

## Lichttechnischer Prüfbefund

Familie  
Lunis® micro square

Bestell-Nr.: 51DE11CD3FF22 + 59DL10000200E00DC  
EAN: 4058352107003 + 4058352127445

LP-Nummer  
57964\_7

**Ausführung** Prismenscheibe, Darklightreflektor  
hochglänzend, eng strahlend, Abdeckscheibe,  
IP54, satiniert

**Bestückung** LED 3000K / CRI ≥ 80

**Betriebsgerät** EVG-DALI

**Bemessungswerte** Nettolichtstrom = 2120 lm  
Systemleistung = 27.4 W  
Lichtausbeute = 77.4 lm/W

Seriendokumentation  
15.02.2018

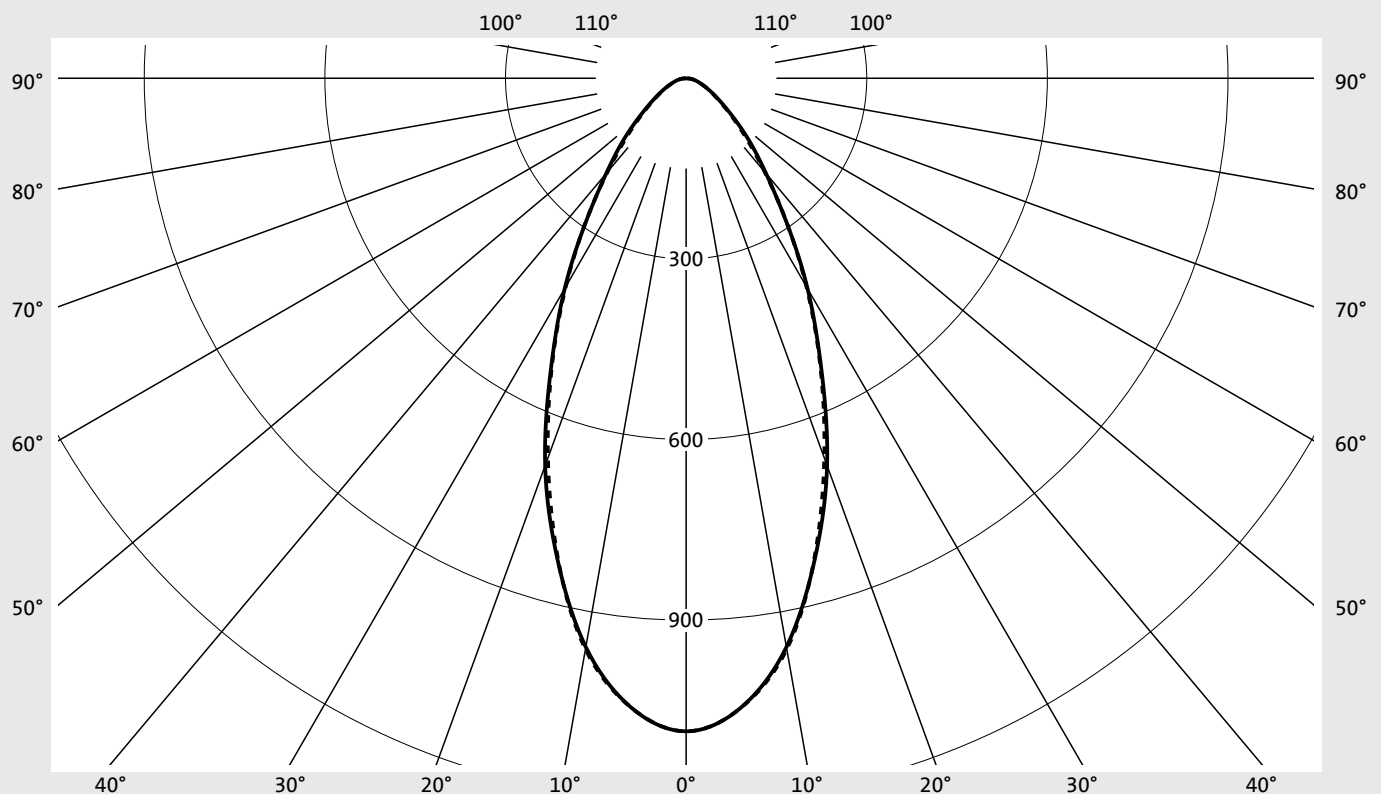
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 1085 cd/klm



