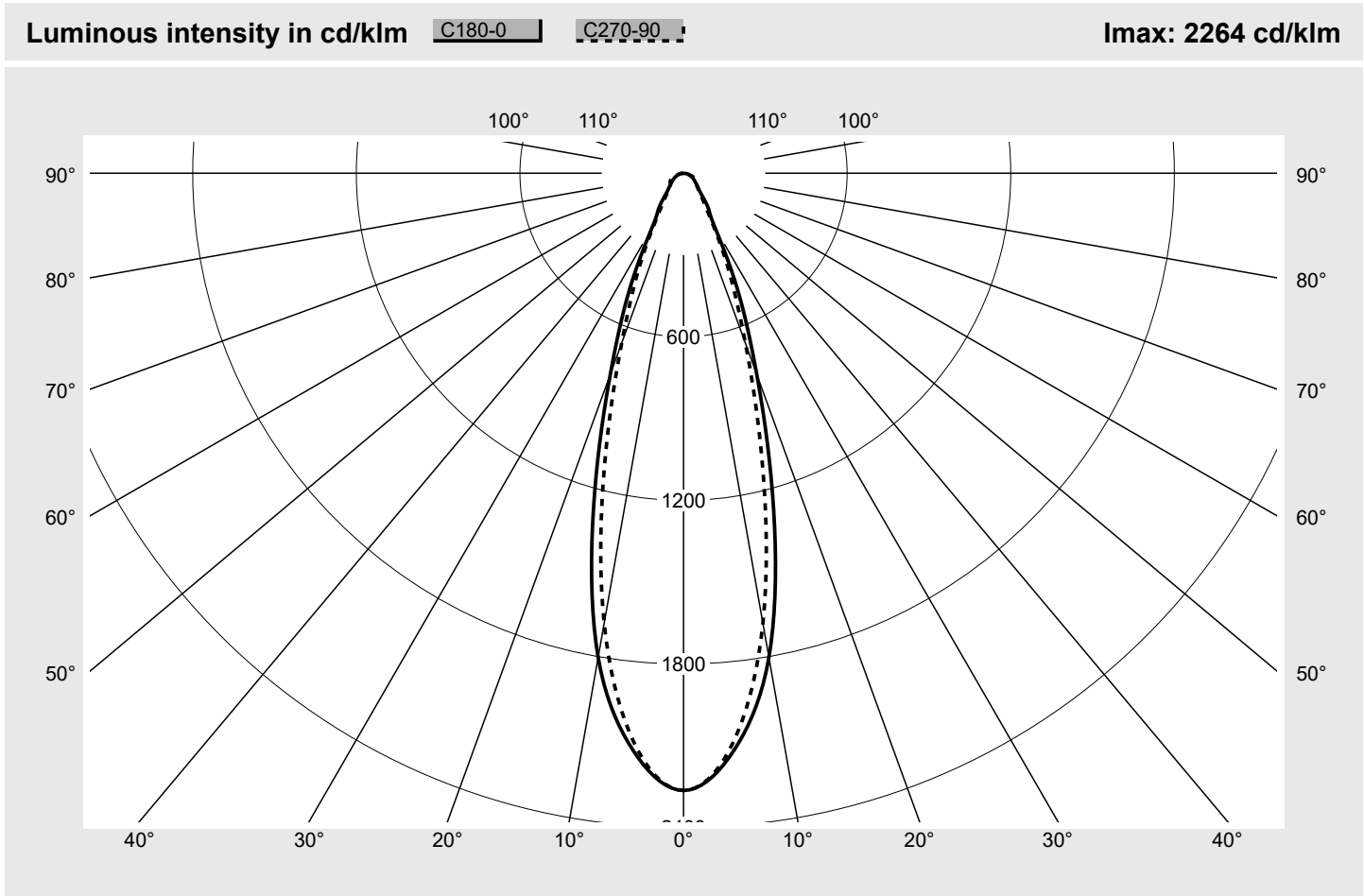


Photometric test report

Family Trunking Flex 31	Order number: 51RE11DB49B EAN: 4058352794586	LP number 59298_11
	Version	primary light control with lens, transparent, PMMA, narrow distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 8900 lm Power consumption = 53.0 W Luminous efficacy = 167.9 lm/W
		serial documentation 24.10.2024
		



