

Lichttechnischer Prüfbefund

Familie
Trunking Flex 31

Bestell-Nr.: 51RE14MA66B
EAN: 4058352581957

LP-Nummer
59300_4



Ausführung primäre Lichtlenkung mit Linse, klar, PMMA, asymmetrisch strahlend

Bestückung LED 6500 K | CRI ≥ 80

Betriebsgerät EVG-Multilumen

Bemessungswerte Nettolichtstrom = 6400 lm
Systemleistung = 40.0 W
Lichtausbeute = 160 lm/W

Seriendokumentation
27.03.2024

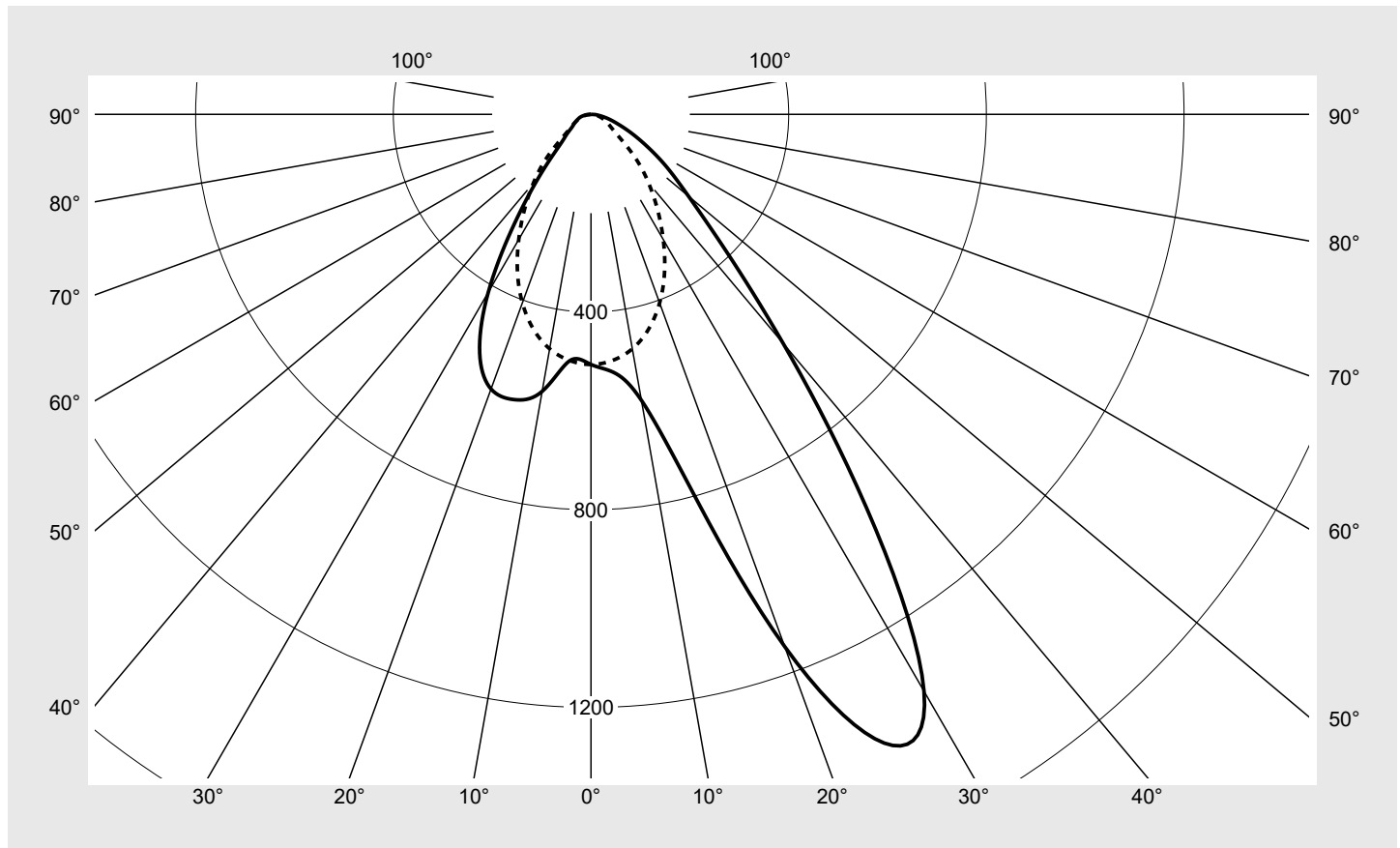
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 1404 cd/klm