#### Klassifizierungen

DIN 5040 A 6 1  
CIE N1=77 N2=94 N3=99  
N4=100 N5=100

#### Leuchtenbetriebswirkungsgrade

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

#### 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°	1084.7	1084.7	1084.7	1084.7	1084.7	1084.7	1084.7	6.5	6.5
5°	1049.0	1049.2	1048.3	1046.6	1048.0	1048.8	1049.2	50.1	56.6
10°	959.3	961.7	963.5	963.0	961.8	963.7	962.9	91.6	148.2
15°	826.3	827.4	831.9	828.8	827.7	825.1	824.0	117.4	265.6
20°	684.6	688.4	679.2	680.3	680.3	679.9	671.1	127.7	393.3
25°	530.9	530.1	531.3	532.2	532.3	530.7	527.5	123.0	516.3
30°	403.3	401.8	401.5	400.9	401.9	400.8	399.8	110.0	626.3
35°	289.1	290.4	291.0	292.1	290.5	289.8	289.8	91.3	717.6
40°	206.6	210.3	208.3	208.2	209.2	204.9	203.3	73.2	790.8
45°	150.1	144.9	148.0	149.6	147.5	144.8	142.5	56.9	847.7
50°	104.5	103.9	104.7	106.0	103.2	100.7	100.1	43.5	891.2
55°	72.9	72.1	75.0	75.1	73.9	71.1	70.1	32.8	924.0
60°	51.9	50.2	52.8	54.4	53.0	51.4	50.7	24.8	948.8
65°	37.0	36.4	38.4	37.5	39.1	36.6	36.5	18.6	967.4
70°	26.0	26.3	26.7	26.6	27.0	25.9	25.6	13.6	981.0
75°	18.3	18.2	18.1	18.3	18.3	17.8	18.7	9.6	990.6
80°	12.0	11.6	11.8	11.7	11.7	11.5	11.8	6.3	996.9
85°	5.6	5.5	5.9	5.8	5.5	5.3	5.3	3.1	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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<b>UGR-Tabelle</b>	<b>Standardraum</b>	<b>siteco</b>
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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	23,7	25,0	24,0	25,3	25,7	23,6	25,0	24,0	25,3	25,6
	3H	24,2	25,4	24,6	25,8	26,1	24,2	25,4	24,6	25,7	26,1
	4H	24,5	25,6	24,9	26,0	26,3	24,4	25,5	24,8	25,9	26,3
	6H	24,7	25,7	25,2	26,1	26,5	24,7	25,7	25,1	26,1	26,4
	8H	24,9	25,8	25,3	26,2	26,6	24,9	25,7	25,3	26,1	26,5
	12H	25,0	25,8	25,4	26,2	26,6	24,9	25,7	25,3	26,1	26,5
4H	2H	24,0	25,1	24,3	25,4	25,8	23,9	25,0	24,3	25,4	25,7
	3H	24,7	25,6	25,1	26,0	26,4	24,6	25,5	25,1	25,9	26,3
	4H	25,0	25,8	25,5	26,3	26,7	25,0	25,8	25,4	26,2	26,6
	6H	25,4	26,1	25,8	26,5	27,0	25,3	26,0	25,8	26,4	26,9
	8H	25,5	26,1	26,0	26,6	27,1	25,5	26,1	25,9	26,5	27,0
	12H	25,6	26,2	26,1	26,6	27,1	25,6	26,1	26,1	26,6	27,1
8H	4H	25,2	25,8	25,6	26,2	26,7	25,1	25,7	25,6	26,2	26,7
	6H	25,6	26,1	26,1	26,6	27,1	25,6	26,1	26,0	26,5	27,0
	8H	25,8	26,2	26,3	26,7	27,3	25,7	26,2	26,2	26,7	27,2
	12H	26,0	26,3	26,5	26,8	27,4	25,9	26,3	26,4	26,8	27,3
12H	4H	25,2	25,7	25,7	26,2	26,7	25,2	25,7	25,6	26,1	26,6
	6H	25,7	26,1	26,2	26,6	27,1	25,6	26,0	26,1	26,5	27,0
	8H	25,9	26,2	26,4	26,7	27,3	25,8	26,2	26,3	26,7	27,2

<b>Leuchtdichten-Tabelle</b>	<b>Max. für <math>\gamma \geq 65^\circ</math></b>	<b>Lichttechnische Abmessungen in mm:</b>	<b>L = 82</b>	<b>B = 82</b>
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C- Ebenen	$\gamma$	0° 180°	15°	30°	45°	60°	75°	90° 270°
			165°	150°	135°	120°	105°	
			195°	210°	225°	240°	255°	
			345°	330°	315°	300°	285°	
			Leuchtdichte in cd/m²					
45°		66948.8	64618.1	65987.0	66711.1	65777.9	64571.8	63543.1
50°		51280.0	50972.5	51368.8	52009.9	50641.9	49391.6	49095.3
55°		40072.9	39615.5	41229.4	41293.7	40613.8	39103.2	38559.0
60°		32721.9	31671.4	33302.0	34322.9	33409.9	32382.0	31982.9
65°		27583.9	27131.8	28650.8	27941.3	29164.0	27285.5	27207.9
70°		23999.2	24276.7	24623.3	24550.5	24873.1	23918.1	23602.8
75°		22237.9	22177.0	22038.1	22293.9	22287.8	21695.8	22720.3
80°		21800.8	21065.5	21432.2	21239.8	21326.9	20865.7	21470.3
85°		20164.1	20012.2	21499.0	20869.5	19997.7	19270.6	19086.1

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

