

## Lichttechnischer Prüfbefund

**Familie**  
Trunking Flex 31

**Bestell-Nr.:** 51RE11DB49B  
**EAN:** 4058352794586

**LP-Nummer**  
59298\_6



**Ausführung** primäre Lichtlenkung mit Linse, klar, PMMA, eng strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-DALI  
**Bemessungswerte** Nettolichtstrom = 8900 lm  
 Systemleistung = 56.0 W  
 Lichtausbeute = 158.9 lm/W

**Seriendokumentation**  
27.03.2024

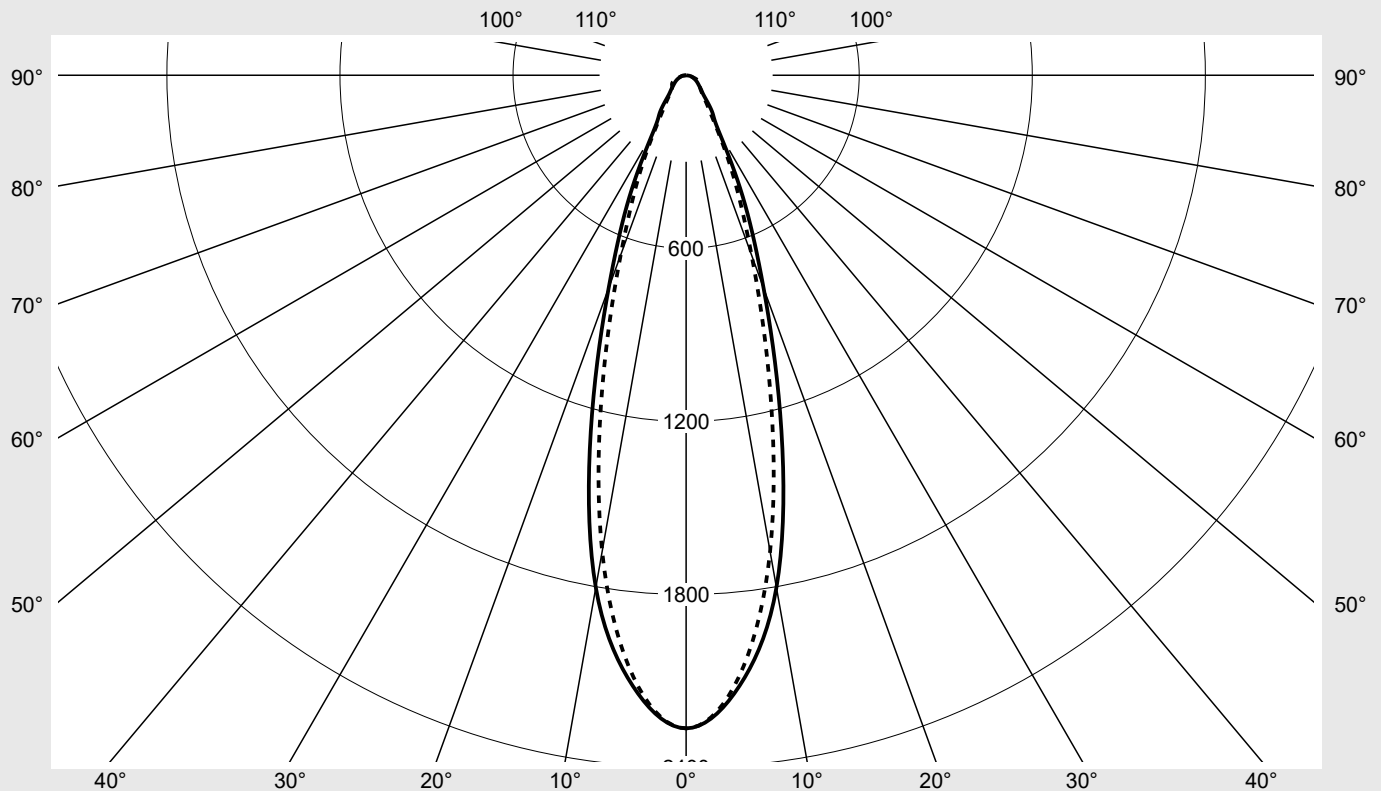
siteco

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

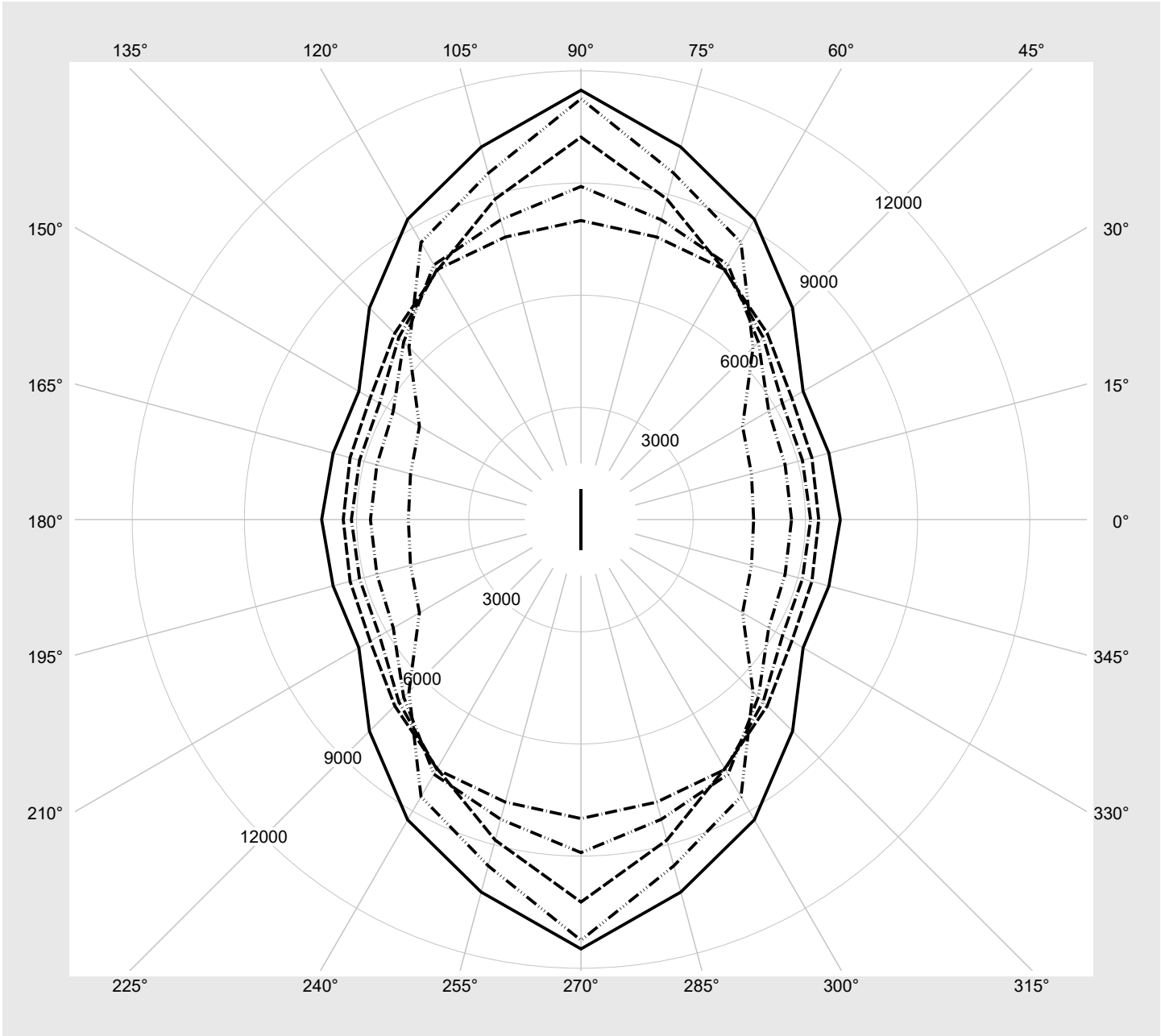
<b>Leuchtdichten-Tabelle</b>	Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm:	L = 1433 B = 61	H(C0) = 5 H(C90) = 5	H(C180) = 5 H(C270) = 5
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		10087.1	9954.3	9870.9	10099.9	10375.0	10321.7	10283.2	
50°		8739.6	8672.5	8656.7	9121.7	9644.4	9776.5	9934.4	
55°		7969.2	7972.8	8032.6	8809.5	9665.1	10075.7	10534.0	
60°		7458.2	7420.1	7443.7	8580.9	9827.4	10525.5	11302.7	
