

## Lichttechnischer Prüfbefund

**Familie**  
**Trunking Flex 31**

**Bestell-Nr.: 51RE12MB5CB**  
**EAN: 4058352807224**

**LP-Nummer**  
**59302\_65**



**Ausführung** primäre Lichtlenkung mit Linse, klar, PMMA, breit strahlend

**Bestückung** LED 5000 K | CRI ≥ 80

**Betriebsgerät** EVG-Multilumen

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

**Seriendokumentation**  
27.03.2024

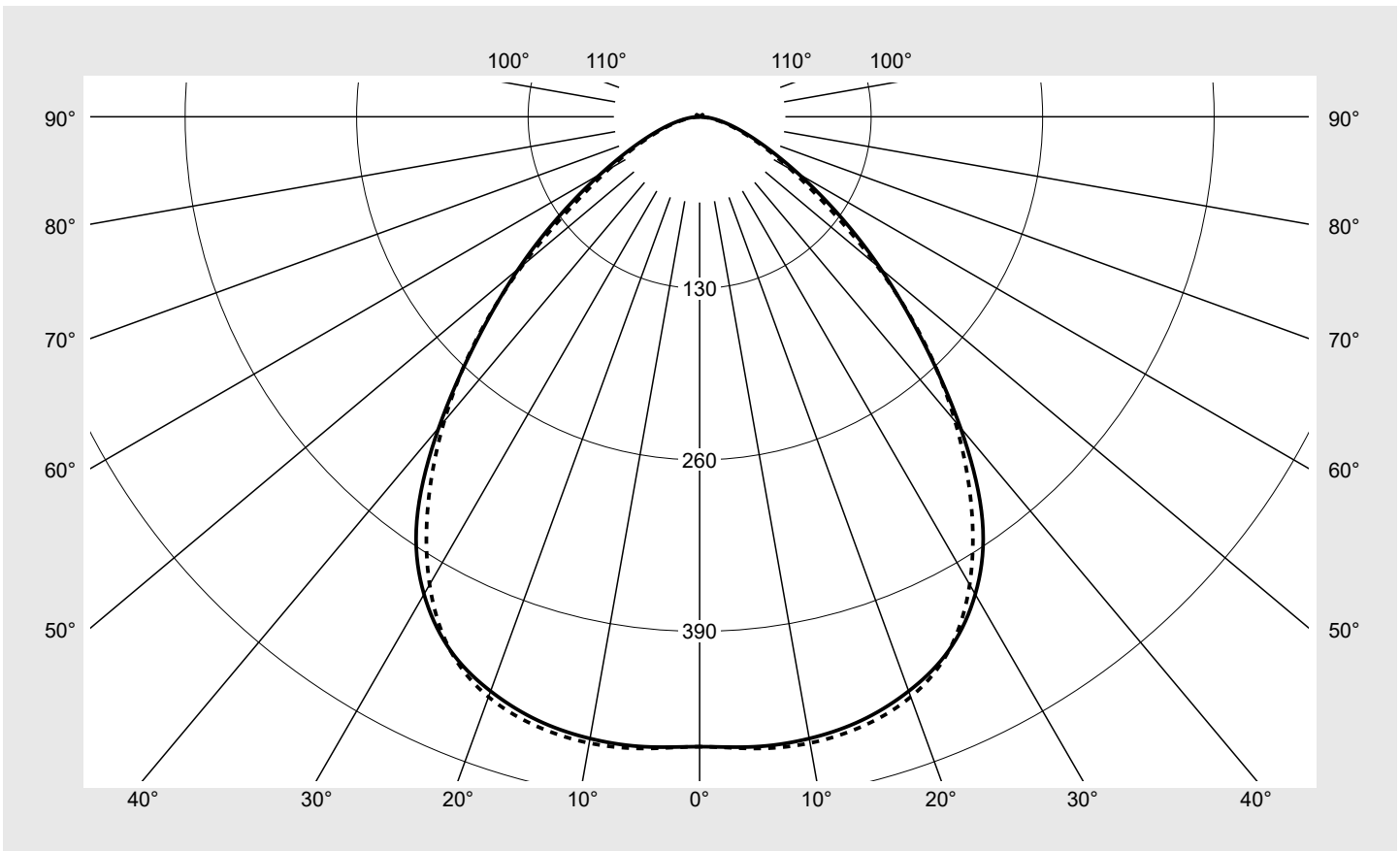
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**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 482 cd/klm**



