

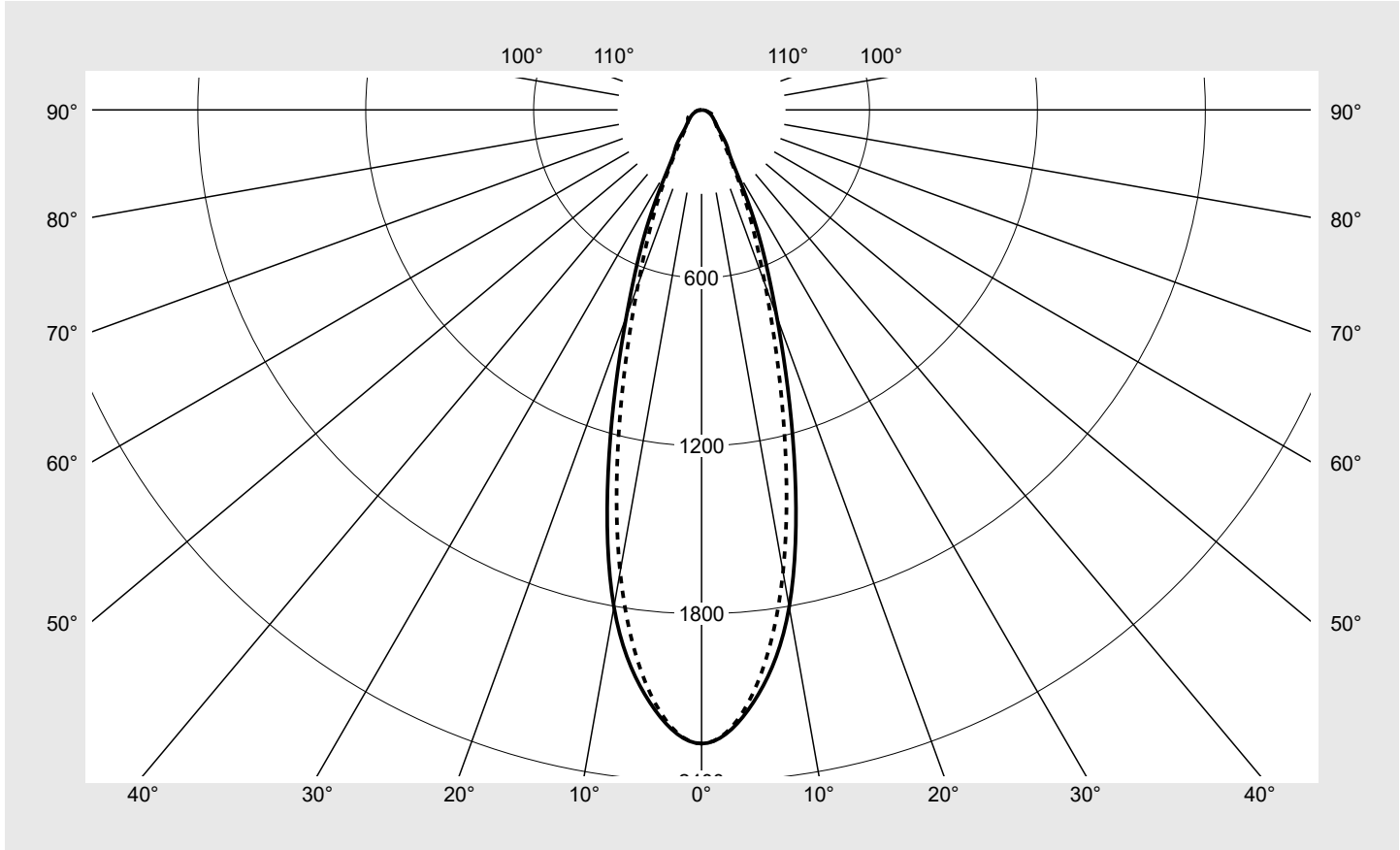


# Photometric test report

<b>Family</b> <b>Trunking Flex 31</b>	<b>Order number: 51RE11DB4CB</b> <b>EAN: 4058352909386</b>	<b>LP number</b> <b>59298_7</b>
	<b>Version</b> primary light control with lens, transparent, PMMA, narrow distribution <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 11500 lm Power consumption = 66.0 W Luminous efficacy = 174.2 lm/W	<b>serial documentation</b> <b>27.03.2024</b>
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 2264 cd/klm**



Classifications	
DIN 5040	A 7 1
CIE	N1=83 N2=93 N3=98 N4=100 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	99.6%
$\phi_o$	0.4%

**Measurement conditions**  
 DIN EN 13032 and DIN 5032

## Photometric test report

<b>Family</b> Trunking Flex 31	<b>Order number: 51RE11DB4CB</b> <b>EAN: 4058352909386</b>	<b>LP number</b> 59298_7
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>