Klassifizierungen

DIN 5040 A 5 1
CIE N1=72 N2=92 N3=98
N4=99 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 99,1%
 ϕ_o 0,9%

Messbedingungen

DIN EN 13032 und DIN 5032

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

C- Ebenen	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
γ	Lichtstärke in cd/klm						
0°	506.1	506.1	506.1	506.1	506.1	506.1	506.1
5°	524.1	520.4	516.8	512.3	507.7	503.8	499.8
10°	587.5	565.6	543.8	525.4	507.1	494.4	481.7
15°	787.7	703.1	618.5	559.3	500.0	475.0	450.0
20°	1145.9	928.3	710.7	596.9	483.1	444.5	405.9
25°	1403.6	1077.6	751.7	602.0	452.3	402.2	352.1
30°	1347.7	1022.8	697.9	553.2	408.5	350.4	292.4
35°	972.0	779.1	586.1	471.8	357.5	296.0	234.4
40°	604.8	528.0	451.3	373.5	295.7	238.4	181.2
45°	377.5	347.5	317.5	268.4	219.4	175.3	131.2
50°	257.4	236.9	216.3	180.9	145.5	113.4	81.4
55°	188.6	169.5	150.4	123.0	95.6	75.2	54.7
60°	133.1	118.1	103.2	84.3	65.5	53.9	42.3
65°	90.7	82.0	73.2	60.3	47.4	40.2	33.0
70°	59.1	53.5	48.0	41.4	34.7	30.0	25.2
75°	38.4	34.3	30.1	26.9	23.6	20.8	18.0
80°	21.6	19.6	17.6	16.2	14.8	13.0	11.2
85°	10.8	9.6	8.4	8.0	7.6	6.5	5.3
90°	5.0	4.1	3.1	3.2	3.3	2.6	1.8
95°	3.7	3.0	2.2	2.4	2.5	1.9	1.3
100°	3.9	3.2	2.6	2.5	2.3	1.8	1.2
105°	3.6	3.2	2.7	2.5	2.4	1.8	1.3
110°	3.7	3.3	2.8	2.6	2.3	1.9	1.4
115°	3.7	3.2	2.7	2.5	2.4	2.0	1.6
120°	6.8	4.8	2.8	2.6	2.3	2.1	1.9
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		sITeco

C- Ebenen	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°	Phi-Zone	Summe Phi-Zone
γ	Lichtstärke in cd/klm						Lichtstrom in lm/klm	
0°	506.1	506.1	506.1	506.1	506.1	506.1	3.0	3.0
5°	496.1	492.3	494.6	496.9	498.8	500.8	24.1	27.1
10°	476.5	471.3	496.4	521.6	545.4	569.1	49.2	76.4
15°	443.9	437.7	489.6	541.4	569.5	597.6	76.6	153.0
20°	397.3	388.6	443.6	498.7	545.0	591.4	104.8	257.8
25°	336.1	320.1	377.0	434.0	483.5	533.0	126.6	384.4
30°	272.9	253.4	308.4	363.4	389.6	415.7	132.3	516.7
35°	214.6	194.8	233.7	272.6	271.5	270.3	118.8	635.5
40°	164.3	147.4	165.9	184.5	172.1	159.6	96.4	731.9
45°	118.0	104.9	104.3	103.7	97.9	92.2	71.8	803.7
50°	71.5	61.5	63.5	65.6	65.6	65.7	51.2	855.0
55°	50.7	46.7	48.2	49.8	49.2	48.7	38.6	893.6
60°	40.0	37.7	40.0	42.4	41.3	40.2	29.9	923.4
65°	31.9	30.7	33.2	35.6	34.6	33.6	23.4	946.8
70°	25.0	24.8	27.0	29.2	28.6	27.9	17.6	964.4
75°	18.3	18.7	20.9	23.0	22.9	22.7	12.7	977.1
80°	11.7	12.2	14.2	16.3	16.1	15.9	8.2	985.3
85°	5.9	6.5	8.0	9.4	9.3	9.2	4.3	989.6
90°	2.2	2.6	3.7	4.8	4.7	4.5	1.9	991.5
95°	1.6	1.9	2.7	3.5	3.3	3.2	1.4	992.8
100°	1.5	1.8	2.6	3.4	3.3	3.3	1.3	994.2
105°	1.6	2.0	2.8	3.6	3.5	3.4	1.4	995.5
110°	1.7	2.1	3.0	4.0	4.0	4.0	1.4	997.0
115°	1.9	2.2	3.1	4.0	4.1	4.3	1.4	998.4
120°	2.2	2.4	3.3	4.2	5.8	7.4	1.6	1000.0
125°	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	1000.0
135°	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	1000.0
145°	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	1000.0
155°	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	1000.0
165°	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	1000.0
175°	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	1000.0

