

Lichttechnischer Prüfbefund

Familie
Trunking Flex 31

Bestell-Nr.: 51RE14MB4CB
EAN: 4058352701447

LP-Nummer
59300_5



Ausführung primäre Lichtlenkung mit Linse, klar, PMMA, asymmetrisch strahlend

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-Multilumen

Bemessungswerte Nettolichtstrom = 11500 lm
Systemleistung = 66.0 W
Lichtausbeute = 174.2 lm/W

Seriendokumentation
27.03.2024

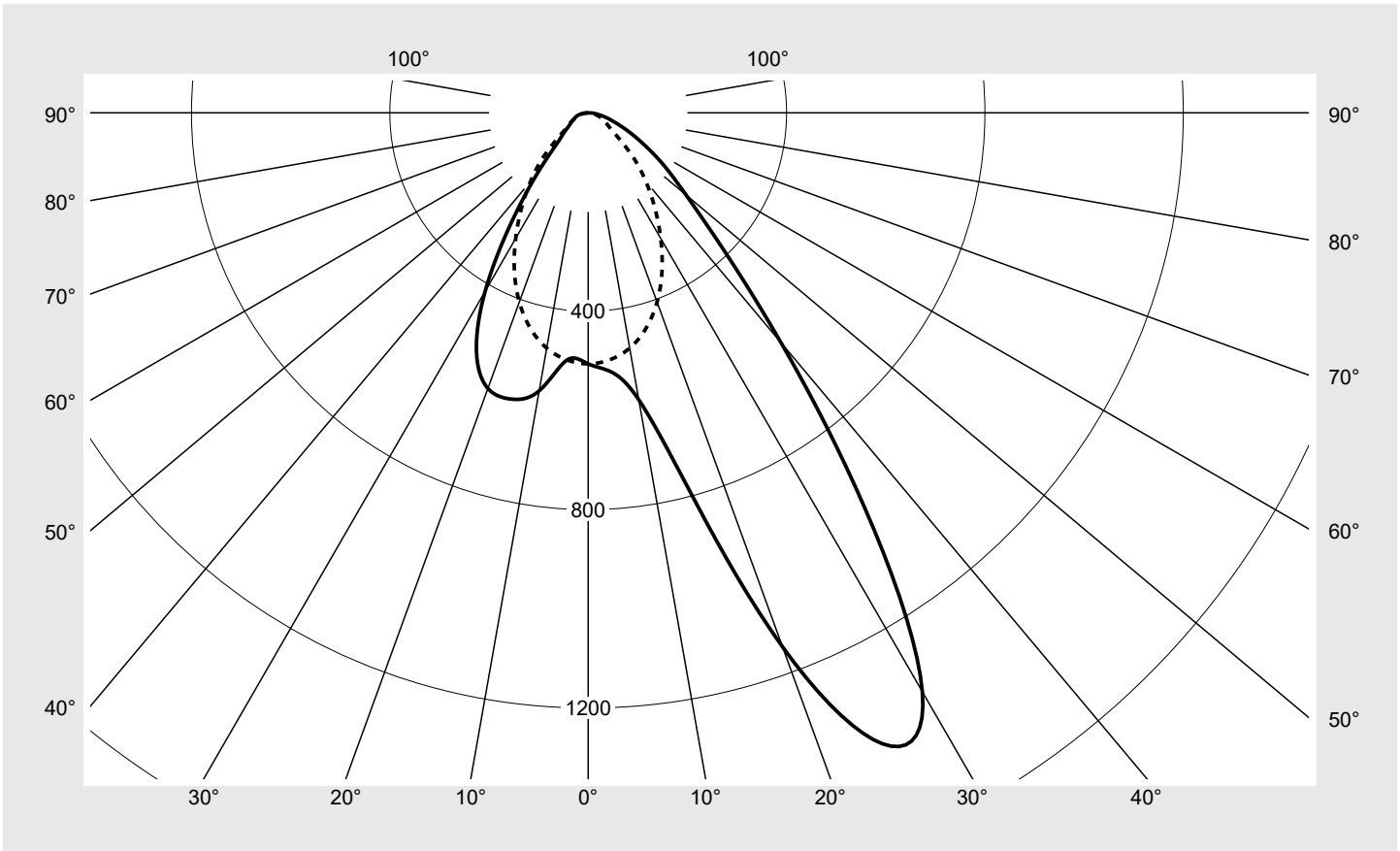
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 1404 cd/klm



Klassifizierungen

DIN 5040 A 5 1
CIE N1=72 N2=92 N3=98
N4=99 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 99,1%
 ϕ_o 0,9%

