

Lichttechnischer Prüfbefund

Familie
Lunis® micro square

Bestell-Nr.: 51DE11B73FG22 + 59DL10000200E00DB
EAN: 4058352107102 + 4058352127438

LP-Nummer
57963_11

Ausführung Prismenscheibe, Darklightreflektor
hochglänzend, eng strahlend, Abdeckscheibe,
IP54, klar

Bestückung LED 4000K / CRI ≥ 80

Betriebsgerät EVG

Bemessungswerte Nettolichtstrom = 2550 lm
Systemleistung = 27.8 W
Lichtausbeute = 91.7 lm/W

Seriendokumentation
15.02.2018

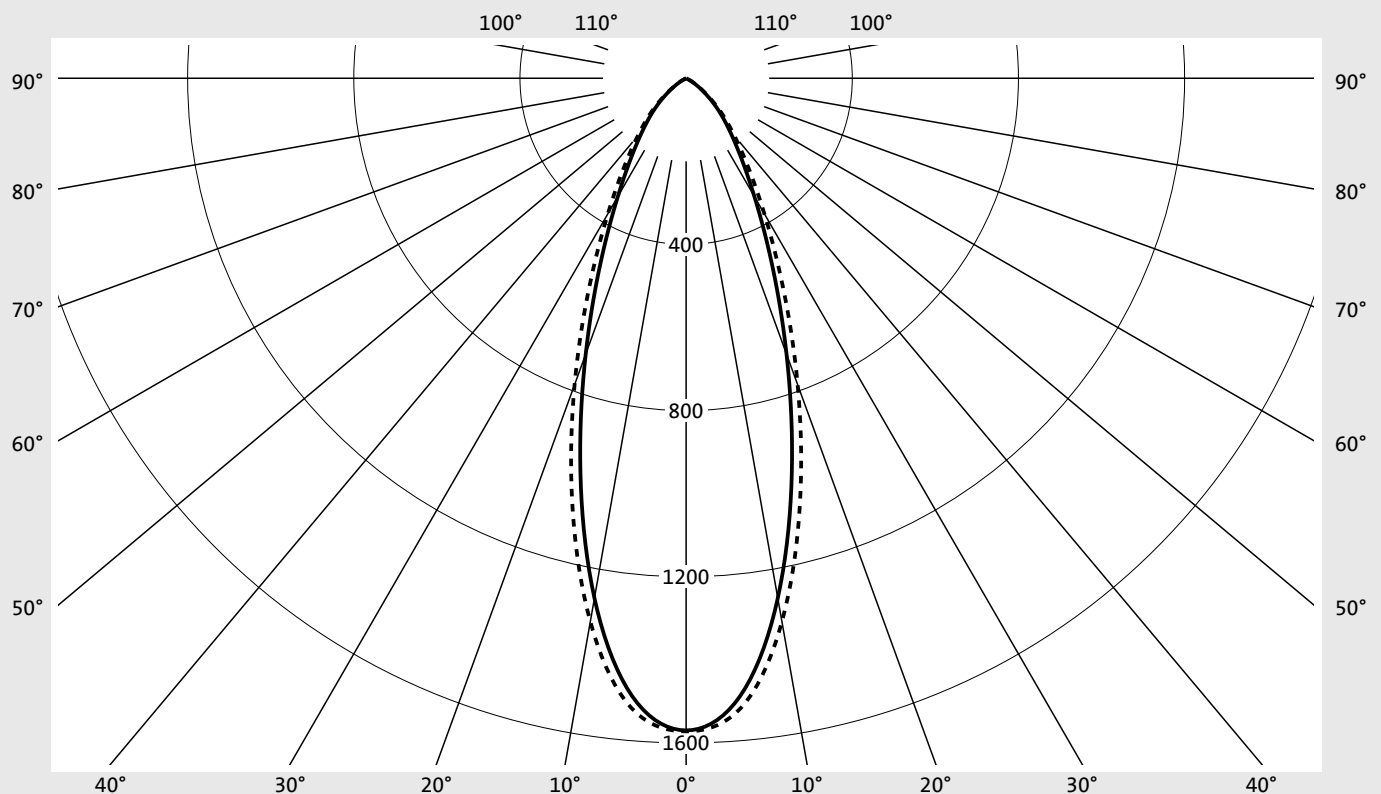
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 1574 cd/klm



