

## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 51RE11MB48B**  
**EAN: 4058352586570**

**LP-Nummer**  
**59298\_9**



**Ausführung** primäre Lichtlenkung mit Linse, klar, PMMA, eng strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-Multilumen  
**Bemessungswerte** Nettolichtstrom = 8000 lm  
 Systemleistung = 50.0 W  
 Lichtausbeute = 160 lm/W

**Seriendokumentation**  
27.03.2024

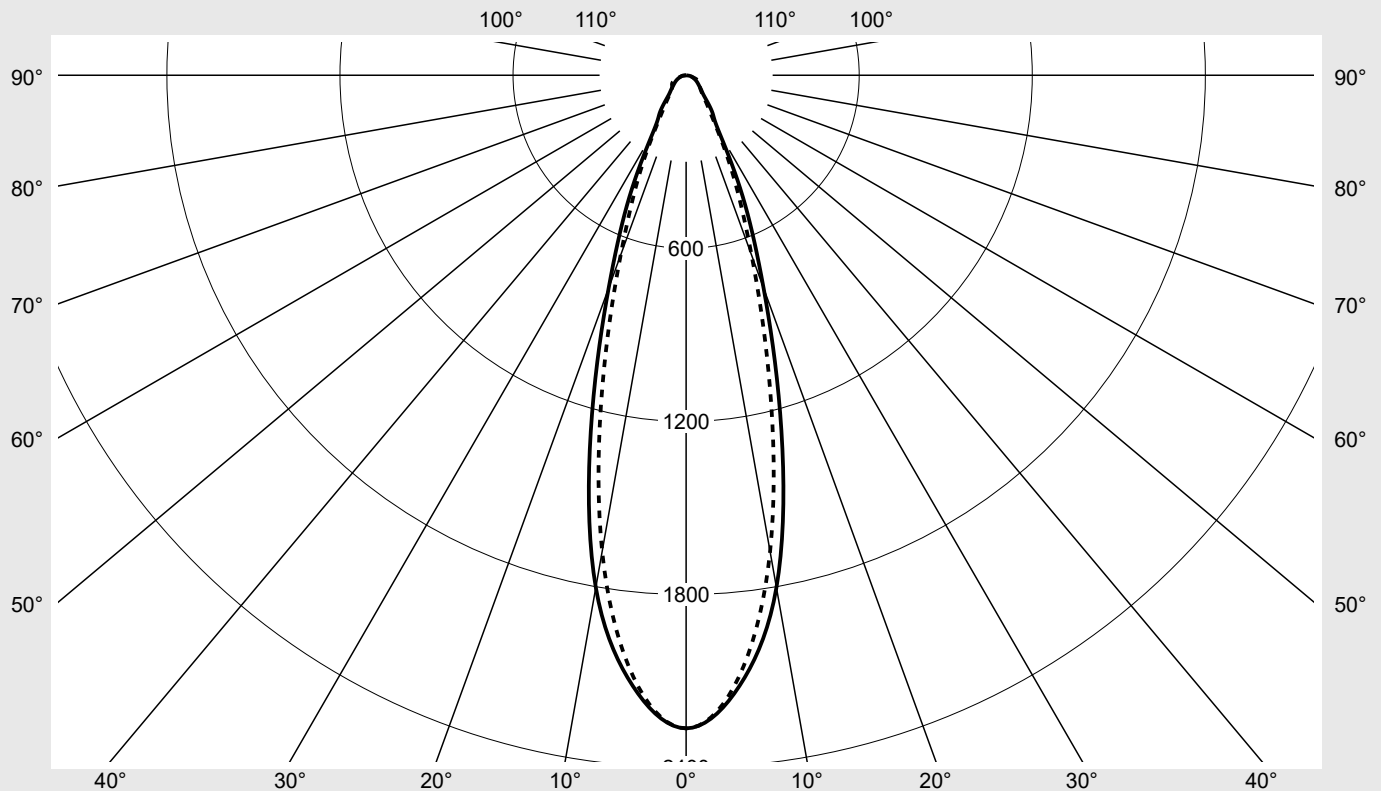
**sITeco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 2264 cd/klm**



