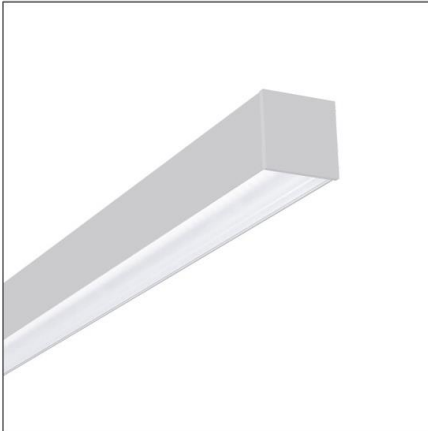


Lichttechnischer Prüfbefund

Familie
Silica®

Bestell-Nr.: 5MX31BD2W4A
EAN: 4058352305461

LP-Nummer
58997_9



Ausführung Pendelleuchte, Kombinierte Linsen und Reflektor Optik, satinierte Abdeckung, direkt-/indirekt strahlend, UGR≤19 (L65≤3000cd/m²)

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Einstellung indiv. Einstellung: nur Direktanteil in Betrieb

Bemessungswerte Nettolichtstrom = 9910 lm
Systemleistung = 60.1 W
Lichtausbeute = 164.9 lm/W

Seriendokumentation
07.10.2020

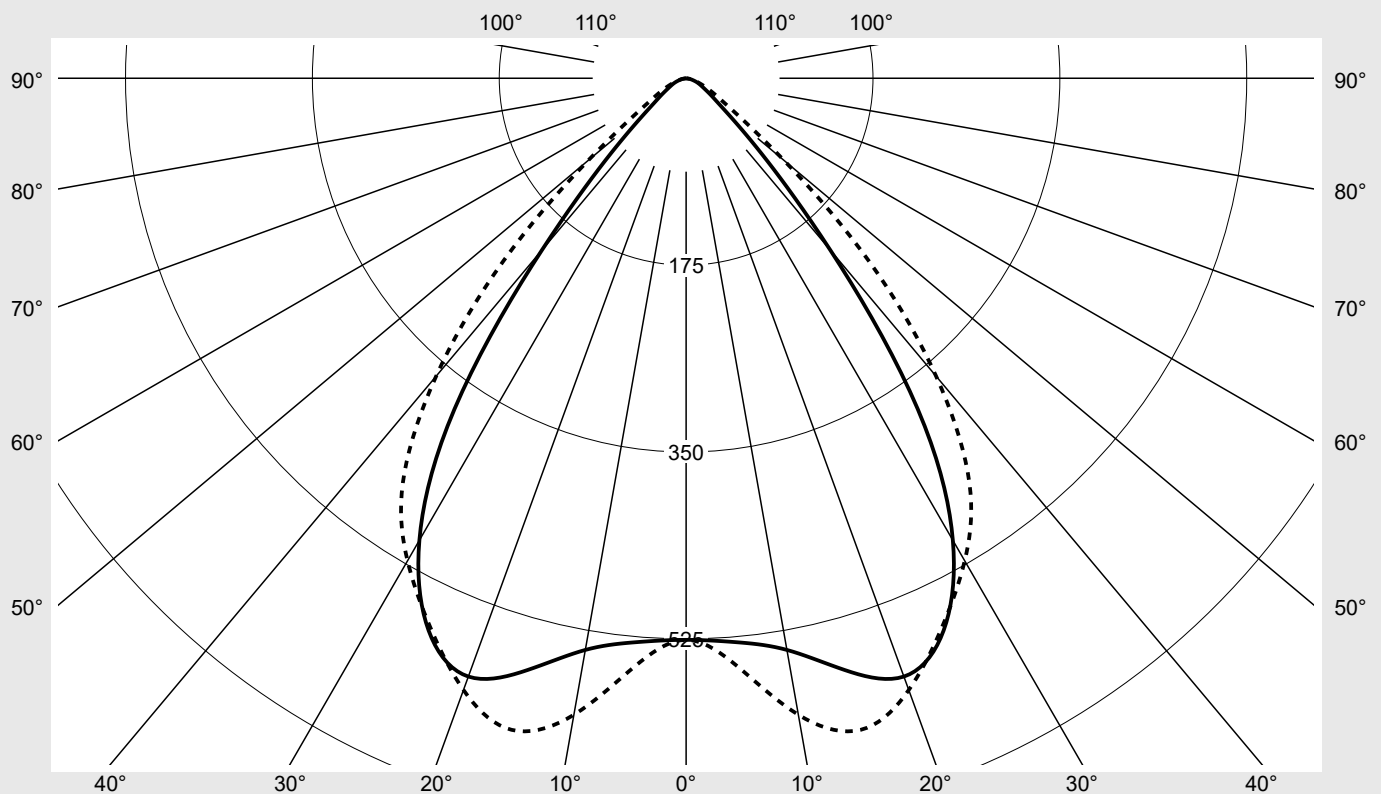
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 653 cd/klm



