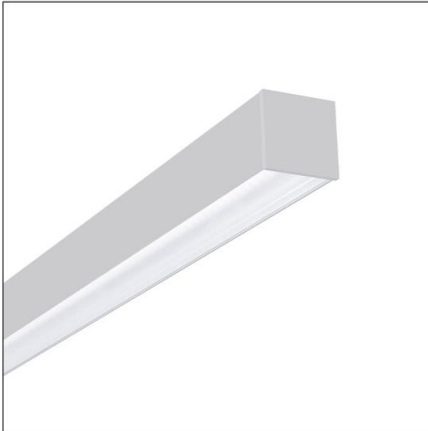


## Lichttechnischer Prüfbefund

Familie  
Silica®

Bestell-Nr.: 5MX31BD2W4A  
EAN: 4058352305461

LP-Nummer  
58830\_15



**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 Indirektanteil in Betrieb

**Bemessungswerte** Nettolichtstrom = 4250 lm  
Systemleistung = 32.5 W  
Lichtausbeute = 130.8 lm/W

Seriendokumentation  
07.10.2020

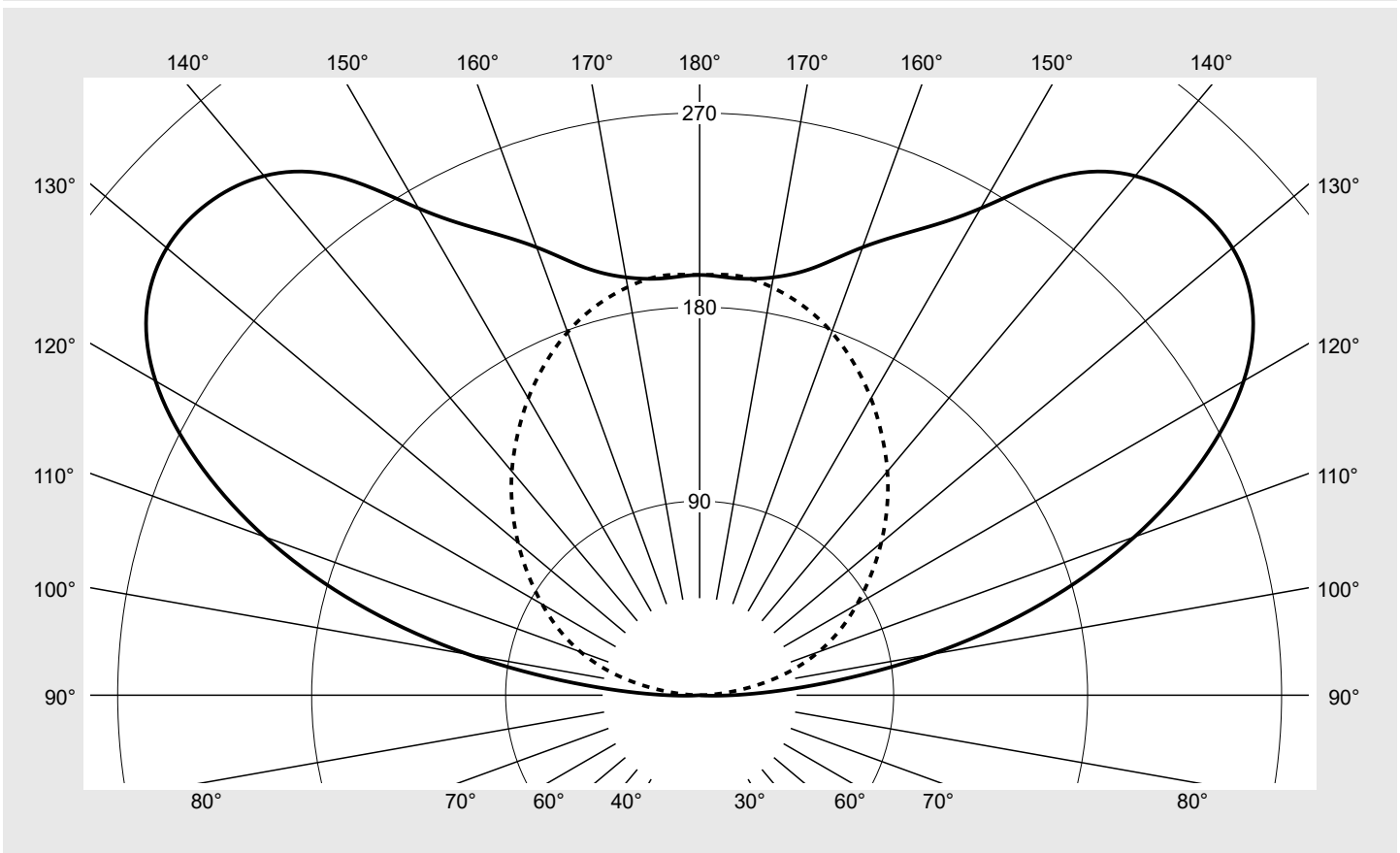
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 323 cd/klm



