

## Lichttechnischer Prüfbefund

**Familie**  
Trunking Flex 31

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

**LP-Nummer**  
59298\_11



**Ausführung** primäre Lichtlenkung mit Linse, klar, PMMA, eng strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-DALI  
**Bemessungswerte** Nettolichtstrom = 8900 lm  
 Systemleistung = 53.0 W  
 Lichtausbeute = 167.9 lm/W

**Seriendokumentation**  
24.10.2024

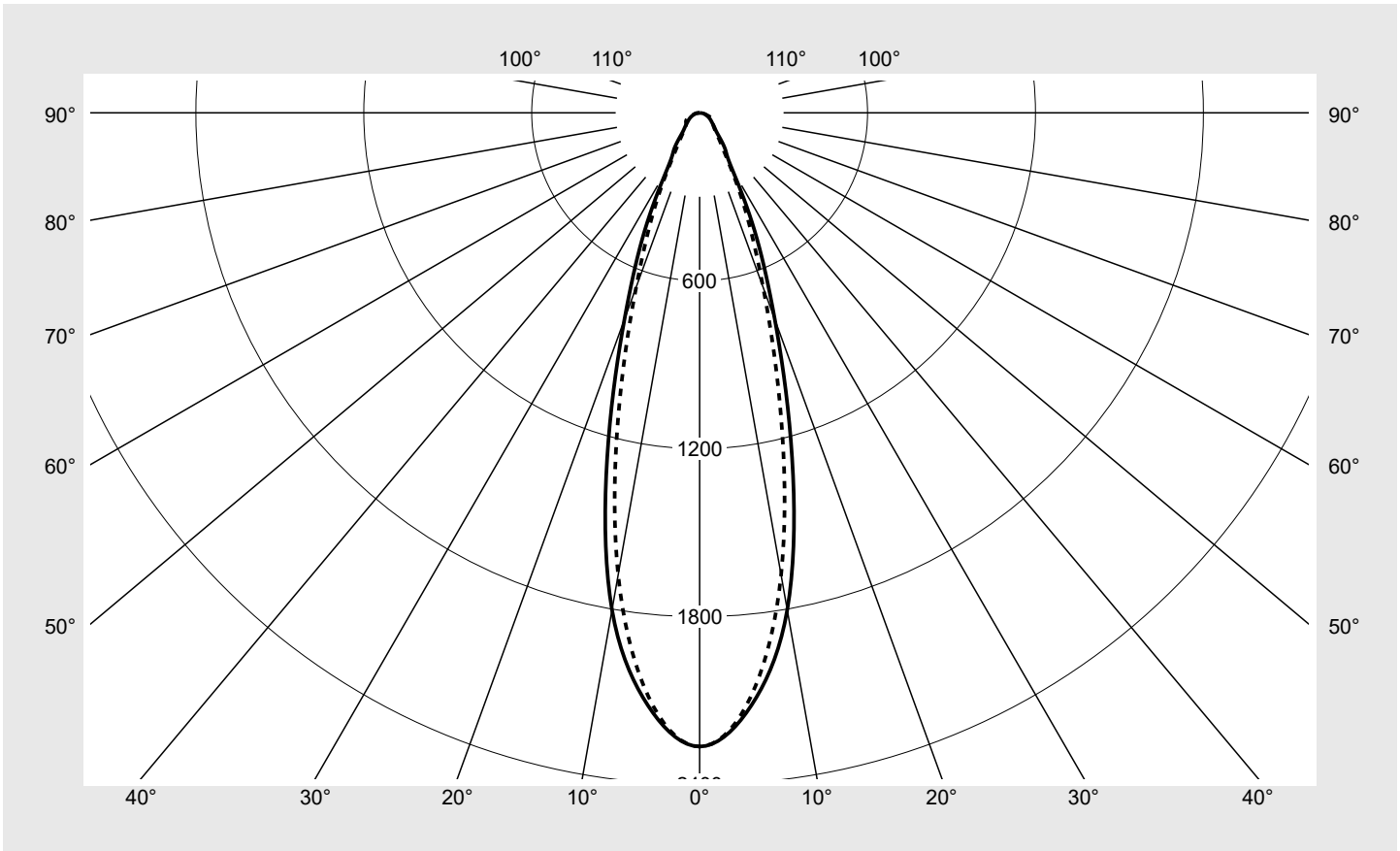
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Lichtstärke in cd/klm

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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UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
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 $\gamma \geq 65^\circ$	<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°		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>**

$\gamma$ 65°	$\gamma$ 70°	$\gamma$ 75°	$\gamma$ 80°	$\gamma$ 85°
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