trunking Flex 31	Order number: 51RF12DB49XG52S EAN: 4069025603050	LP number 59302_345
----------------------------	---	------------------------

UGR-Table	Standard room	siteco								
-----------	---------------	--------	--	--	--	--	--	--	--	--

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
-----------------	---------------------------------	-------------------------------	--------------------	-------------------------	----------------------------

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°		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**

<b>Family</b> Trunking Flex 31	<b>Order number: 51RF12DB49XG52S</b> <b>EAN: 4069025603050</b>	<b>LP number</b> 59302_345
-----------------------------------	---	-------------------------------

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

