

Lichttechnischer Prüfbefund

Familie
Highbay 11

Bestell-Nr.: 51HLA1D14FCA
EAN: 4058352321720

LP-Nummer
58918_2



Ausführung eng strahlend, UGR≤22
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Bemessungswerte Nettolichtstrom = 14060 lm
Systemleistung = 81.2 W
Lichtausbeute = 173.2 lm/W

Seriendokumentation
21.05.2019

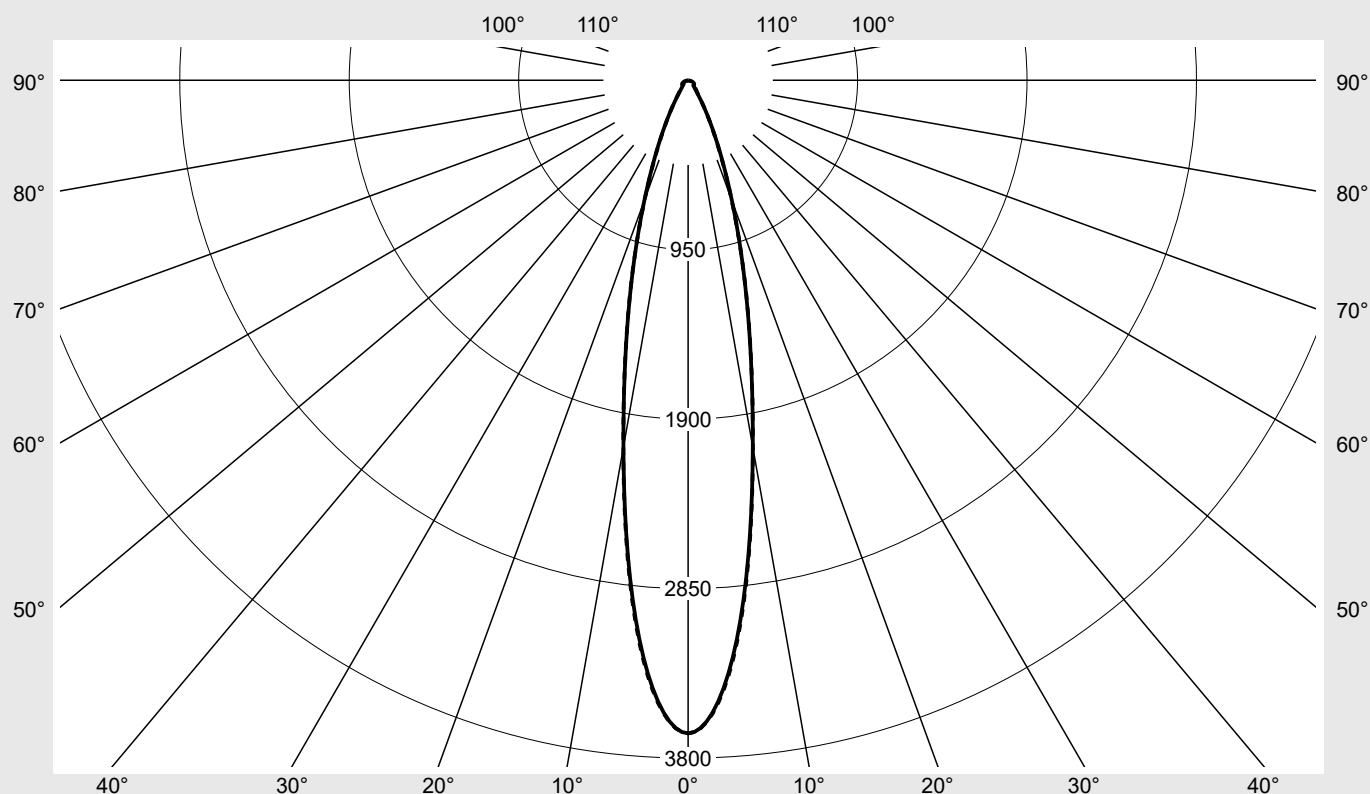
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 3662 cd/klm