Klassifizierungen

DIN 5040 A 6 0
CIE N1=82 N2=97 N3=100
N4=100 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 100,0%
 ϕ_o 0,0%

Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie Silica®	Bestell-Nr.: 5MX31BD2W4A EAN: 4058352305461	LP-Nummer 58997_9
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		sITeco

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°	525.9	525.9	525.9	525.9	525.9	525.9	525.9	3.1	3.1
5°	530.1	532.1	531.7	539.8	547.4	550.9	553.0	25.8	29.0
10°	543.6	552.3	561.3	580.0	594.8	602.1	605.3	55.0	83.9
15°	573.7	588.4	603.0	623.3	632.9	632.0	631.7	87.1	171.0
20°	596.3	620.1	639.0	641.8	629.5	614.8	609.6	117.1	288.1
25°	570.6	616.7	653.0	638.7	597.2	573.3	567.1	140.8	429.0
30°	499.6	560.3	609.4	604.2	567.1	527.4	521.8	154.4	583.3
35°	378.2	424.0	476.5	520.1	513.0	469.3	462.5	147.9	731.2
40°	210.0	238.9	292.3	362.7	384.1	367.3	364.2	113.5	844.7
45°	100.2	117.8	146.5	199.3	232.4	237.2	242.0	71.3	916.1
50°	49.1	55.7	69.4	82.4	93.7	107.9	119.5	34.5	950.6
55°	30.0	32.2	36.5	41.6	42.2	47.4	55.6	18.2	968.7
60°	20.2	21.0	22.3	23.8	24.3	28.1	32.8	11.6	980.3
65°	14.7	14.9	15.1	15.2	15.9	19.0	21.0	8.1	988.4
70°	10.4	10.5	10.3	10.1	10.5	12.3	12.9	5.6	994.0
75°	6.2	6.2	6.1	6.1	6.3	7.1	7.3	3.4	997.4
80°	3.3	3.3	3.3	3.3	3.4	3.8	3.9	1.9	999.3
85°	1.2	1.2	1.2	1.3	1.3	1.4	1.5	0.7	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	17,4	18,7	17,7	19,0	19,4	19,2	20,6	19,6	20,9	21,2
	3H	17,4	18,6	17,8	18,9	19,3	19,2	20,4	19,6	20,7	21,1
	4H	17,4	18,5	17,8	18,8	19,2	19,2	20,3	19,6	20,6	21,0
	6H	17,3	18,3	17,8	18,7	19,1	19,2	20,1	19,6	20,5	20,9
	8H	17,4	18,3	17,8	18,7	19,1	19,2	20,1	19,7	20,5	20,9
	12H	17,4	18,2	17,8	18,6	19,0	19,2	20,0	19,6	20,4	20,8
4H	2H	17,3	18,4	17,7	18,8	19,1	19,1	20,2	19,5	20,5	20,9
	3H	17,3	18,2	17,8	18,6	19,0	19,1	20,0	19,5	20,4	20,8
	4H	17,3	18,1	17,8	18,6	19,0	19,1	19,9	19,5	20,3	20,7
	6H	17,3	18,0	17,8	18,4	18,9	19,0	19,7	19,5	20,2	20,6
	8H	17,3	17,9	17,8	18,4	18,9	19,0	19,6	19,5	20,1	20,6
	12H	17,3	17,8	17,8	18,3	18,8	19,0	19,5	19,5	20,0	20,5
8H	4H	17,3	17,9	17,8	18,3	18,8	19,0	19,6	19,4	20,0	20,5
	6H	17,3	17,8	17,8	18,2	18,7	18,9	19,4	19,4	19,9	20,4
	8H	17,2	17,7	17,7	18,2	18,7	18,9	19,4	19,4	19,8	20,4
	12H	17,2	17,6	17,8	18,1	18,6	18,9	19,3	19,5	19,8	20,3
12H	4H	17,3	17,8	17,8	18,3	18,7	19,0	19,5	19,5	19,9	20,4
	6H	17,3	17,7	17,8	18,2	18,7	18,9	19,3	19,4	19,8	20,4
	8H	17,2	17,6	17,8	18,1	18,6	18,9	19,3	19,4	19,8	20,3

Leuchtdichten-Tabelle	Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm:	L = 2836 B = 61
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C-Ebenen	γ	Leuchtdichte in cd/m ²							
		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°		8114.3	9546.4	11871.8	16147.4	18828.3	19218.4	19605.4	
50°		4375.2	4966.4	6186.2	7339.4	8346.3	9611.5	10651.1	
55°		2992.6	3219.5	3641.3	4154.5	4210.6	4738.2	5553.4	
60°		2315.4	2408.9	2553.1	2725.9	2787.6	3221.7	3756.6	
65°		1987.1	2020.7	2045.0	2056.4	2151.4	2573.6	2846.9	
70°		1742.9	1759.5	1731.5	1699.5	1765.8	2065.3	2164.3	
75°		1366.3	1375.8	1355.4	1341.0	1389.3	1564.6	1620.8	
80°		1083.0	1084.3	1083.0	1083.0	1131.2	1248.0	1290.2	
85°		807.1	795.3	807.1	837.4	877.5	945.1	961.6	

