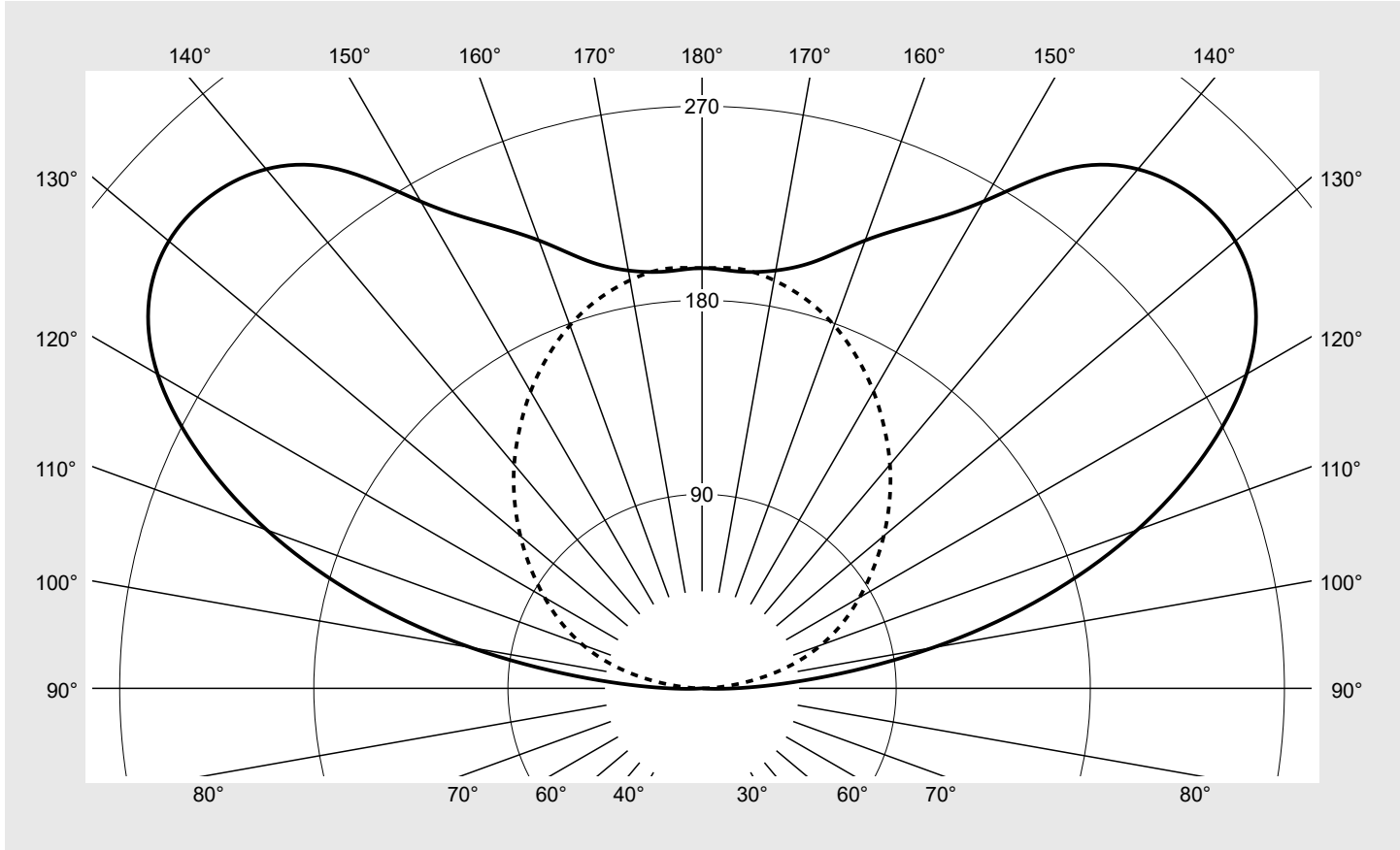


Photometric test report

Family Silica® 	Order number: 5MX31BD2W4A EAN: 4058352305461	LP number 58830_15
	Version Suspended luminaire, Combined lens and reflector optics, frosted cover, direct-/ indirect distribution, UGR≤19 (L65≤3000cd/m²)	serial documentation 07.10.2020
Lamps LED 4000 K CRI ≥ 80	Controlgear ECG-DALI	
Setting individual position: only indirect light	Rated values Net luminous flux = 4250 lm Power consumption = 32.5 W Luminous efficacy = 130.8 lm/W	



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 323 cd/klm**



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

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	0.3%
ϕ_o	99.7%

Measurement conditions
 DIN EN 13032 and DIN 5032

Photometric test report

Family Silica®	Order number: 5MX31BD2W4A EAN: 4058352305461	LP number 58830_15
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
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