## Klassifizierungen

DIN 5040 E 1 2  
CIE N1=0 N2=0 N3=0  
N4=0 N5=100

## Leuchtenbetriebswirkungsgrade

$\eta_{LB}$  100,0%  
 $\phi_u$  0,3%  
 $\phi_o$  99,7%

## Messbedingungen

DIN EN 13032 und DIN 5032

## Lichttechnischer Prüfbefund

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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°			
Lichtstärke in cd/klm									
Lichtstrom in lm/klm									
γ									
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	15.1	14.8	14.6	12.0	6.8	2.2	0.8	5.3	5.3
95°	53.0	54.0	55.4	46.4	27.1	15.5	10.9	21.0	26.3
100°	108.8	111.8	111.5	88.6	52.7	36.3	27.2	42.2	68.5
105°	164.7	168.8	165.6	135.6	82.6	55.1	44.0	62.8	131.3
110°	214.7	220.5	214.2	174.0	105.9	71.2	58.7	79.2	210.5
115°	257.2	260.6	253.5	200.0	120.5	85.9	72.0	89.8	300.3
120°	291.5	293.0	281.6	209.8	129.2	98.9	84.3	95.0	395.3
125°	313.1	312.2	292.1	207.5	137.9	110.1	96.9	94.7	490.0
130°	322.7	317.9	284.6	200.3	147.9	120.5	109.9	90.1	580.1
135°	322.7	313.7	272.6	196.2	157.5	130.7	122.9	83.6	663.6
140°	314.4	303.1	255.4	196.2	164.8	140.7	135.5	75.5	739.1
145°	294.0	280.3	236.6	198.5	171.7	150.6	147.3	65.9	805.0
150°	260.8	250.7	224.9	198.7	174.4	160.2	159.0	55.7	860.7
155°	238.0	232.8	216.2	198.2	177.8	169.3	169.6	46.3	906.9
160°	221.1	218.2	207.4	192.8	182.8	178.2	179.2	36.9	943.8
165°	205.3	203.3	196.6	191.5	186.8	185.5	186.7	27.4	971.2
170°	196.8	196.1	192.9	191.2	190.8	191.2	192.2	18.4	989.6
175°	194.1	193.9	192.3	193.0	193.7	195.0	195.4	9.3	998.8
180°	194.9	194.9	194.9	194.9	194.9	194.9	194.9	1.2	1000.0

## Lichttechnischer Prüfbefund

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<b>UGR-Tabelle</b>	<b>Standardraum</b>	<b>sITeco</b>

Die UGR-Formel ist für diese Leuchtentype nicht anwendbar, siehe LiTG Publikation 20:  
 "Das UGR - Verfahren zur Bewertung der Direktblendung der künstlichen Beleuchtung in Innenräumen"