**Klassifizierungen**

DIN 5040 A 7 1  
 CIE N1=83 N2=93 N3=98  
 N4=100 N5=100

**Leuchtenbetriebswirkungsgrade**

$\eta_{LB}$  100,0%  
 $\phi_u$  99,6%  
 $\phi_o$  0,4%

**Messbedingungen**

DIN EN 13032 und DIN 5032

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**sitEco**

<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									
γ	Lichtstärke in cd/klm							Lichtstrom 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

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UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	16,0	17,2	16,4	17,5	17,9	17,1	18,4	17,5	18,7	19,0
	3H	17,2	18,3	17,6	18,6	19,0	18,8	19,9	19,2	20,2	20,6
	4H	17,8	18,8	18,2	19,2	19,5	19,3	20,3	19,7	20,7	21,0
	6H	18,3	19,2	18,7	19,6	20,0	19,8	20,7	20,3	21,1	21,5
	8H	18,6	19,3	19,0	19,7	20,1	20,2	20,9	20,6	21,3	21,7
	12H	18,7	19,4	19,2	19,8	20,2	20,4	21,1	20,8	21,5	21,9
4H	2H	16,7	17,7	17,1	18,0	18,4	17,6	18,6	18,0	19,0	19,3
	3H	18,0	18,9	18,5	19,3	19,7	19,4	20,2	19,8	20,6	21,0
	4H	18,7	19,5	19,2	19,9	20,3	20,0	20,8	20,5	21,2	21,6
	6H	19,4	20,0	19,8	20,4	20,9	20,7	21,3	21,2	21,8	22,2
	8H	19,6	20,2	20,1	20,6	21,1	21,0	21,6	21,5	22,0	22,5
	12H	19,8	20,3	20,3	20,7	21,2	21,4	21,9	21,9	22,3	22,8
8H	4H	19,1	19,7	19,6	20,1	20,6	20,3	20,8	20,7	21,3	21,8
	6H	19,8	20,3	20,3	20,8	21,3	21,1	21,5	21,6	22,0	22,5
	8H	20,1	20,6	20,6	21,0	21,6	21,5	21,9	22,0	22,4	23,0
	12H	20,4	20,7	20,9	21,2	21,8	22,0	22,3	22,5	22,8	23,4
12H	4H	19,2	19,6	19,7	20,1	20,6	20,3	20,8	20,8	21,2	21,7
	6H	20,0	20,3	20,5	20,8	21,4	21,2	21,5	21,7	22,0	22,6
	8H	20,3	20,6	20,9	21,2	21,7	21,7	22,0	22,2	22,5	23,0