**Klassifizierungen**

DIN 5040 A 5 2  
CIE N1=64 N2=91 N3=98  
N4=99 N5=100

**Leuchtenbetriebswirkungsgrade**

$\eta_{LB}$  100,0%  
 $\phi_u$  99,1%  
 $\phi_o$  0,9%

**Messbedingungen**

DIN EN 13032 und DIN 5032

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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>sITeco</b>

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°			
Lichtstärke in cd/klm								Lichtstrom in lm/klm	
γ									
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

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UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	23,3	24,8	23,6	25,1	25,4	23,3	24,8	23,7	25,1	25,5
	3H	23,7	25,1	24,1	25,4	25,8	23,8	25,2	24,2	25,5	25,8
	4H	23,9	25,1	24,3	25,5	25,9	24,0	25,2	24,4	25,6	25,9
	6H	24,0	25,1	24,4	25,5	25,9	24,1	25,2	24,5	25,6	26,0
	8H	24,1	25,1	24,5	25,5	25,9	24,1	25,2	24,6	25,6	26,0
	12H	24,1	25,0	24,5	25,4	25,8	24,1	25,1	24,6	25,5	25,9
4H	2H	23,5	24,8	23,9	25,1	25,5	23,6	24,8	24,0	25,2	25,6
	3H	24,1	25,1	24,5	25,5	25,9	24,2	25,2	24,6	25,6	26,0
	4H	24,3	25,2	24,8	25,7	26,1	24,4	25,4	24,9	25,8	26,2
	6H	24,5	25,3	24,9	25,7	26,2	24,6	25,4	25,0	25,8	26,3
	8H	24,5	25,2	25,0	25,7	26,2	24,6	25,3	25,1	25,8	26,3
	12H	24,6	25,2	25,1	25,7	26,1	24,7	25,3	25,1	25,7	26,2
8H	4H	24,4	25,1	24,9	25,6	26,0	24,5	25,2	25,0	25,7	26,1
	6H	24,6	25,2	25,1	25,7	26,2	24,7	25,3	25,2	25,8	26,3
	8H	24,7	25,2	25,2	25,7	26,2	24,7	25,3	25,2	25,8	26,3
	12H	24,7	25,1	25,2	25,6	26,2	24,8	25,2	25,3	25,7	26,3
12H	4H	24,4	25,0	24,9	25,5	26,0	24,5	25,1	25,0	25,6	26,1
	6H	24,6	25,1	25,1	25,6	26,1	24,7	25,2	25,2	25,7	26,2
	8H	24,7	25,1	25,2	25,6	26,2	24,8	25,2	25,3	25,7	26,2

<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1433 B = 61	H(C0) = 5	H(C90) = 5	H(C180) = 5	H(C270) = 5
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C-Ebenen	$\gamma$	Leuchtdichte 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°		40920.7	40006.0	41830.5	40233.9	41415.7	41181.8	44481.3	
50°		33382.2	32773.0	33040.6	32880.6	33759.6	34011.7	35722.3	
55°		26205.5	26142.2	24911.1	26265.0	26632.6	27320.7	26883.4	
60°		19938.1	20180.0	19029.6	20343.3	20563.3	21377.4	20824.7	
65°		15200.8	15452.6	14712.1	15772.0	15923.6	16784.0	16443.5	
70°		11801.1	11930.2	11516.9	12352.6	12565.6	13238.7	13148.4	
75°		9237.0	9295.0	9137.6	9751.2	10000.0	10592.1	10700.8	
80°		7067.5	7034.7	7020.1	7434.0	7742.5	8158.5	8379.4	
85°		5025.1	4899.7	4894.5	5060.5	5238.5	5432.2	5755.5	