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UGR-Tabelle	Standardraum	siteco								
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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	24,8	26,3	25,2	26,6	26,9	19,1	20,5	19,5	20,8	21,2
	3H	25,3	26,6	25,7	26,9	27,3	19,7	21,0	20,0	21,3	21,6
	4H	25,5	26,7	25,9	27,0	27,4	19,9	21,1	20,3	21,5	21,9
	6H	25,6	26,7	26,0	27,0	27,4	20,1	21,3	20,5	21,6	22,0
	8H	25,7	26,6	26,1	27,0	27,4	20,2	21,3	20,6	21,7	22,1
	12H	25,7	26,6	26,2	27,0	27,4	20,3	21,3	20,7	21,7	22,1
4H	2H	24,8	26,1	25,2	26,4	26,8	19,6	20,8	20,0	21,2	21,5
	3H	25,4	26,4	25,9	26,8	27,2	20,4	21,4	20,8	21,7	22,2
	4H	25,7	26,5	26,1	27,0	27,4	20,7	21,6	21,2	22,0	22,5
	6H	25,8	26,6	26,3	27,0	27,5	21,0	21,8	21,5	22,2	22,7
	8H	25,9	26,6	26,4	27,0	27,5	21,1	21,9	21,6	22,3	22,8
	12H	26,0	26,5	26,4	27,0	27,5	21,2	21,9	21,7	22,3	22,8
8H	4H	25,6	26,3	26,1	26,8	27,3	21,0	21,7	21,5	22,1	22,6
	6H	25,8	26,4	26,3	26,9	27,4	21,4	22,0	21,9	22,4	22,9
	8H	25,9	26,4	26,4	26,9	27,4	21,6	22,1	22,1	22,5	23,1
	12H	26,0	26,4	26,5	26,9	27,5	21,7	22,1	22,2	22,6	23,2
12H	4H	25,6	26,3	26,1	26,7	27,2	21,0	21,6	21,5	22,1	22,6
	6H	25,8	26,3	26,3	26,8	27,4	21,5	21,9	22,0	22,4	22,9
	8H	25,9	26,4	26,4	26,9	27,4	21,7	22,1	22,2	22,6	23,1

Leuchtdichten-Tabelle	Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm:	L = 1146	H(C0) = 5	H(C180) = 5
			B = 61	H(C90) = 5	H(C270) = 5

C-Ebenen	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°
γ	Leuchtdichte in cd/m ²												
45°	45176.1	41647.8	38303.0	32755.1	27186.9	22130.7	16909.1	14900.3	12993.7	12721.8	12506.3	11738.6	11036.4
50°	33404.1	30792.8	28340.8	24017.3	19667.7	15681.3	11536.3	9880.4	8319.6	8436.7	8588.6	8528.2	8518.9
55°	26950.3	24271.9	21734.8	18059.1	14343.7	11576.7	8679.3	7811.5	7008.8	7082.7	7191.8	7049.3	6957.4
60°	21335.9	18990.4	16772.8	13966.4	11125.0	9446.1	7678.6	7008.7	6401.5	6628.4	6887.6	6635.9	6442.4
65°	16716.2	15149.9	13711.7	11552.6	9367.5	8255.7	7078.6	6545.5	6076.7	6356.1	6669.6	6396.6	6191.7
70°	12905.7	11739.7	10697.3	9483.8	8282.0	7499.2	6665.6	6249.5	5900.7	6189.5	6518.2	6267.2	6098.1
75°	10399.2	9324.0	8370.4	7744.8	7165.5	6723.7	6258.8	5925.7	5668.2	6013.7	6403.7	6219.4	6137.1
80°	7762.6	7094.6	6558.7	6348.1	6229.4	5992.4	5759.2	5392.4	5135.3	5578.5	6063.8	5824.6	5716.9
85°	5840.4	5255.3	4817.7	4968.4	5307.7	5265.8	5303.9	4818.2	4544.0	4935.6	5385.7	5100.8	4996.0