Messbedingungen

DIN EN 13032 und DIN 5032

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Familie Trunking Flex 31	Bestell-Nr.: 51RE14MB4CB EAN: 4058352701447	LP-Nummer 59300_5
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

C- Ebenen	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
γ	Lichtstärke in cd/klm						
0°	506.1	506.1	506.1	506.1	506.1	506.1	506.1
5°	524.1	520.4	516.8	512.3	507.7	503.8	499.8
10°	587.5	565.6	543.8	525.4	507.1	494.4	481.7
15°	787.7	703.1	618.5	559.3	500.0	475.0	450.0
20°	1145.9	928.3	710.7	596.9	483.1	444.5	405.9
25°	1403.6	1077.6	751.7	602.0	452.3	402.2	352.1
30°	1347.7	1022.8	697.9	553.2	408.5	350.4	292.4
35°	972.0	779.1	586.1	471.8	357.5	296.0	234.4
40°	604.8	528.0	451.3	373.5	295.7	238.4	181.2
45°	377.5	347.5	317.5	268.4	219.4	175.3	131.2
50°	257.4	236.9	216.3	180.9	145.5	113.4	81.4
55°	188.6	169.5	150.4	123.0	95.6	75.2	54.7
60°	133.1	118.1	103.2	84.3	65.5	53.9	42.3
65°	90.7	82.0	73.2	60.3	47.4	40.2	33.0
70°	59.1	53.5	48.0	41.4	34.7	30.0	25.2
75°	38.4	34.3	30.1	26.9	23.6	20.8	18.0
80°	21.6	19.6	17.6	16.2	14.8	13.0	11.2
85°	10.8	9.6	8.4	8.0	7.6	6.5	5.3
90°	5.0	4.1	3.1	3.2	3.3	2.6	1.8
95°	3.7	3.0	2.2	2.4	2.5	1.9	1.3
100°	3.9	3.2	2.6	2.5	2.3	1.8	1.2
105°	3.6	3.2	2.7	2.5	2.4	1.8	1.3
110°	3.7	3.3	2.8	2.6	2.3	1.9	1.4
115°	3.7	3.2	2.7	2.5	2.4	2.0	1.6
120°	6.8	4.8	2.8	2.6	2.3	2.1	1.9
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		sITeco

C- Ebenen	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°	Phi-Zone	Summe Phi-Zone
γ	Lichtstärke in cd/klm						Lichtstrom in lm/klm	
0°	506.1	506.1	506.1	506.1	506.1	506.1	3.0	3.0
5°	496.1	492.3	494.6	496.9	498.8	500.8	24.1	27.1
10°	476.5	471.3	496.4	521.6	545.4	569.1	49.2	76.4
15°	443.9	437.7	489.6	541.4	569.5	597.6	76.6	153.0
20°	397.3	388.6	443.6	498.7	545.0	591.4	104.8	257.8
25°	336.1	320.1	377.0	434.0	483.5	533.0	126.6	384.4
30°	272.9	253.4	308.4	363.4	389.6	415.7	132.3	516.7
35°	214.6	194.8	233.7	272.6	271.5	270.3	118.8	635.5
40°	164.3	147.4	165.9	184.5	172.1	159.6	96.4	731.9
45°	118.0	104.9	104.3	103.7	97.9	92.2	71.8	803.7
50°	71.5	61.5	63.5	65.6	65.6	65.7	51.2	855.0
55°	50.7	46.7	48.2	49.8	49.2	48.7	38.6	893.6
60°	40.0	37.7	40.0	42.4	41.3	40.2	29.9	923.4
65°	31.9	30.7	33.2	35.6	34.6	33.6	23.4	946.8
70°	25.0	24.8	27.0	29.2	28.6	27.9	17.6	964.4
75°	18.3	18.7	20.9	23.0	22.9	22.7	12.7	977.1
80°	11.7	12.2	14.2	16.3	16.1	15.9	8.2	985.3
85°	5.9	6.5	8.0	9.4	9.3	9.2	4.3	989.6
90°	2.2	2.6	3.7	4.8	4.7	4.5	1.9	991.5
95°	1.6	1.9	2.7	3.5	3.3	3.2	1.4	992.8
100°	1.5	1.8	2.6	3.4	3.3	3.3	1.3	994.2
105°	1.6	2.0	2.8	3.6	3.5	3.4	1.4	995.5
110°	1.7	2.1	3.0	4.0	4.0	4.0	1.4	997.0
115°	1.9	2.2	3.1	4.0	4.1	4.3	1.4	998.4
120°	2.2	2.4	3.3	4.2	5.8	7.4	1.6	1000.0
125°	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	1000.0
135°	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	1000.0
145°	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	1000.0
155°	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	1000.0
165°	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	1000.0
175°	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	1000.0