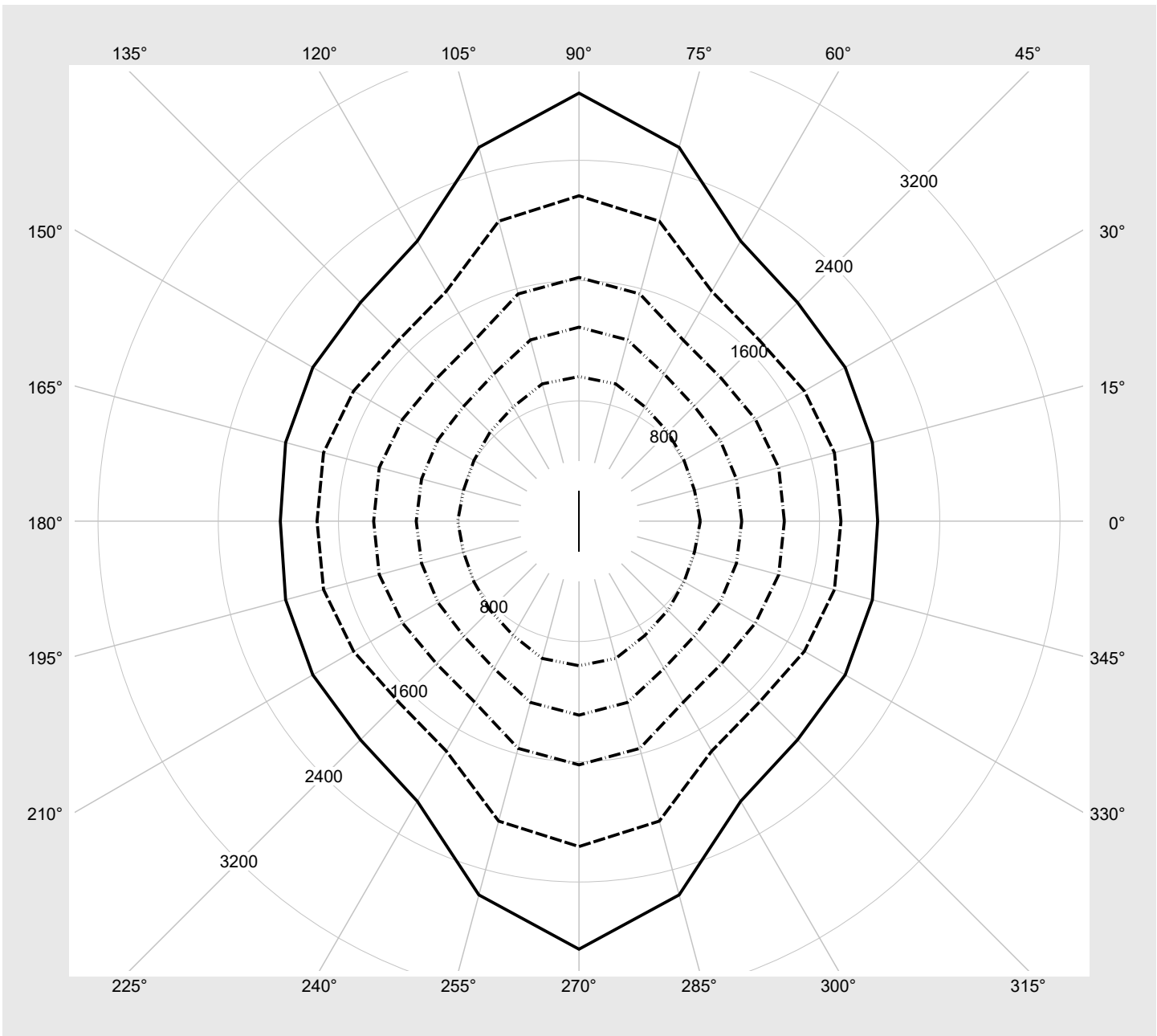
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Leuchtdichten in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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Lichttechnischer Prüfbefund

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Dimmstufen-Tabelle		sITeco
Umgebungstemperatur: 25°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	9910	60.1
95	241	252	9421	57.1
90	228	250	8934	54.0
85	215	248	8442	50.9
80	202	246	7947	47.9
75	189	243	7451	44.8
70	176	241	6952	41.7
65	163	238	6446	38.7
60	150	235	5940	35.7
55	137	231	5433	32.8
50	125	228	4961	30.0
45	112	224	4445	27.1
40	100	220	3965	24.4
35	88	215	3486	21.7
30	75	209	2963	18.8
25	63	203	2475	16.1
20	51	195	1988	13.4
15	39	185	1500	10.8
10	27	172	1007	8.1
5	15	150	511	5.4
3	10	136	304	4.4