

Lichttechnischer Prüfbefund

Familie
Trunking Flex 31

Bestell-Nr.: 51RE18MB1CB
EAN: 4058352811375

LP-Nummer
59334_18



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

Bestückung LED 3500 K | CRI ≥ 80

Betriebsgerät EVG-Multilumen

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

Seriendokumentation
27.03.2024

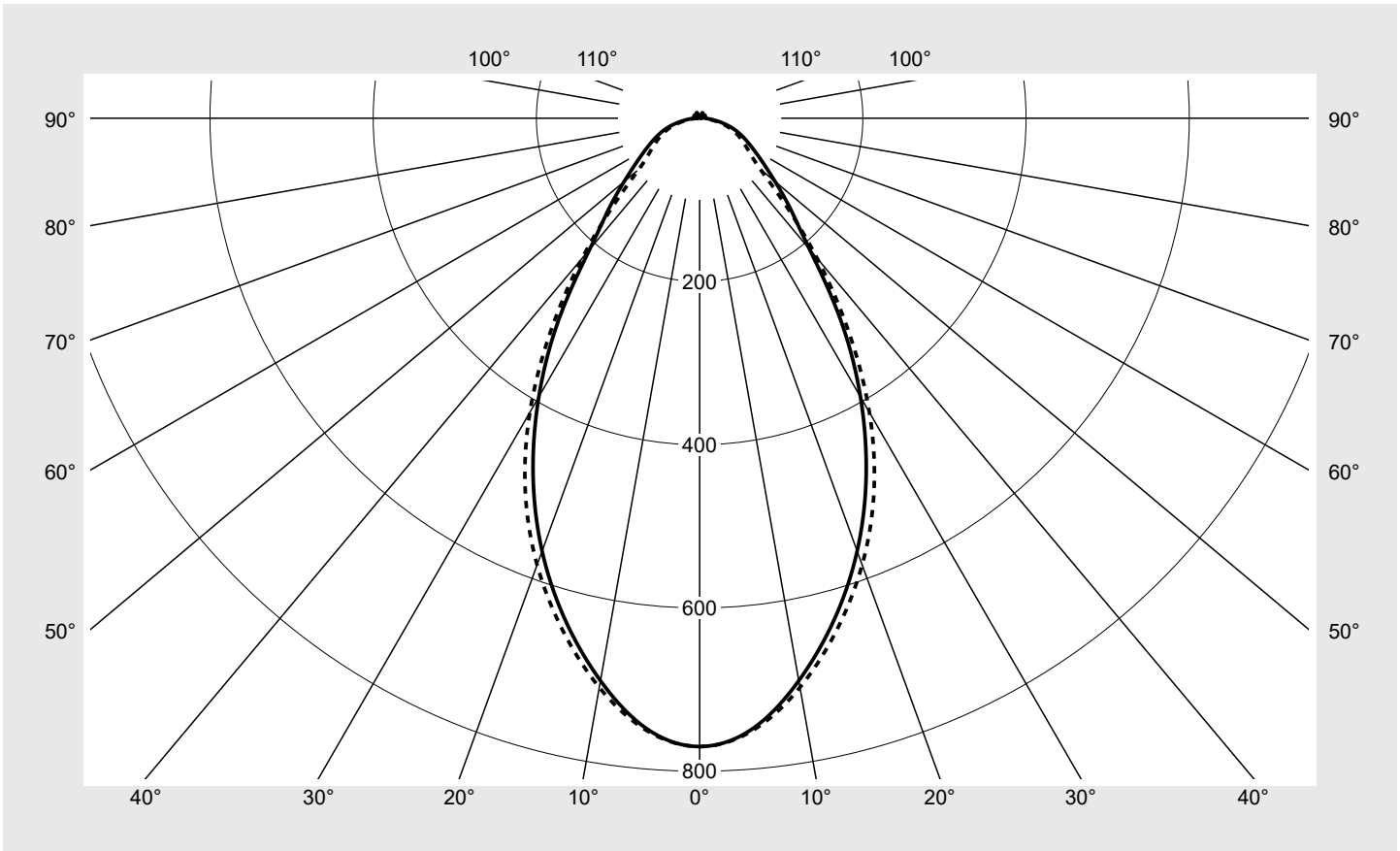
sitEco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 770 cd/klm



Klassifizierungen

DIN 5040 A 5 2
CIE N1=71 N2=89 N3=97
N4=97 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 96,8%
 ϕ_o 3,2%

