

## Lichttechnischer Prüfbefund

**Familie**  
Trunking Flex 31

**Bestell-Nr.:** 51RE12MB18B  
**EAN:** 4058352577417

**LP-Nummer**  
59302\_61



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

**Bestückung** LED 3500 K | CRI ≥ 80

**Betriebsgerät** EVG-Multilumen

**Bemessungswerte** Nettolichtstrom = 8000 lm  
Systemleistung = 50.0 W  
Lichtausbeute = 160 lm/W

**Seriendokumentation**  
27.03.2024

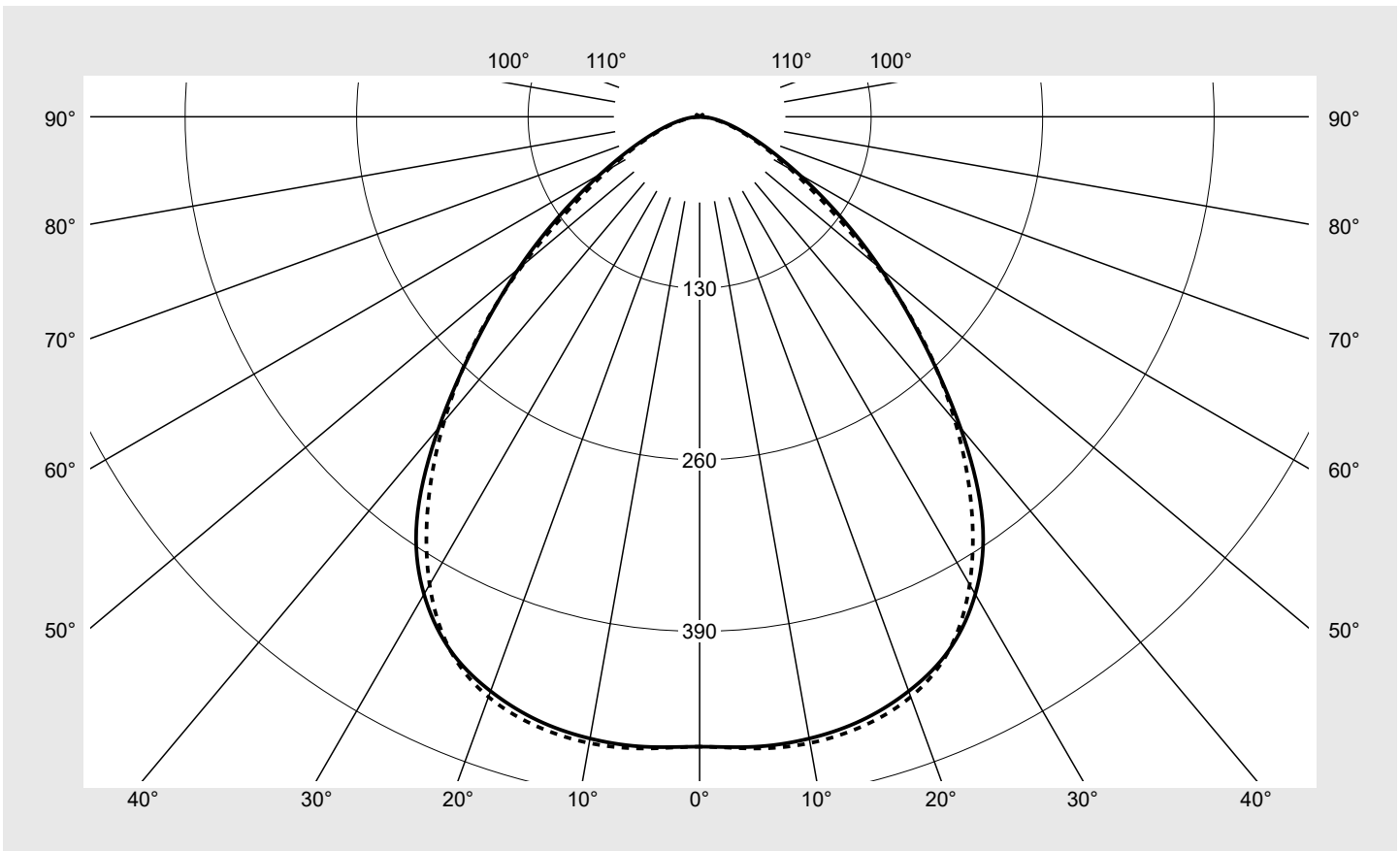
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Lichtstärke in cd/klm

