

## Lichttechnischer Prüfbefund

**Familie**  
**Lunis® micro square**

Bestell-Nr.: 51DE11CD3FF22 + 59DL1L0000G0000D0 + 59DL10000200E00DB

LP-Nummer

EAN: 4058352107003 + 4058352030165 + 4058352127438

**57965\_7**

**Ausführung** Prismenscheibe, Darklightreflektor  
hochglänzend, medium strahlend,  
Abdeckscheibe, IP54, klar

**Bestückung** LED 3000K / CRI ≥ 80

**Betriebsgerät** EVG-DALI

**Bemessungswerte** Nettolichtstrom = 2610 lm  
Systemleistung = 27.4 W  
Lichtausbeute = 95.3 lm/W

Seriendokumentation  
15.02.2018

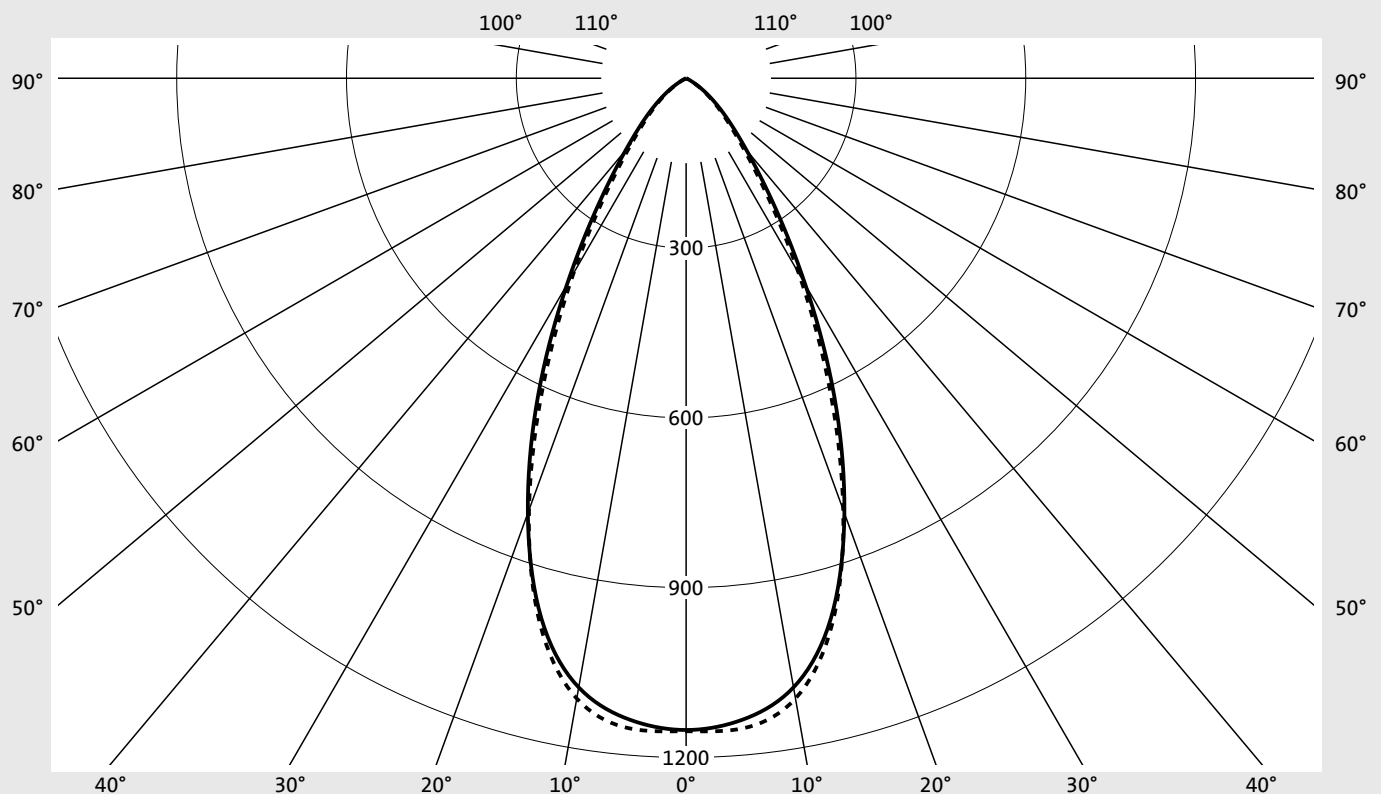
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 1154 cd/klm