Messbedingungen

DIN EN 13032 und DIN 5032

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
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C- Ebenen	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-Zone	Summe Phi-Zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
γ									
Lichtstärke in cd/klm									
Lichtstrom in lm/klm									
0°	769.8	769.8	769.8	769.8	769.8	769.8	769.8	4.6	4.6
5°	750.5	750.8	751.0	751.1	751.5	752.0	752.6	35.9	40.5
10°	699.8	700.6	701.6	702.7	704.7	706.5	708.1	66.9	107.4
15°	636.4	638.3	639.3	639.4	641.6	644.9	649.2	90.9	198.4
20°	564.4	568.9	570.3	568.4	569.0	573.7	582.3	107.0	305.4
25°	482.9	489.3	491.0	488.2	487.1	492.8	505.4	113.6	419.0
30°	394.1	398.1	399.5	398.3	397.9	403.8	416.0	109.8	528.7
35°	300.6	301.5	301.8	301.7	304.2	309.6	317.7	95.8	624.5
40°	209.5	209.2	209.1	209.3	214.0	218.8	223.9	75.0	699.5
45°	157.8	146.3	142.8	147.3	155.5	155.1	146.2	58.1	757.6
50°	120.7	109.0	105.6	110.3	116.9	112.5	96.9	46.4	804.0
55°	94.5	85.7	83.1	86.7	91.1	87.4	75.9	38.9	842.8
60°	76.1	70.2	68.5	71.0	73.3	70.8	63.5	33.5	876.4
65°	62.1	58.4	57.3	58.8	59.8	58.0	53.5	29.0	905.3
70°	49.8	47.5	46.7	47.4	47.4	46.0	43.1	24.2	929.5
75°	37.3	35.8	35.2	35.3	34.8	33.6	31.6	18.5	948.0
80°	24.2	23.4	23.0	22.8	22.2	21.1	19.5	12.1	960.0
85°	13.1	12.7	12.2	11.7	10.8	9.8	8.5	6.2	966.2
90°	6.4	6.3	6.0	5.6	4.9	4.1	3.2	2.9	969.1
95°	5.8	5.7	5.4	4.9	4.2	3.5	3.0	2.6	971.7
100°	5.9	5.7	5.6	5.5	4.4	3.6	3.0	2.6	974.3
105°	7.0	6.6	6.2	5.8	4.5	3.7	3.3	2.8	977.1
110°	6.9	7.0	6.6	5.6	4.5	3.8	3.6	2.8	980.0
115°	7.4	6.5	5.9	5.4	4.6	4.2	3.9	2.7	982.6
120°	7.2	6.5	5.8	5.4	4.8	4.4	4.3	2.6	985.2
125°	6.6	6.4	6.1	5.6	5.0	4.7	4.7	2.5	987.7
130°	6.6	6.5	6.2	5.8	5.3	5.1	5.1	2.4	990.2
135°	6.7	6.6	6.3	6.0	5.6	5.4	5.4	2.3	992.5
140°	6.9	6.8	6.5	6.1	5.9	5.8	5.8	2.2	994.7
145°	7.0	6.9	6.6	6.2	6.1	6.1	6.1	2.0	996.7
150°	6.9	6.7	6.5	6.4	6.3	6.3	6.3	1.8	998.5
155°	6.7	6.6	6.6	6.6	6.5	6.5	6.5	1.5	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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UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	21,3	22,7	21,6	23,0	23,3	21,5	22,9	21,8	23,2	23,5
	3H	22,5	23,8	22,9	24,1	24,5	22,6	23,9	23,0	24,3	24,6
	4H	23,1	24,3	23,5	24,6	25,0	23,2	24,4	23,6	24,7	25,1
	6H	23,5	24,6	24,0	25,0	25,4	23,6	24,7	24,0	25,1	25,5
	8H	23,8	24,8	24,2	25,1	25,5	23,8	24,8	24,3	25,2	25,6
	12H	23,9	24,8	24,3	25,2	25,6	23,9	24,8	24,4	25,2	25,7
4H	2H	21,8	23,0	22,2	23,3	23,7	21,9	23,1	22,3	23,5	23,9
	3H	23,2	24,2	23,6	24,6	25,0	23,4	24,4	23,8	24,8	25,2
	4H	23,9	24,8	24,4	25,2	25,7	24,1	25,0	24,5	25,4	25,8
	6H	24,5	25,3	25,0	25,7	26,2	24,6	25,4	25,1	25,8	26,3
	8H	24,7	25,4	25,2	25,9	26,4	24,8	25,5	25,3	26,0	26,5
	12H	24,9	25,5	25,4	26,0	26,5	25,0	25,6	25,5	26,0	26,5
8H	4H	24,2	24,9	24,7	25,4	25,9	24,3	25,1	24,8	25,5	26,0
	6H	24,9	25,5	25,4	26,0	26,5	25,0	25,6	25,5	26,1	26,6
	8H	25,2	25,7	25,7	26,2	26,7	25,3	25,8	25,8	26,3	26,8
	12H	25,5	25,9	26,0	26,4	26,9	25,5	25,9	26,0	26,4	27,0
12H	4H	24,3	24,9	24,8	25,3	25,8	24,4	25,0	24,9	25,5	26,0
	6H	25,0	25,5	25,5	26,0	26,5	25,1	25,6	25,6	26,1	26,6
	8H	25,3	25,8	25,9	26,3	26,8	25,4	25,8	25,9	26,3	26,9