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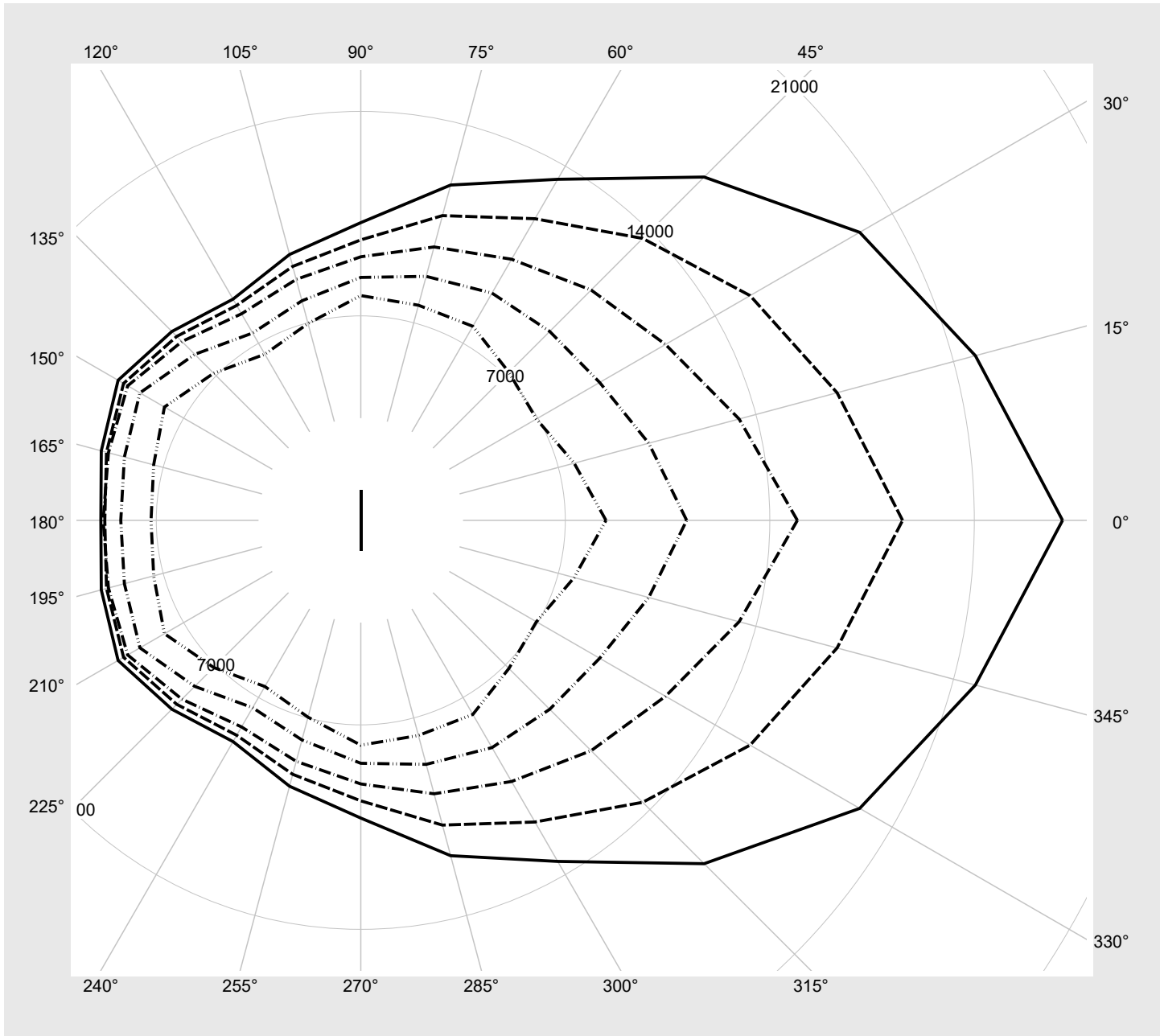
UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
Reflexionsgrad Decke		0,7	0,7	0,5	0,5	0,3	0,7	0,7	0,5	0,5	0,3
Reflexionsgrad Wände		0,5	0,3	0,5	0,3	0,3	0,5	0,3	0,5	0,3	0,3
Reflexionsgrad Boden		0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2
2H	2H	26,1	27,6	26,5	27,9	28,2	20,4	21,8	20,7	22,1	22,4
	3H	26,6	27,9	27,0	28,2	28,5	20,9	22,2	21,3	22,6	22,9
	4H	26,8	27,9	27,2	28,3	28,6	21,2	22,4	21,6	22,8	23,1
	6H	26,9	27,9	27,3	28,3	28,7	21,4	22,5	21,8	22,9	23,3
	8H	26,9	27,9	27,3	28,3	28,7	21,5	22,5	21,9	22,9	23,3
	12H	27,0	27,8	27,4	28,2	28,7	21,6	22,5	22,0	22,9	23,4
4H	2H	26,1	27,3	26,5	27,7	28,0	20,9	22,1	21,3	22,4	22,8
	3H	26,7	27,7	27,1	28,1	28,5	21,6	22,6	22,1	23,0	23,4
	4H	26,9	27,8	27,4	28,2	28,7	22,0	22,9	22,4	23,3	23,7
	6H	27,1	27,8	27,5	28,3	28,7	22,3	23,1	22,7	23,5	24,0
	8H	27,2	27,8	27,6	28,3	28,8	22,4	23,1	22,9	23,6	24,0
	12H	27,2	27,8	27,7	28,3	28,8	22,5	23,1	23,0	23,6	24,1
8H	4H	26,9	27,6	27,4	28,1	28,5	22,2	22,9	22,7	23,4	23,8
	6H	27,1	27,7	27,6	28,2	28,7	22,7	23,2	23,1	23,7	24,2
	8H	27,2	27,7	27,7	28,2	28,7	22,8	23,3	23,3	23,8	24,3
	12H	27,3	27,7	27,8	28,2	28,7	23,0	23,4	23,5	23,9	24,4
12H	4H	26,9	27,5	27,4	28,0	28,5	22,3	22,9	22,8	23,3	23,8
	6H	27,1	27,6	27,6	28,1	28,6	22,7	23,2	23,2	23,7	24,2
	8H	27,2	27,6	27,7	28,1	28,7	22,9	23,3	23,4	23,8	24,4