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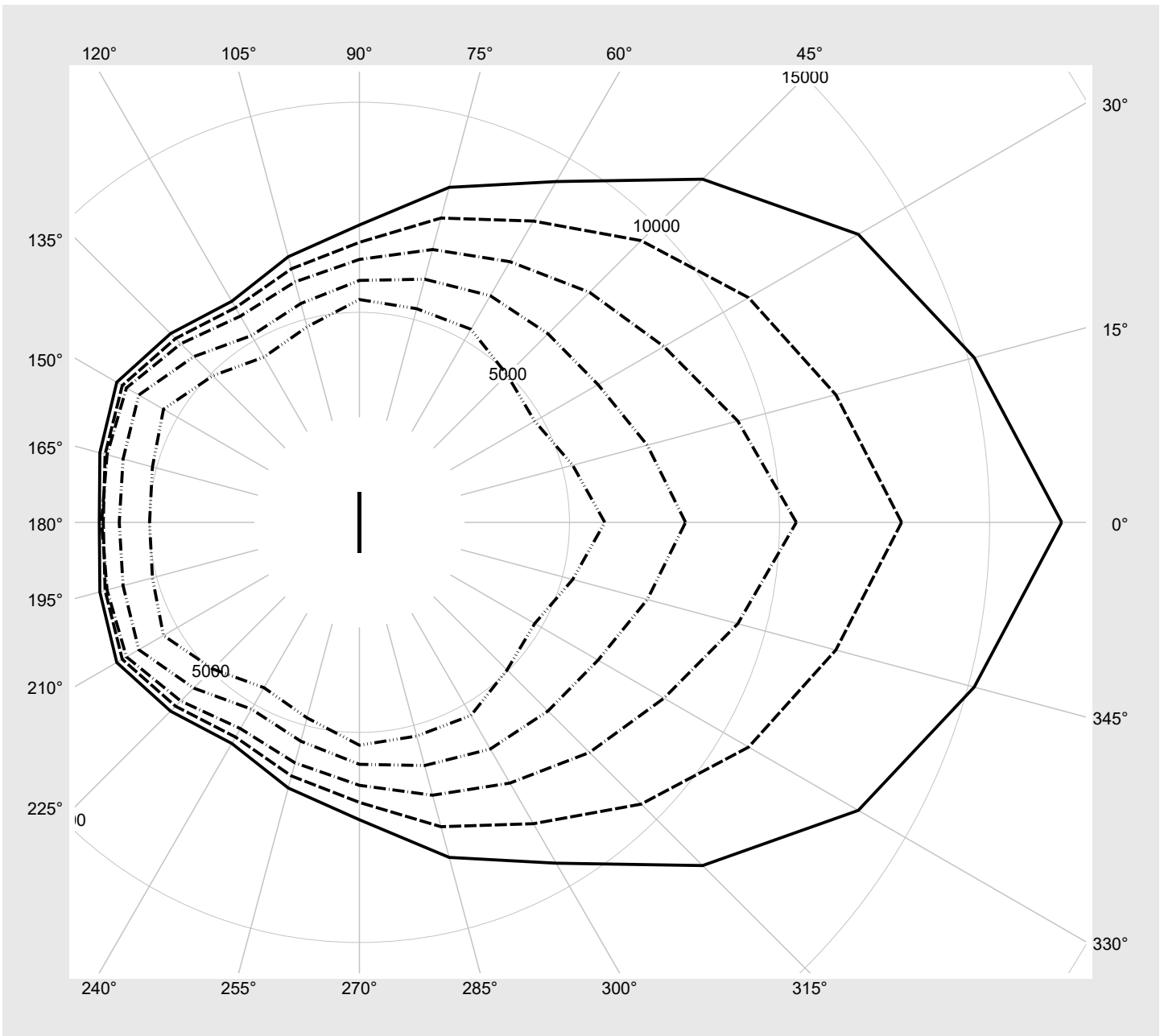
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Leuchtdichten in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



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Multilumen-Tabelle	Umgebungstemperatur: 25°C	sITeco
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DIP-Stufe	Schalterstellung		Lichtstrom [lm]	Systemleistung [W]
	1	2		
3	ON	ON	6400	40.0
2	ON	OFF	5610	34.0
1	OFF	ON	4450	27.0
0	OFF	OFF	3300	20.0