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1433, B = 61	H(C0) = 5, H(C90) = 5	H(C180) = 5, H(C270) = 5
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C-Ebenen	γ	Leuchtdichte 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°		27133.1	25198.2	24766.7	25851.1	27704.5	28158.2	27099.7	
50°		22507.1	20373.7	19886.6	21065.7	22740.3	22360.4	19748.0	
55°		19410.5	17636.6	17264.6	18315.6	19650.3	19375.8	17322.2	
60°		17525.7	16226.4	16017.0	16916.7	17926.8	17874.8	16615.8	
65°		16439.6	15519.3	15439.4	16217.0	16997.4	17141.2	16525.7	
70°		15624.1	14963.5	14965.5	15646.5	16279.7	16577.8	16435.6	
75°		14508.8	14019.7	14058.6	14641.4	15202.5	15634.0	15844.5	
80°		12508.9	12205.7	12319.0	12868.9	13446.1	14003.7	14458.7	
85°		10243.5	10013.1	10072.4	10432.6	10867.7	11513.7	12387.8	

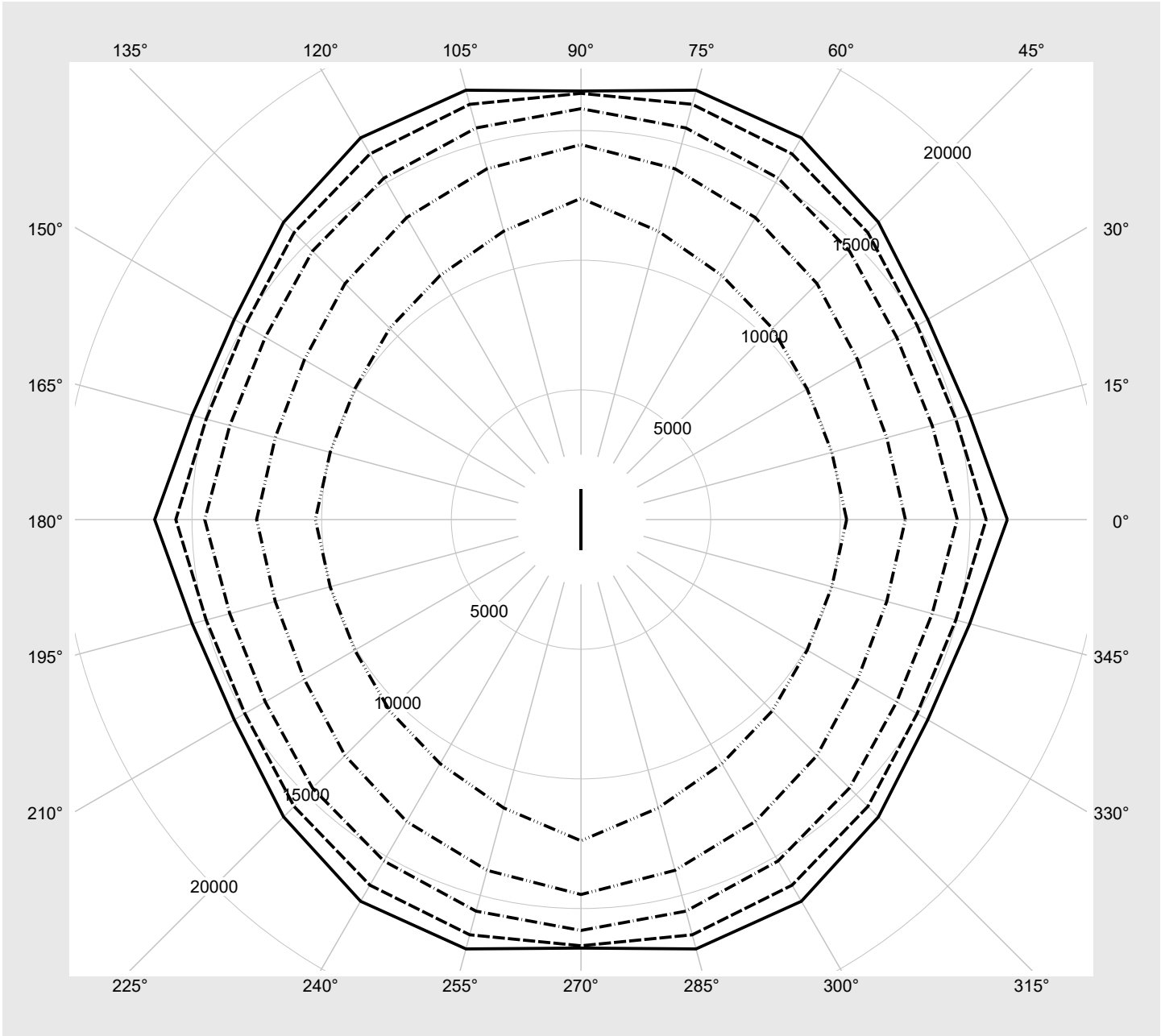
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Leuchtdichten in cd/m²

γ 65°
γ 70°
γ 75°
γ 80°
γ 85°

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Multilumen-Tabelle

Umgebungstemperatur: 25°C

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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