

Lichttechnischer Prüfbefund

Familie
Highbay 21

Bestell-Nr.: 51HK42DB4MCA
EAN: 4058352883532

LP-Nummer
59528_1



Ausführung primäre Lichtlenkung mit Linse, Abdeckung, PC, symmetrisch, breit strahlend, UGR \leq 25

Bestückung LED 4000 K | CRI \geq 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 26500 lm
Systemleistung = 147.0 W
Lichtausbeute = 180.3 lm/W

Seriendokumentation
19.12.2023

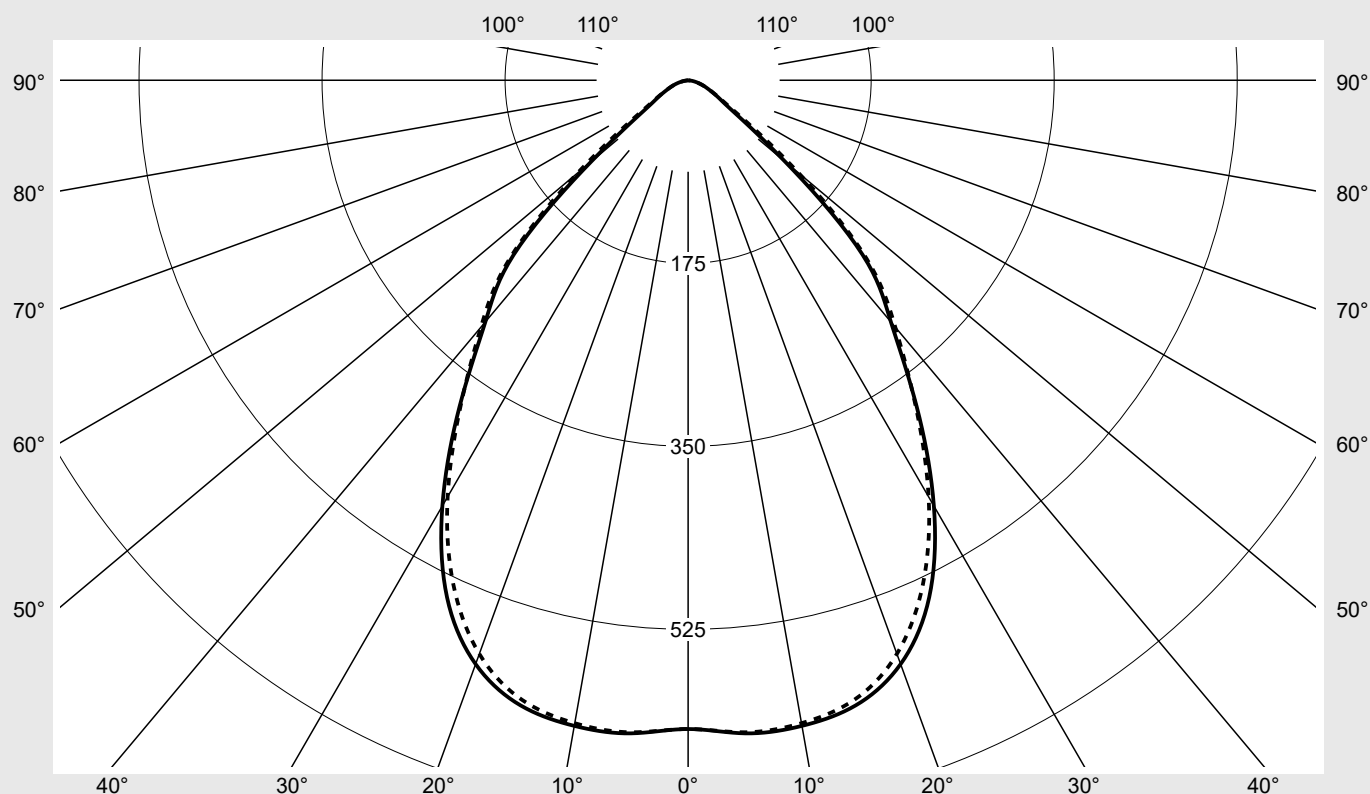
sITeco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 627 cd/klm