65°		6935.0	6862.8	6858.8	8000.9	9271.9	10313.6	11482.1	
70°		6357.8	6392.7	6507.9	7044.6	7690.1	8873.7	10228.5	
75°		6139.8	6130.7	6219.6	6890.2	7713.4	7822.3	7996.1	
80°		5630.5	5651.1	5796.2	6708.3	7865.2	8298.7	8907.2	
85°		4617.0	4719.7	4989.1	6505.4	8556.0	9587.2	11252.0	

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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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<b>Multilumen-Tabelle</b>	Umgebungstemperatur: 25°C	<b>sITeco</b>
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DIP-Stufe	Schalterstellung				Lichtstrom [lm]	Systemleistung [W]
	1	2	3	4		
2	OFF	ON	OFF	OFF	8900	56.0
3	ON	ON	OFF	OFF	8500	54.0
4	OFF	OFF	ON	OFF	8200	52.0
5	ON	OFF	ON	OFF	8000	50.0
6	OFF	ON	ON	OFF	7700	48.0
7	ON	ON	ON	OFF	7400	46.0
8	OFF	OFF	OFF	ON	7100	44.0
9	ON	OFF	OFF	ON	6800	42.0
10	OFF	ON	OFF	ON	6500	40.0
11	ON	ON	OFF	ON	6100	38.0
12	OFF	OFF	ON	ON	5800	36.0
13	ON	OFF	ON	ON	5500	34.0
14	OFF	ON	ON	ON	5200	32.0
15	ON	ON	ON	ON	4900	30.0