

Lichttechnischer Prüfbefund

Familie
Ecopack® 31

Bestell-Nr.: 51LJ12MNM70A + 59LJ203
EAN: 4058352589595 + 4058352612422

LP-Nummer
59349_6

Ausführung Diffusoroptik, satiniert, PC, einstellbare
Farbtemperatur: 3000K | 4000K | 5000K,
extrem breit strahlend, Notlichtelement 3h
Betriebsdauer

Bestückung LED 3000 K | CRI ≥ 80

Betriebsgerät EVG-Multilumen

Einstellung indiv. Einstellung: Farbtemperatur 3000K

Bemessungswerte Nettolichtstrom = 6320 lm
Systemleistung = 51.5 W
Lichtausbeute = 122.7 lm/W

Seriendokumentation
19.08.2022

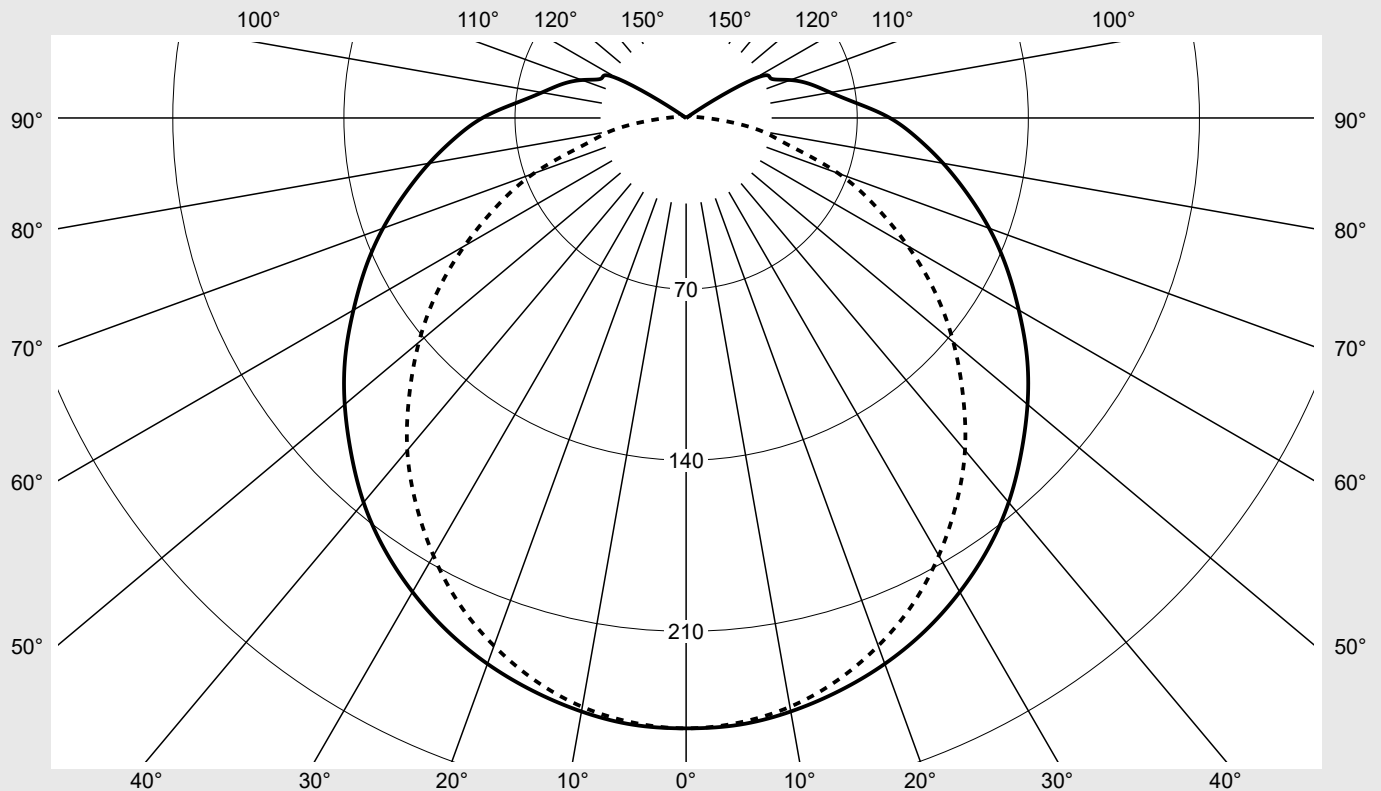
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 250 cd/klm



Klassifizierungen

DIN 5040 B 3 1
CIE N1=39 N2=67 N3=87
N4=89 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 89,0%
 ϕ_o 11,0%