Klassifizierungen

DIN 5040 A 6 0
CIE N1=75 N2=96 N3=99
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	sITeco
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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°			
Lichtstärke in cd/klm								Lichtstrom in lm/klm	
γ									
0°	620.3	620.3	620.3	620.3	620.3	620.3	620.3	3.7	3.7
5°	626.8	623.9	618.1	617.7	620.3	621.1	625.8	29.7	33.4
10°	626.8	624.6	619.4	619.0	620.6	620.4	624.2	59.2	92.6
15°	618.8	617.0	612.8	612.3	612.7	610.7	613.3	87.1	179.6
20°	594.1	593.2	589.5	589.1	587.8	583.1	583.7	110.3	289.9
25°	545.4	545.5	544.8	543.8	539.1	532.2	531.4	125.2	415.2
30°	469.9	472.6	477.3	478.3	469.6	461.7	459.9	129.0	544.2
35°	381.1	386.1	393.5	396.6	391.2	381.4	378.9	122.0	666.2
40°	301.6	301.9	301.9	305.0	310.2	308.9	308.1	107.6	773.9
45°	235.9	227.2	214.3	216.7	228.2	237.7	241.4	88.0	861.9
50°	120.9	124.8	133.3	139.7	140.6	139.6	137.8	56.5	918.4
55°	54.6	57.6	65.3	74.7	73.9	67.9	63.6	29.8	948.2
60°	34.1	35.5	40.2	46.3	45.5	40.0	35.9	19.2	967.4
65°	23.4	24.3	27.5	31.5	30.7	27.1	23.9	13.6	981.0
70°	16.2	16.7	18.3	20.2	20.1	18.3	16.0	9.4	990.4
75°	10.2	10.2	10.8	11.9	11.9	11.3	9.6	5.8	996.2
80°	5.0	5.0	5.2	5.8	6.1	5.8	4.0	2.9	999.2
85°	1.5	1.3	1.3	1.9	2.1	1.9	0.0	0.8	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									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	22,2	23,6	22,6	23,9	24,2	22,6	23,9	22,9	24,3	24,6
	3H	22,3	23,5	22,7	23,9	24,2	22,7	23,9	23,0	24,2	24,6
	4H	22,3	23,5	22,7	23,8	24,2	22,7	23,8	23,1	24,2	24,5
	6H	22,3	23,4	22,8	23,7	24,1	22,7	23,7	23,1	24,1	24,5
	8H	22,4	23,3	22,8	23,7	24,1	22,7	23,6	23,1	24,0	24,4
	12H	22,4	23,2	22,8	23,6	24,0	22,7	23,5	23,1	23,9	24,3
4H	2H	22,3	23,4	22,7	23,8	24,1	22,6	23,7	23,0	24,1	24,4
	3H	22,5	23,4	22,9	23,8	24,2	22,8	23,7	23,2	24,1	24,5
	4H	22,5	23,3	23,0	23,8	24,2	22,8	23,7	23,3	24,1	24,5
	6H	22,5	23,2	23,0	23,7	24,1	22,9	23,6	23,3	24,0	24,5
	8H	22,5	23,2	23,0	23,6	24,1	22,9	23,5	23,3	23,9	24,4
	12H	22,5	23,1	23,0	23,5	24,0	22,8	23,4	23,3	23,9	24,4
8H	4H	22,5	23,1	23,0	23,6	24,1	22,8	23,5	23,3	23,9	24,4
	6H	22,5	23,1	23,0	23,5	24,0	22,9	23,4	23,4	23,9	24,4
	8H	22,5	23,0	23,0	23,5	24,0	22,9	23,3	23,4	23,8	24,3
	12H	22,5	22,9	23,0	23,4	23,9	22,8	23,2	23,4	23,7	24,3
12H	4H	22,5	23,1	23,0	23,5	24,0	22,8	23,4	23,3	23,8	24,3
	6H	22,5	23,0	23,0	23,5	24,0	22,9	23,3	23,4	23,8	24,3
	8H	22,5	22,9	23,0	23,4	23,9	22,8	23,2	23,4	23,7	24,3

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 450 B = 386
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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°		50888.4	49025.0	46244.9	46749.4	49240.5	51275.5	52078.5
50°		28685.2	29615.8	31631.1	33162.2	33359.2	33136.1	32710.3
55°		14520.6	15320.9	17355.7	19856.5	19653.0	18055.0	16904.6
60°		10405.9	10831.9	12256.5	14127.2	13870.3	12214.1	10944.5
65°		8429.5	8754.4	9910.3	11353.6	11074.9	9764.8	8619.4
70°		7236.0	7442.1	8182.1	9026.5	8987.7	8171.8	7147.2
75°		5986.5	5986.5	6389.7	7002.7	6996.2	6679.1	5641.7
80°		4405.1	4405.1	4538.7	5067.6	5364.5	5103.6	3532.7
85°		2618.7	2249.3	2280.8	3395.9	3725.0	3366.1	0.0

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Leuchtdichten in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