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>
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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°			
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									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	22,0	23,5	22,4	23,8	24,1	22,1	23,6	22,4	23,9	24,2
	3H	22,5	23,8	22,9	24,1	24,5	22,6	23,9	22,9	24,2	24,6
	4H	22,6	23,9	23,0	24,2	24,6	22,7	24,0	23,1	24,3	24,7
	6H	22,7	23,9	23,1	24,2	24,6	22,8	23,9	23,2	24,3	24,7
	8H	22,8	23,8	23,2	24,2	24,6	22,9	23,9	23,3	24,3	24,7
	12H	22,8	23,8	23,2	24,2	24,6	22,9	23,8	23,3	24,2	24,7
4H	2H	22,3	23,5	22,7	23,9	24,2	22,3	23,6	22,7	23,9	24,3
	3H	22,8	23,9	23,3	24,3	24,7	22,9	24,0	23,4	24,4	24,8
	4H	23,1	24,0	23,5	24,4	24,8	23,2	24,1	23,6	24,5	24,9
	6H	23,2	24,0	23,7	24,4	24,9	23,3	24,1	23,8	24,5	25,0
	8H	23,3	24,0	23,7	24,4	24,9	23,4	24,1	23,8	24,5	25,0
	12H	23,3	23,9	23,8	24,4	24,9	23,4	24,0	23,9	24,5	25,0
8H	4H	23,1	23,9	23,6	24,3	24,8	23,2	23,9	23,7	24,4	24,9
	6H	23,3	23,9	23,8	24,4	24,9	23,4	24,0	23,9	24,5	25,0
	8H	23,4	23,9	23,9	24,4	24,9	23,5	24,0	24,0	24,5	25,0
	12H	23,5	23,9	24,0	24,4	24,9	23,5	24,0	24,1	24,5	25,0
12H	4H	23,1	23,8	23,6	24,2	24,7	23,2	23,9	23,7	24,3	24,8
	6H	23,3	23,8	23,9	24,3	24,9	23,4	23,9	24,0	24,4	25,0
	8H	23,4	23,9	23,9	24,4	24,9	23,5	23,9	24,0	24,4	25,0