C-planes γ	0°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	2264.0	2264.0	2264.0	2264.0	2264.0	2264.0	2264.0	13.5	13.5
5°	2124.6	2117.3	2110.0	2106.4	2102.8	2098.6	2094.4	100.7	114.2
10°	1803.1	1798.4	1793.7	1758.4	1723.0	1699.6	1676.2	166.8	281.0
15°	1276.6	1263.1	1249.6	1218.9	1188.2	1155.9	1123.7	172.0	453.0
20°	785.2	773.2	761.2	738.3	715.4	689.4	663.4	137.5	590.6
25°	464.9	459.0	453.1	430.5	408.0	399.6	391.2	99.5	690.1
30°	231.5	245.6	259.7	243.1	226.4	219.0	211.5	64.6	754.8
35°	159.7	155.6	151.5	146.8	142.0	136.2	130.5	46.0	800.7
40°	102.9	101.3	99.7	98.2	96.6	94.1	91.5	34.5	835.2
45°	75.8	74.7	73.5	74.4	75.2	73.4	71.7	28.7	863.9
50°	60.6	60.0	59.4	61.7	64.1	63.5	63.0	25.9	889.9
55°	50.2	50.1	50.0	53.9	57.9	58.8	59.6	24.4	914.2
60°	41.8	41.5	41.2	46.6	51.9	53.9	55.8	22.5	936.7
65°	33.8	33.4	32.9	37.5	42.1	45.1	48.0	19.2	955.9
70°	26.2	26.2	26.2	27.6	29.0	31.8	34.7	14.7	970.6
75°	20.4	20.2	20.1	21.5	22.8	21.7	20.6	11.2	981.8
80°	14.1	14.0	14.0	15.4	16.8	16.1	15.5	8.2	990.0
85°	7.7	7.7	7.8	9.4	11.0	10.5	10.0	5.0	995.0
90°	1.9	1.9	1.9	3.7	5.5	4.9	4.4	1.9	996.9
95°	0.0	0.0	0.0	1.4	2.7	3.0	3.2	0.8	997.7
100°	0.0	0.0	0.0	1.0	2.1	2.5	2.9	0.6	998.3
105°	0.0	0.0	0.0	1.0	1.9	2.2	2.5	0.6	998.9
110°	0.0	0.0	0.0	0.8	1.6	1.9	2.2	0.5	999.4
115°	0.0	0.0	0.0	0.7	1.3	1.5	1.8	0.4	999.7
120°	0.0	0.0	0.0	0.5	1.1	1.2	1.4	0.3	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

<b>Family</b> Trunking Flex 31	<b>Order number: 51RE11DB4CB</b> <b>EAN: 4058352909386</b>	<b>LP number</b> 59298_7
-----------------------------------	---	-----------------------------

<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
------------------	----------------------	---------------

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	17.3	18.5	17.6	18.8	19.1	18.4	19.6	18.8	19.9	20.3
	3H	18.5	19.6	18.9	19.9	20.3	20.0	21.1	20.4	21.5	21.8
	4H	19.1	20.1	19.5	20.4	20.8	20.6	21.6	21.0	21.9	22.3
	6H	19.6	20.5	20.0	20.8	21.2	21.1	22.0	21.5	22.3	22.7
	8H	19.9	20.6	20.3	21.0	21.4	21.4	22.2	21.9	22.6	23.0
	12H	20.0	20.7	20.4	21.1	21.5	21.7	22.4	22.1	22.8	23.2
4H	2H	17.9	18.9	18.3	19.3	19.7	18.9	19.9	19.3	20.2	20.6
	3H	19.3	20.1	19.7	20.5	20.9	20.6	21.5	21.1	21.9	22.3
	4H	20.0	20.7	20.4	21.1	21.6	21.3	22.0	21.7	22.5	22.9
	6H	20.6	21.2	21.1	21.7	22.1	22.0	22.6	22.4	23.0	23.5
	8H	20.9	21.4	21.3	21.9	22.4	22.3	22.9	22.8	23.3	23.8
	12H	21.1	21.5	21.6	22.0	22.5	22.7	23.1	23.2	23.6	24.1
8H	4H	20.4	20.9	20.8	21.4	21.8	21.5	22.1	22.0	22.5	23.0
	6H	21.1	21.6	21.6	22.0	22.5	22.4	22.8	22.8	23.3	23.8
	8H	21.4	21.8	21.9	22.3	22.8	22.8	23.2	23.3	23.7	24.2
	12H	21.7	22.0	22.2	22.5	23.1	23.3	23.6	23.8	24.1	24.6
12H	4H	20.4	20.9	20.9	21.4	21.9	21.6	22.0	22.1	22.5	23.0
	6H	21.2	21.6	21.8	22.1	22.6	22.4	22.8	22.9	23.3	23.8
	8H	21.6	21.9	22.1	22.4	23.0	22.9	23.2	23.4	23.7	24.3

<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° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		13033.9	12862.2	12754.5	13050.4	13405.9	13337.0	13287.3	
50°		11292.7	11206.1	11185.6	11786.5	12461.9	12632.6	12836.5	
55°		10297.3	10301.9	10379.2	11383.1	12488.6	13019.1	13611.4	
60°		9637.0	9587.8	9618.3	11087.7	12698.3	13600.3	14604.6	
65°		8961.0	8867.6	8862.5	10338.3	11980.6	13326.6	14836.5	
70°		8215.2	8260.2	8409.1	9102.5	9936.7	11466.0	13216.6	
75°		7933.4	7921.7	8036.6	8903.0	9966.8	10107.4	10332.0	
80°		7275.4	7301.9	7489.4	8668.0	10162.9	10723.0	11509.3	
85°		5965.8	6098.5	6446.5	8405.9	11055.5	12388.0	14539.1	

**Photometric test report**

<b>Family</b> Trunking Flex 31	<b>Order number: 51RE11DB4CB</b> <b>EAN: 4058352909386</b>	<b>LP number</b> 59298_7
-----------------------------------	---	-----------------------------

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

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

**siteco**