Klassifizierungen

DIN 5040 A 7 0
CIE N1=87 N2=99 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

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
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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°	1569.9	1570.6	1569.5	1573.7	1571.0	1574.4	1572.2	9.4	9.4
5°	1492.8	1489.5	1511.4	1511.4	1530.0	1523.2	1520.9	72.2	81.6
10°	1270.8	1270.4	1309.9	1313.0	1344.4	1333.5	1328.1	124.9	206.5
15°	983.1	986.9	1038.5	1047.2	1082.1	1065.4	1059.0	147.6	354.1
20°	706.8	718.1	775.8	788.4	817.6	795.9	784.9	145.0	499.1
25°	484.7	496.8	558.7	576.2	594.8	561.4	549.2	127.6	626.7
30°	328.7	341.2	394.4	414.5	421.3	388.7	376.5	105.6	732.3
35°	227.4	237.6	276.7	292.6	296.8	269.1	259.6	84.7	817.0
40°	160.6	168.5	194.7	206.5	208.4	189.0	181.0	66.8	883.9
45°	112.0	118.0	136.3	142.0	144.2	131.3	124.9	51.0	934.9
50°	69.8	74.4	88.4	88.4	93.4	83.1	77.1	35.1	970.0
55°	37.2	40.2	47.1	46.7	50.5	44.8	40.2	20.1	990.0
60°	14.8	15.2	18.2	17.5	19.7	17.8	15.9	8.2	998.2
65°	2.3	2.7	4.2	3.8	4.6	3.8	2.7	1.8	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	22,2	23,4	22,5	23,7	24,0	22,8	24,0	23,1	24,3	24,6
	3H	22,0	23,1	22,4	23,4	23,8	22,6	23,7	23,0	24,0	24,4
	4H	22,0	22,9	22,4	23,3	23,7	22,5	23,5	22,9	23,9	24,2
	6H	21,9	22,8	22,3	23,1	23,5	22,5	23,3	22,9	23,7	24,1
	8H	22,0	22,7	22,4	23,1	23,5	22,5	23,3	23,0	23,6	24,0
	12H	21,9	22,6	22,3	23,0	23,4	22,5	23,2	22,9	23,5	24,0
4H	2H	22,1	23,0	22,5	23,4	23,8	22,6	23,6	23,0	23,9	24,3
	3H	21,9	22,7	22,3	23,1	23,5	22,4	23,2	22,9	23,6	24,0
	4H	21,8	22,5	22,2	22,9	23,4	22,3	23,1	22,8	23,5	23,9
	6H	21,7	22,3	22,2	22,7	23,2	22,3	22,9	22,7	23,3	23,8
	8H	21,7	22,2	22,2	22,6	23,1	22,2	22,7	22,7	23,2	23,7
	12H	21,7	22,1	22,2	22,5	23,0	22,2	22,6	22,7	23,1	23,6
8H	4H	21,7	22,2	22,2	22,6	23,1	22,2	22,7	22,7	23,2	23,7
	6H	21,6	22,0	22,1	22,5	23,0	22,1	22,5	22,6	23,0	23,5
	8H	21,5	21,9	22,0	22,4	22,9	22,0	22,4	22,6	22,9	23,4
	12H	21,5	21,8	22,0	22,3	22,8	22,0	22,3	22,5	22,8	23,4
12H	4H	21,7	22,1	22,2	22,5	23,1	22,2	22,6	22,7	23,1	23,6
	6H	21,5	21,9	22,0	22,4	22,9	22,1	22,4	22,6	22,9	23,4
	8H	21,5	21,8	22,0	22,3	22,8	22,0	22,3	22,5	22,8	23,4

Leuchtdichten-Tabelle		Max. für $\gamma \geq 65^\circ$						
		Lichttechnische Abmessungen in mm: L = 82, B = 82						
C-Ebenen	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°
		Leuchtdichte in cd/m²						
45°		60053.8	63307.7	73080.1	76135.5	77357.8	70437.1	66974.6
50°		41204.9	43892.3	52178.2	52178.2	55089.2	49043.0	45459.9
55°		24594.0	26602.0	31119.2	30868.0	33377.8	29613.0	26602.0
60°		11227.7	11515.2	13818.7	13243.0	14970.1	13531.2	12091.6
65°		2043.3	2384.3	3746.5	3406.4	4087.5	3406.4	2384.3
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 γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**