Photometric test report

Family Silica®	Order number: 5MX31BD2W4A EAN: 4058352305461	LP number 58830_15
UGR-Table Standard room		siteco

The UGR formula for this luminaire type cannot be used, see LiTG Publication 20:
"The UGR - Process for Evaluation of Direct Glare of Artificial Lighting in Indoor Rooms"

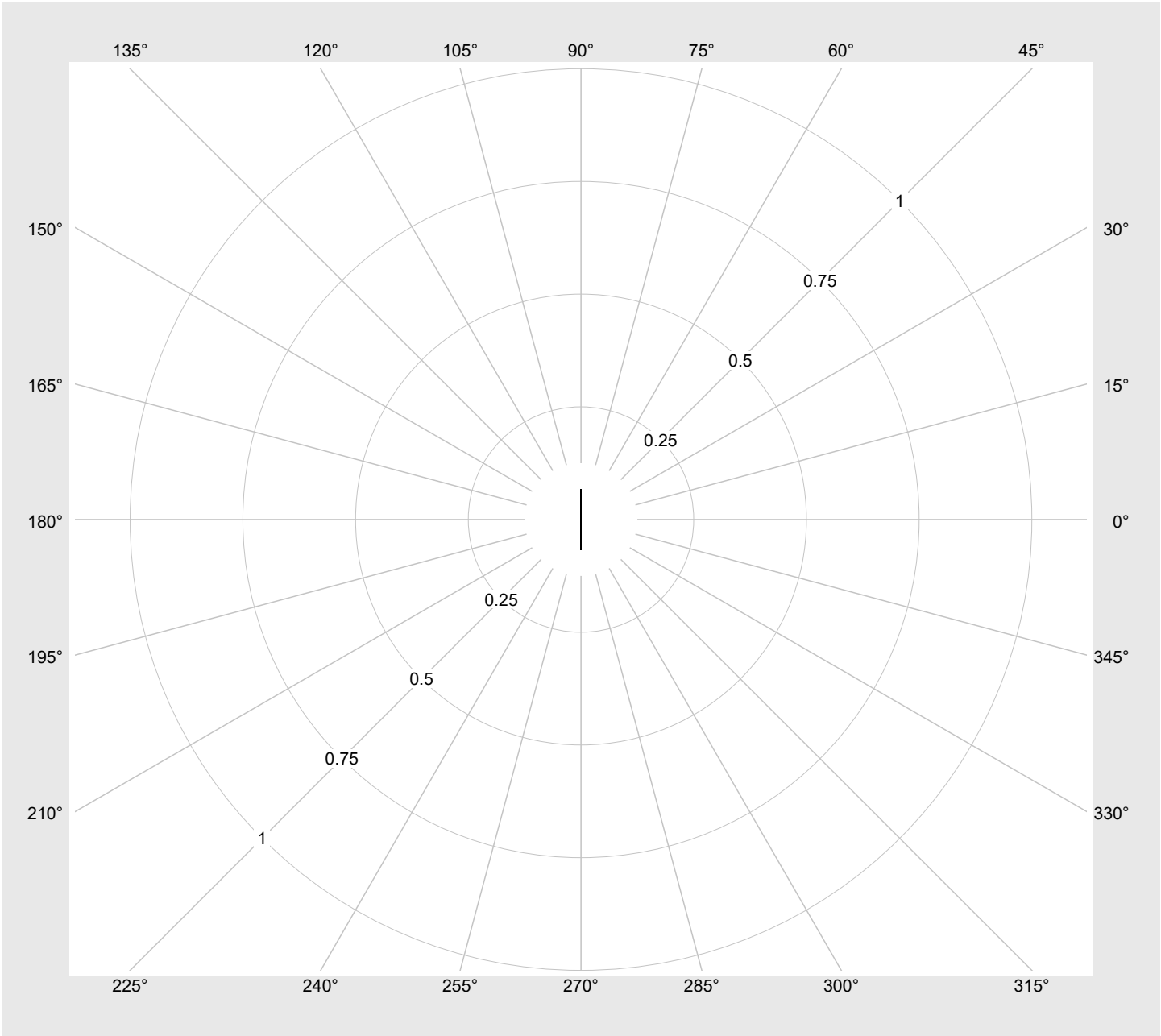
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 2836 B = 61
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C-planes	γ	0°	15°	30°	45°	60°	75°	90°
		180°	165°	150°	135°	120°	105°	270°
		195°	210°	225°	240°	255°	285°	300°
		345°	330°	315°	300°	285°	270°	255°
		Luminance in cd/m ²						
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

Photometric test report

Family Silica®	Order number: 5MX31BD2W4A EAN: 4058352305461	LP number 58830_15
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°



Photometric test report

Family Silica®	Order number: 5MX31BD2W4A EAN: 4058352305461	LP number 58830_15
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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [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