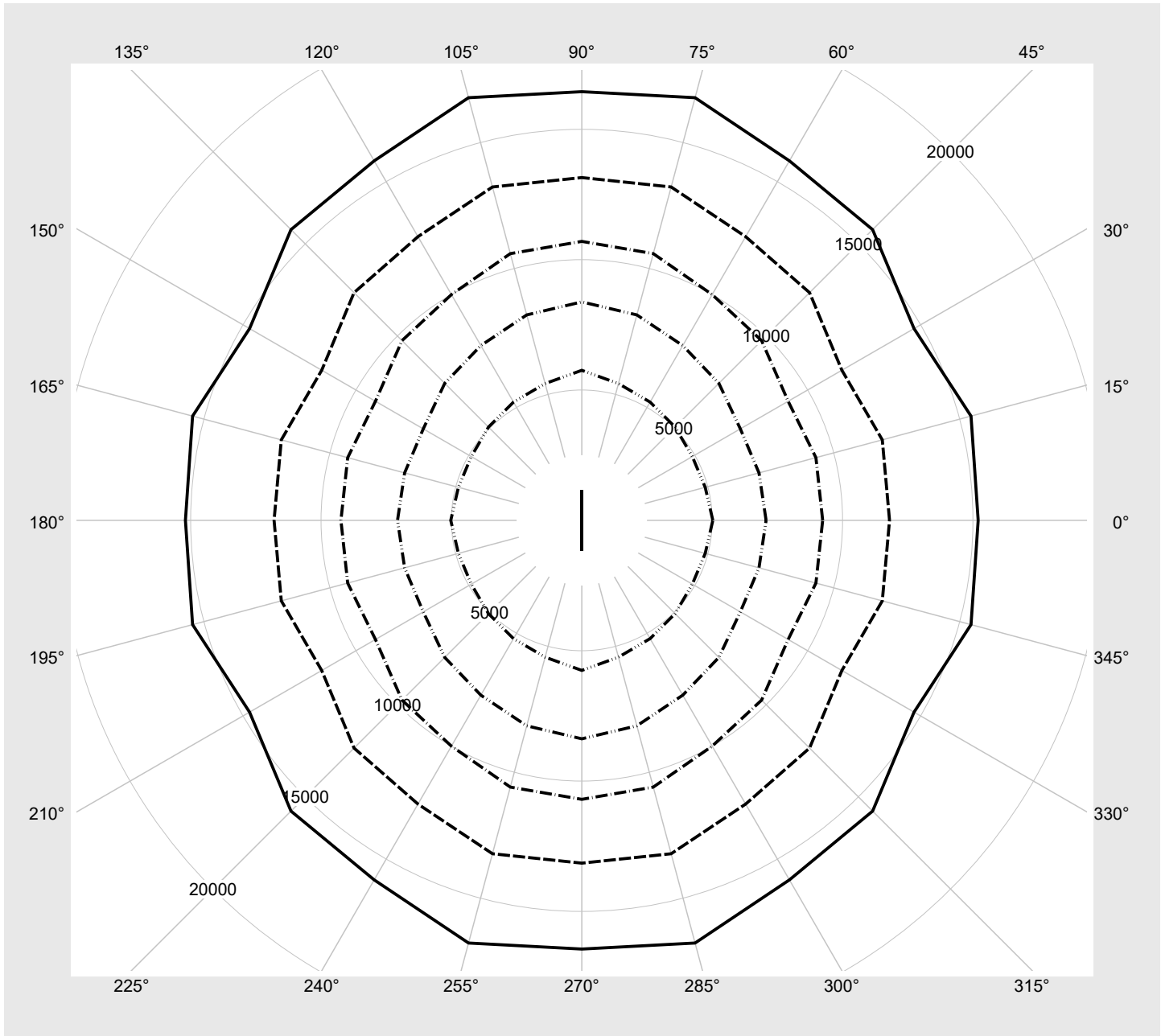
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**Leuchtdichten in cd/m<sup>2</sup>**

γ 65°
γ 70°
γ 75°
γ 80°
γ 85°

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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