### Klassifizierungen

DIN 5040 A 7 0  
CIE N1=89 N2=100 N3=100  
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°	1151.4	1151.4	1152.1	1153.2	1152.5	1153.2	1153.6	6.9	6.9
5°	1137.7	1139.9	1145.8	1147.3	1151.8	1152.1	1152.8	54.8	61.7
10°	1092.7	1095.7	1108.2	1110.1	1116.3	1113.0	1112.7	105.4	167.1
15°	988.0	992.8	1019.7	1017.8	1021.5	1003.4	997.6	143.0	310.1
20°	817.5	826.0	867.3	863.6	860.7	824.5	811.6	158.0	468.1
25°	619.0	627.5	678.1	673.3	666.3	615.3	596.9	149.4	617.5
30°	421.3	434.2	489.2	488.8	474.1	417.2	398.1	123.9	741.4
35°	266.0	279.6	327.6	332.4	312.8	261.6	244.2	92.7	834.1
40°	166.4	176.3	209.5	215.1	197.4	162.0	149.8	65.7	899.8
45°	107.0	112.5	132.1	132.8	123.2	102.9	95.9	45.5	945.3
50°	66.4	69.4	78.9	76.0	74.5	64.6	59.8	29.8	975.2
55°	36.2	37.6	41.0	37.6	39.5	35.4	32.5	16.9	992.0
60°	13.7	13.7	15.9	14.4	15.1	13.7	12.2	6.8	998.8
65°	1.8	1.8	3.0	2.6	3.0	2.2	1.5	1.2	1000.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	22,5	23,7	22,8	24,0	24,3	22,1	23,3	22,4	23,6	23,9
	3H	22,3	23,4	22,7	23,7	24,1	21,9	23,0	22,3	23,3	23,7
	4H	22,2	23,2	22,6	23,6	23,9	21,8	22,8	22,2	23,2	23,5
	6H	22,2	23,0	22,6	23,4	23,8	21,8	22,6	22,2	23,0	23,4
	8H	22,2	22,9	22,7	23,3	23,7	21,8	22,6	22,3	22,9	23,3
	12H	22,2	22,9	22,6	23,2	23,7	21,8	22,5	22,2	22,8	23,3
4H	2H	22,3	23,3	22,7	23,6	24,0	21,9	22,9	22,3	23,2	23,6
	3H	22,1	22,9	22,5	23,3	23,7	21,7	22,5	22,2	22,9	23,3
	4H	22,0	22,7	22,5	23,1	23,6	21,6	22,3	22,1	22,8	23,2
	6H	21,9	22,5	22,4	23,0	23,4	21,5	22,1	22,0	22,6	23,0
	8H	21,9	22,4	22,4	22,9	23,4	21,5	22,0	22,0	22,5	23,0
	12H	21,9	22,3	22,4	22,8	23,3	21,5	21,9	22,0	22,4	22,9
8H	4H	21,9	22,4	22,4	22,9	23,4	21,5	22,0	22,0	22,5	23,0
	6H	21,8	22,2	22,3	22,7	23,2	21,4	21,8	21,9	22,3	22,8
	8H	21,7	22,1	22,2	22,6	23,1	21,3	21,7	21,8	22,2	22,7
	12H	21,7	22,0	22,2	22,5	23,0	21,3	21,6	21,8	22,1	22,7
12H	4H	21,9	22,3	22,4	22,8	23,3	21,5	21,9	22,0	22,4	22,9
	6H	21,8	22,1	22,3	22,6	23,1	21,4	21,7	21,9	22,2	22,7
	8H	21,7	22,0	22,2	22,5	23,0	21,3	21,6	21,8	22,1	22,7

Leuchtdichten-Tabelle	Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm:	L = 82	B = 82
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>							
		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°		58728.2	61763.9	72497.3	72902.5	67641.4	56502.8	52651.4	
50°		40100.2	41882.2	47674.5	45891.9	45001.2	38985.4	36089.8	
55°		24466.2	25465.0	27712.5	25465.0	26713.6	23966.7	21969.7	
60°		10596.8	10596.8	12315.6	11169.7	11742.7	10596.8	9451.0	
65°		1694.6	1694.6	2710.4	2371.5	2710.4	2033.5	1355.7	
70°		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	
80°		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	

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**Leuchtdichten in cd/m²**

$\gamma$  65°   
   $\gamma$  70°   
   $\gamma$  75°   
   $\gamma$  80°   
   $\gamma$  85°