<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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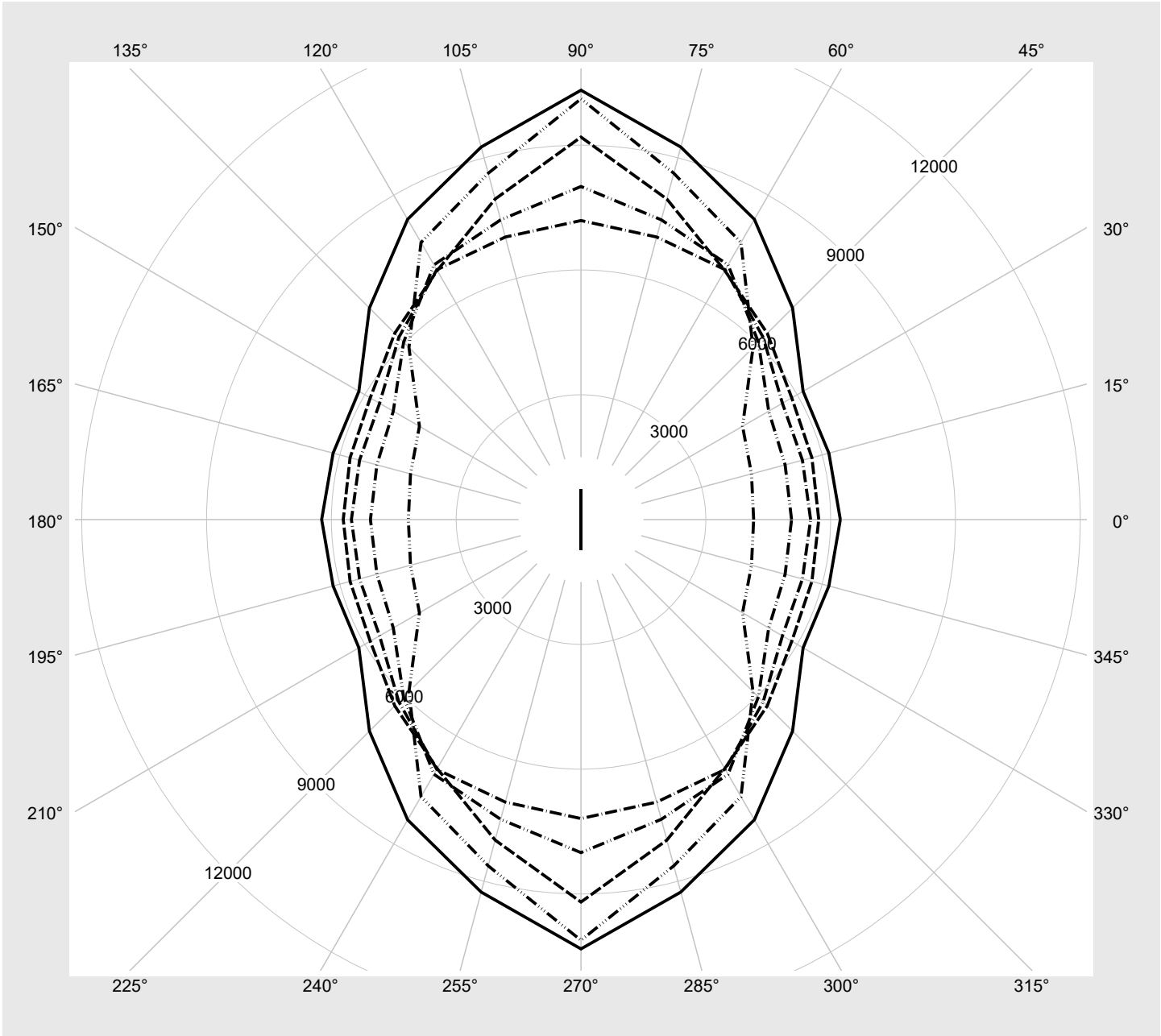
C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		9067.1	8947.6	8872.7	9078.5	9325.9	9277.9	9243.4	
50°		7855.8	7795.5	7781.3	8199.3	8669.2	8787.9	8929.8	
55°		7163.4	7166.5	7220.3	7918.6	8687.7	9056.8	9468.8	
60°		6704.0	6669.8	6691.0	7713.2	8833.6	9461.1	10159.7	
65°		6233.7	6168.8	6165.2	7191.8	8334.3	9270.7	10321.0	
70°		5714.9	5746.2	5849.8	6332.2	6912.5	7976.3	9194.1	
75°		5518.9	5510.8	5590.7	6193.4	6933.4	7031.3	7187.5	
80°		5061.2	5079.6	5210.1	6029.9	7069.8	7459.5	8006.5	
85°		4150.1	4242.4	4484.5	5847.6	7690.8	8617.7	10114.1	

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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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<b>Multilumen-Tabelle</b>	Umgebungstemperatur: 25°C	<b>sITeco</b>
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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