Leuchtdichten-Tabelle		Max. für $\gamma \geq 65^\circ$													
		Lichttechnische Abmessungen in mm:										L = 1433	H(C0) = 5	H(C180) = 5	
												B = 61	H(C90) = 5	H(C270) = 5	
C-Ebenen	γ	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°	
		Leuchtdichte in cd/m ²													
45°		64918.0	59860.4	55063.7	47096.5	39095.9	31828.0	24319.5	21429.3	18685.4	18291.8	17978.8	16871.9	15859.4	
50°		48001.6	44260.0	40745.2	34536.5	28286.6	22556.1	16594.8	14212.0	11965.4	12131.9	12347.7	12258.0	12241.6	
55°		38727.6	34888.8	31250.6	25971.9	20632.8	16655.1	12487.6	11238.2	10081.9	10186.1	10340.4	10132.7	9997.7	
60°		30659.6	27298.6	24118.7	20089.1	16006.1	13593.0	11050.8	10085.5	9210.2	9534.2	9904.1	9539.0	9257.8	
65°		24021.2	21779.3	19719.6	16620.5	13481.0	11883.8	10190.9	9422.1	8745.2	9144.4	9592.0	9195.7	8897.4	
70°		18545.4	16878.6	15387.4	13648.0	11923.2	10799.7	9601.2	9000.0	8495.0	8907.2	9376.0	9010.6	8763.0	
75°		14943.6	13407.3	12043.7	11150.2	10321.7	9689.8	9022.9	8539.8	8164.9	8657.9	9214.0	8943.1	8818.9	
80°		11154.9	10204.0	9441.3	9146.0	8982.4	8647.2	8316.2	7781.5	7404.8	8037.2	8729.0	8377.3	8215.2	
85°		8392.6	7562.0	6941.9	7169.3	7671.0	7623.9	7694.8	6975.8	6567.2	7122.0	7760.4	7339.8	7179.2	

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



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Multilumen-Tabelle

Umgebungstemperatur: 25°C



DIP-Stufe	Schalterstellung			Lichtstrom [lm]	Systemleistung [W]
	1	2	3		
7	ON	ON	ON	11500	66.0
6	OFF	ON	ON	10500	60.0
5	ON	OFF	ON	9200	52.0
4	OFF	OFF	ON	8350	47.0
3	ON	ON	OFF	6700	37.0
2	OFF	ON	OFF	5800	32.0
1	ON	OFF	OFF	4380	24.0
0	OFF	OFF	OFF	3450	19.0