Messbedingungen

DIN EN 13032 und DIN 5032

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		sITeco

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°	249.7	249.7	249.7	249.7	249.7	249.7	249.7	1.5	1.5
5°	249.2	249.0	248.9	248.9	248.9	248.6	248.3	11.9	13.4
10°	246.5	246.5	246.5	246.0	245.5	245.0	244.6	23.4	36.8
15°	242.6	242.6	242.6	241.2	239.9	239.1	238.3	34.2	71.0
20°	237.6	237.4	237.2	235.0	232.8	231.3	229.8	44.0	114.9
25°	231.4	231.0	230.5	227.1	223.8	221.6	219.4	52.5	167.4
30°	223.9	223.0	222.0	217.4	212.7	209.7	206.7	59.4	226.8
35°	215.3	214.0	212.6	206.8	200.9	196.8	192.7	64.7	291.5
40°	205.3	203.7	202.1	195.0	187.8	182.7	177.5	68.3	359.8
45°	193.8	191.9	190.0	181.6	173.2	166.7	160.1	69.8	429.6
50°	182.3	179.9	177.4	167.8	158.2	150.4	142.7	69.7	499.3
55°	170.2	167.4	164.5	153.6	142.7	133.5	124.4	68.0	567.3
60°	157.1	154.0	150.8	138.5	126.1	115.4	104.7	64.5	631.9
65°	144.6	141.2	137.8	124.2	110.6	98.0	85.5	60.2	692.1
70°	131.9	128.3	124.7	110.2	95.8	81.0	66.3	54.9	746.9
75°	119.0	115.0	111.1	96.0	80.9	62.5	44.0	48.3	795.2
80°	106.8	102.9	99.0	83.5	67.9	49.8	31.7	42.5	837.7
85°	95.0	91.2	87.4	74.0	60.5	39.0	17.4	37.1	874.8
90°	83.4	79.7	76.0	61.4	46.8	27.4	8.1	30.8	905.6
95°	69.9	64.9	59.9	48.7	37.5	20.9	4.4	24.5	930.1
100°	59.9	54.9	50.0	38.0	26.1	14.5	2.9	19.3	949.4
105°	53.0	49.1	45.3	33.5	21.6	12.2	2.8	16.7	966.2
110°	45.4	42.3	39.1	28.4	17.7	10.2	2.7	13.9	980.1
115°	38.2	35.7	33.2	23.7	14.2	8.4	2.5	11.2	991.3
120°	31.9	29.5	27.1	19.0	10.8	6.7	2.5	8.7	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									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	21,2	22,9	21,6	23,3	23,7	20,8	22,5	21,2	22,9	23,3
	3H	23,3	24,8	23,7	25,2	25,7	22,5	24,0	22,9	24,5	24,9
	4H	24,3	25,7	24,7	26,2	26,7	23,1	24,6	23,5	25,0	25,5
	6H	25,3	26,6	25,8	27,1	27,6	23,6	25,0	24,1	25,5	26,0
	8H	25,8	27,0	26,3	27,5	28,0	23,9	25,2	24,4	25,6	26,2
	12H	26,2	27,4	26,7	27,9	28,5	24,0	25,3	24,5	25,8	26,3
4H	2H	22,0	23,4	22,4	23,9	24,3	21,6	23,0	22,1	23,5	24,0
	3H	24,2	25,5	24,7	26,0	26,5	23,5	24,7	24,0	25,2	25,8
	4H	25,4	26,5	25,9	27,1	27,6	24,3	25,4	24,8	26,0	26,5
	6H	26,5	27,5	27,1	28,1	28,7	25,0	26,0	25,6	26,6	27,2
	8H	27,1	28,0	27,7	28,6	29,2	25,4	26,3	25,9	26,9	27,5
	12H	27,7	28,5	28,3	29,1	29,7	25,6	26,5	26,2	27,0	27,7
8H	4H	25,8	26,8	26,4	27,3	27,9	24,9	25,8	25,4	26,3	27,0
	6H	27,2	28,0	27,8	28,6	29,2	25,9	26,6	26,4	27,2	27,9
	8H	27,9	28,6	28,5	29,2	29,9	26,3	27,0	26,9	27,6	28,3
	12H	28,6	29,2	29,2	29,8	30,5	26,7	27,4	27,4	28,0	28,7
12H	4H	25,8	26,7	26,4	27,3	27,9	25,0	25,8	25,6	26,4	27,0
	6H	27,3	28,0	27,9	28,6	29,3	26,0	26,7	26,7	27,3	28,0
	8H	28,1	28,7	28,7	29,3	30,0	26,6	27,2	27,3	27,9	28,6