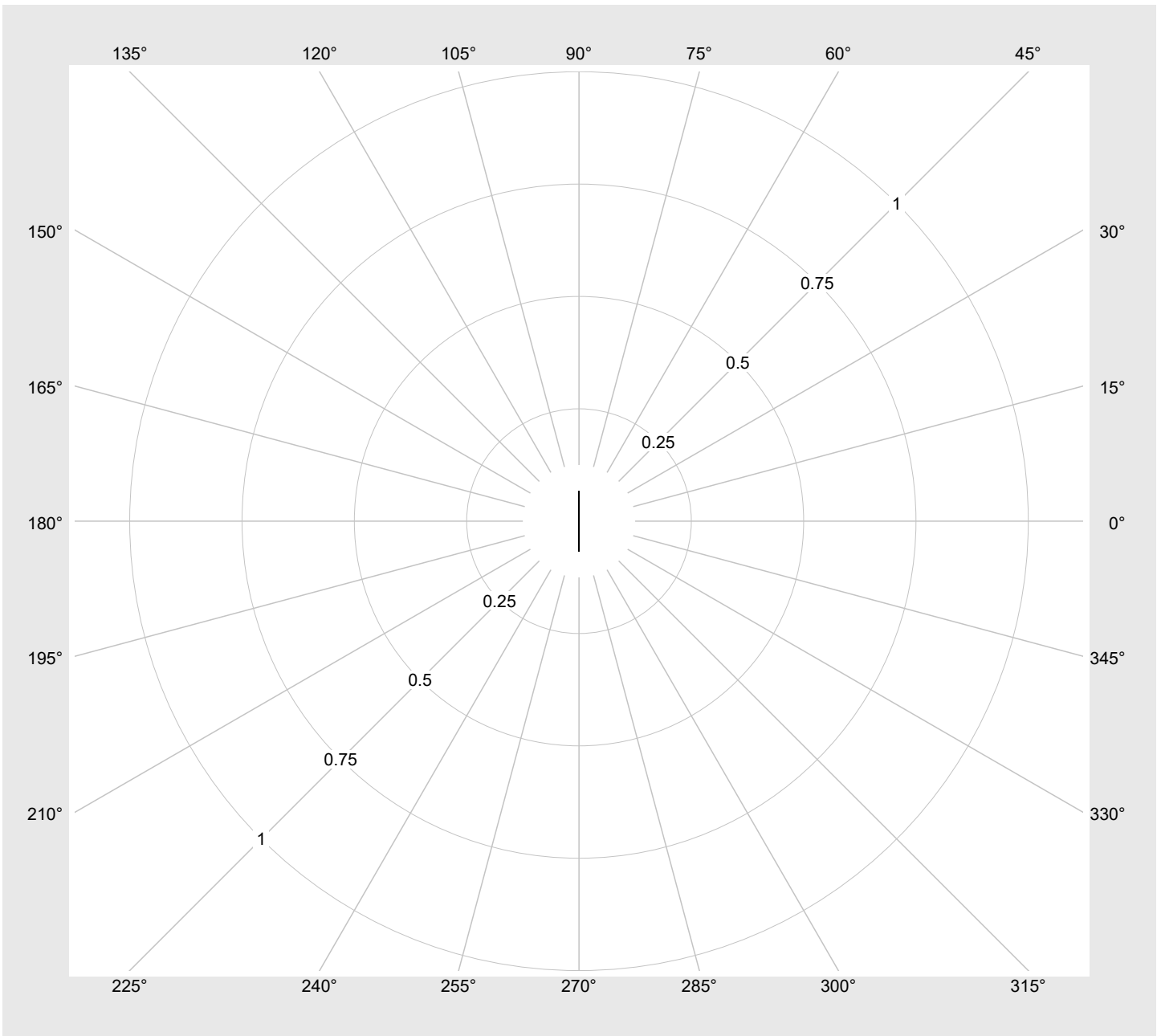
<b>Leuchtdichten-Tabelle</b>	<b>Max. für <math>\gamma \geq 65^\circ</math></b>	<b>Lichttechnische</b> Abmessungen in mm:	<b>L = 2836</b> <b>B = 61</b>
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C- Ebenen	$\gamma$	0°	15°	30°	45°	60°	75°	90°
		180°	165°	150°	135°	120°	105°	270°
		195°	210°	225°	240°	255°	285°	300°
		345°	330°	315°	300°	285°	270°	255°
		Leuchtdichte in cd/m <sup>2</sup>						
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**Lichttechnischer Prüfbefund**

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**Leuchtdichten in cd/m<sup>2</sup>**      γ 65°    γ 70°    γ 75°    γ 80°    γ 85°      **siteco**



## Lichttechnischer Prüfbefund

<b>Familie</b> Silica®	<b>Bestell-Nr.: 5MX31BD2W4A</b> <b>EAN: 4058352305461</b>	<b>LP-Nummer</b> <b>58830_15</b>
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<b>Dimmstufen-Tabelle</b>	Umgebungstemperatur: 25°C	<b>sITeco</b>
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	4250	32.5
95	240	252	4034	30.7
90	227	250	3820	29.0
85	214	248	3620	27.4
80	201	245	3406	25.7
75	188	243	3193	23.9
70	174	240	2976	22.3
65	161	237	2763	20.8
60	148	234	2548	19.1
55	135	231	2335	17.5
50	122	227	2120	16.0
45	110	223	1910	14.4
40	97	219	1695	12.8
35	84	213	1481	11.4
30	72	208	1270	9.9
25	59	201	1056	8.4
20	47	192	844	7.0
15	34	180	630	5.5
10	22	164	418	4.1
6	12	142	248	3.2