Classifications		Luminaire light output ratios	
DIN 5040	A 7 1	η_{LB}	100.0%
CIE	N1=83 N2=93 N3=98	ϕ_u	99.6%
	N4=100 N5=100	ϕ_o	0.4%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Trunking Flex 31	Order number: 51RE11DB49B EAN: 4058352794586	LP number 59298_11
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C- planes	0° 180°	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
γ	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

Family Trunking Flex 31			Order number: 51RE11DB49B EAN: 4058352794586							LP number 59298_11	
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	16.4	17.6	16.7	17.9	18.2	17.5	18.7	17.9	19.0	19.4
	3H	17.6	18.7	18.0	19.0	19.4	19.2	20.2	19.5	20.6	20.9
	4H	18.2	19.2	18.6	19.5	19.9	19.7	20.7	20.1	21.0	21.4
	6H	18.7	19.6	19.1	19.9	20.3	20.2	21.1	20.6	21.5	21.8
	8H	19.0	19.7	19.4	20.1	20.5	20.5	21.3	21.0	21.7	22.1
	12H	19.1	19.8	19.5	20.2	20.6	20.8	21.5	21.2	21.9	22.3
4H	2H	17.1	18.0	17.5	18.4	18.8	18.0	19.0	18.4	19.3	19.7
	3H	18.4	19.2	18.8	19.6	20.1	19.7	20.6	20.2	21.0	21.4
	4H	19.1	19.8	19.5	20.3	20.7	20.4	21.2	20.9	21.6	22.0
	6H	19.7	20.4	20.2	20.8	21.3	21.1	21.7	21.5	22.1	22.6
	8H	20.0	20.5	20.5	21.0	21.5	21.4	22.0	21.9	22.4	22.9
	12H	20.2	20.6	20.7	21.1	21.6	21.8	22.2	22.3	22.7	23.2
8H	4H	19.5	20.0	19.9	20.5	21.0	20.6	21.2	21.1	21.6	22.1
	6H	20.2	20.7	20.7	21.1	21.7	21.5	21.9	22.0	22.4	22.9
	8H	20.5	20.9	21.0	21.4	21.9	21.9	22.3	22.4	22.8	23.3
	12H	20.8	21.1	21.3	21.6	22.2	22.4	22.7	22.9	23.2	23.8
12H	4H	19.6	20.0	20.0	20.5	21.0	20.7	21.1	21.2	21.6	22.1
	6H	20.3	20.7	20.9	21.2	21.7	21.5	21.9	22.1	22.4	22.9
	8H	20.7	21.0	21.2	21.5	22.1	22.0	22.4	22.6	22.9	23.4

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	γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
			Luminance in cd/m²					
45°		10087.1	9954.3	9870.9	10099.9	10375.0	10321.7	10283.2
50°		8739.6	8672.5	8656.7	9121.7	9644.4	9776.5	9934.4
55°		7969.2	7972.8	8032.6	8809.5	9665.1	10075.7	10534.0
60°		7458.2	7420.1	7443.7	8580.9	9827.4	10525.5	11302.7
65°		6935.0	6862.8	6858.8	8000.9	9271.9	10313.6	11482.1
70°		6357.8	6392.7	6507.9	7044.6	7690.1	8873.7	10228.5
75°		6139.8	6130.7	6219.6	6890.2	7713.4	7822.3	7996.1
80°		5630.5	5651.1	5796.2	6708.3	7865.2	8298.7	8907.2
85°		4617.0	4719.7	4989.1	6505.4	8556.0	9587.2	11252.0

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Family
Trunking Flex 31

Order number: 51RE11DB49B
EAN: 4058352794586

LP number
59298_11

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

siteco