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1443 B = 56	H(C0) = 29	H(C180) = 29	H(C90) = 0	H(C270) = 0
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C-Ebenen	γ	Leuchtdichte in cd/m ²						
		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°		14125.6	14149.0	14506.3	14701.7	15218.1	16256.4	17711.9
50°		13717.6	13710.0	14064.9	14213.0	14709.4	15784.2	17362.5
55°		13341.8	13310.6	13672.6	13751.9	14204.8	15283.7	16960.9
60°		12956.9	12905.2	13278.8	13254.9	13620.9	14653.3	16380.8
65°		12682.1	12606.6	12995.2	12874.0	13164.0	14093.8	15816.0
70°		12453.4	12357.7	12772.5	12563.9	12795.4	13541.0	15156.8
75°		12257.9	12125.9	12558.1	12262.0	12440.0	12579.2	13281.4
80°		12213.3	12077.0	12584.4	12217.3	12390.8	12746.5	14285.1
85°		12317.8	12181.0	12801.3	12799.0	13717.5	13805.7	15595.2

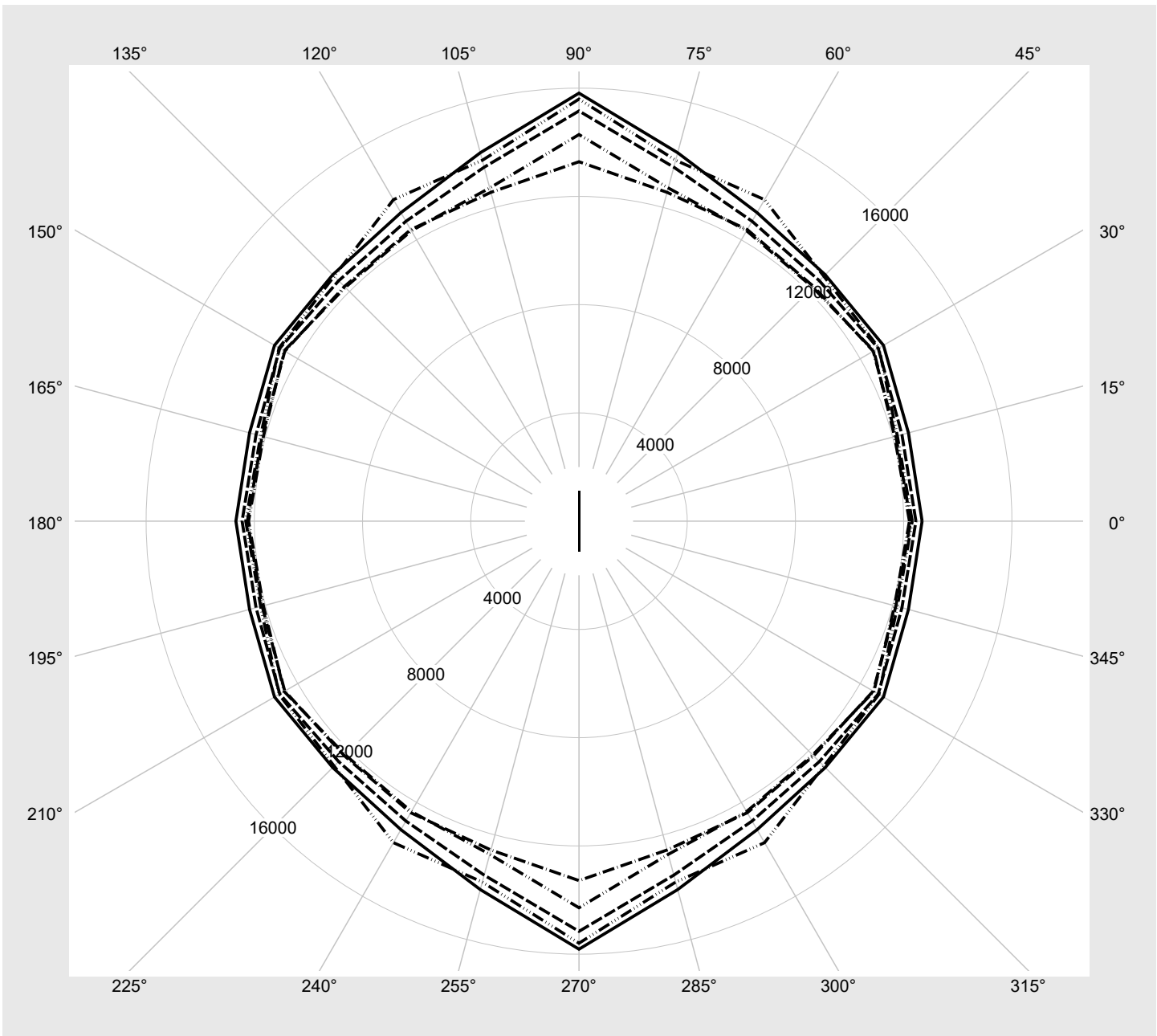
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Leuchtdichten in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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59349_6**Multilumen-Tabelle**

Umgebungstemperatur: 25°C

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DIP-Stufe	Schalterstellung		Lichtstrom [lm]	Systemleistung [W]
	1	2		
3	ON	ON	6320	51.5
2	ON	OFF	5460	43.5
1	OFF	ON	4620	35.5
0	OFF	OFF	3770	28.5