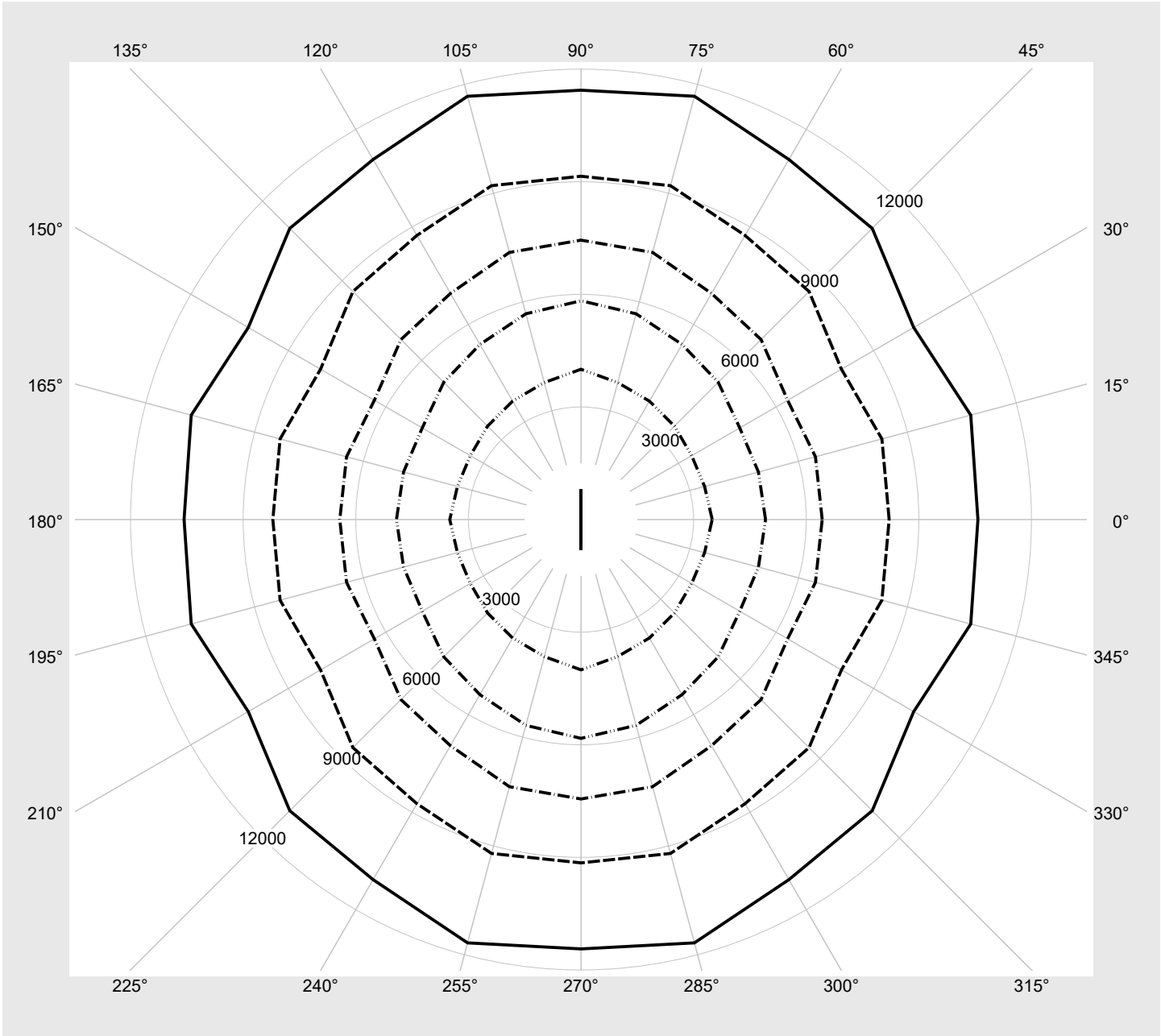
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1433, B = 61	H(C0) = 5, H(C90) = 5	H(C180) = 5, H(C270) = 5
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		28466.6	27830.2	29099.5	27988.8	28810.9	28648.2	30943.5	
50°		23222.4	22798.6	22984.8	22873.5	23485.0	23660.3	24850.3	
55°		18229.9	18185.9	17329.4	18271.3	18527.0	19005.7	18701.5	
60°		13870.0	14038.3	13238.0	14151.8	14304.9	14871.3	14486.8	
65°		10574.4	10749.6	10234.5	10971.8	11077.3	11675.8	11439.0	
70°		8209.5	8299.2	8011.8	8593.1	8741.3	9209.5	9146.7	
75°		6425.7	6466.1	6356.6	6783.5	6956.5	7368.4	7444.0	
80°		4916.5	4893.7	4883.6	5171.5	5386.1	5675.5	5829.1	
85°		3495.7	3408.5	3404.8	3520.4	3644.2	3778.9	4003.8	

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**Leuchtdichten in cd/m<sup>2</sup>**      γ 65°    γ 70°    γ 75°    γ 80°    γ 85°      **siteco**



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### Multilumen-Tabelle

Umgebungstemperatur: 25°C

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DIP-Stufe	Schalterstellung		Lichtstrom [lm]	Systemleistung [W]
	1	2		
3	ON	ON	8000	50.0
2	ON	OFF	6850	42.0
1	OFF	ON	5610	34.0
0	OFF	OFF	4130	25.0