Klassifizierungen

DIN 5040 A 7 0
CIE N1=88 N2=95 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°	3661.5	3661.5	3661.5	3661.5	3661.5	3661.5	3661.5	21.9	21.9
5°	3142.6	3138.8	3148.7	3152.8	3150.8	3162.1	3157.3	150.5	172.4
10°	2088.2	2082.4	2095.8	2102.6	2097.1	2098.1	2092.4	199.3	371.8
15°	1265.5	1263.0	1272.3	1276.0	1271.9	1272.7	1269.2	180.2	552.0
20°	717.4	718.4	730.4	738.2	732.8	722.5	712.3	136.1	688.1
25°	380.2	383.6	397.1	405.5	395.8	382.2	373.9	90.4	778.5
30°	189.9	192.8	203.8	209.2	205.7	196.2	189.8	54.7	833.2
35°	93.4	93.2	98.1	106.1	108.6	103.6	99.4	31.8	865.0
40°	56.8	57.1	60.0	67.1	71.1	71.1	70.3	22.9	887.9
45°	41.2	40.8	44.9	50.9	50.2	47.6	46.5	18.0	905.9
50°	41.3	41.9	46.2	48.9	40.8	33.1	32.5	17.3	923.2
55°	41.3	42.1	45.2	43.2	36.0	29.8	29.9	17.4	940.6
60°	39.0	39.2	40.5	39.6	33.4	27.4	27.5	16.9	957.4
65°	33.8	33.6	34.5	34.8	29.3	24.3	24.5	15.4	972.8
70°	26.5	26.3	27.0	27.6	23.9	20.0	20.0	12.7	985.5
75°	15.9	16.7	18.0	19.3	17.3	15.5	15.6	9.0	994.6
80°	6.4	6.9	7.9	9.2	9.9	9.6	10.9	4.7	999.3
85°	0.5	0.5	0.6	1.0	1.8	2.4	3.4	0.7	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	16,7	17,9	17,1	18,2	18,5	15,5	16,6	15,8	16,9	17,2
	3H	18,6	19,6	19,0	19,9	20,3	17,1	18,0	17,5	18,4	18,7
	4H	19,2	20,1	19,6	20,4	20,8	17,8	18,7	18,2	19,0	19,4
	6H	19,4	20,2	19,8	20,6	21,0	18,4	19,3	18,9	19,6	20,0
	8H	19,5	20,2	19,9	20,6	21,0	18,8	19,5	19,2	19,8	20,2
	12H	19,5	20,1	19,9	20,5	20,9	18,8	19,5	19,3	19,9	20,3
4H	2H	17,5	18,4	17,9	18,8	19,2	16,6	17,5	17,0	17,9	18,3
	3H	19,5	20,3	20,0	20,7	21,1	18,4	19,1	18,8	19,5	19,9
	4H	20,2	20,9	20,6	21,3	21,7	19,1	19,8	19,6	20,2	20,7
	6H	20,5	21,1	20,9	21,5	22,0	19,8	20,4	20,3	20,8	21,3
	8H	20,5	21,0	21,0	21,5	21,9	20,1	20,6	20,5	21,0	21,5
	12H	20,5	20,9	21,0	21,4	21,9	20,1	20,6	20,6	21,0	21,5
8H	4H	20,5	21,0	21,0	21,4	21,9	19,6	20,1	20,1	20,6	21,0
	6H	20,9	21,3	21,4	21,7	22,2	20,4	20,8	20,9	21,3	21,8
	8H	20,8	21,2	21,4	21,7	22,2	20,6	21,0	21,1	21,5	22,0
	12H	20,8	21,1	21,3	21,6	22,2	20,7	21,0	21,2	21,5	22,1
12H	4H	20,5	20,9	21,0	21,4	21,9	19,6	20,0	20,1	20,5	21,0
	6H	20,8	21,2	21,3	21,7	22,2	20,4	20,7	20,9	21,2	21,8
	8H	20,9	21,2	21,4	21,7	22,2	20,6	20,9	21,1	21,4	22,0

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$

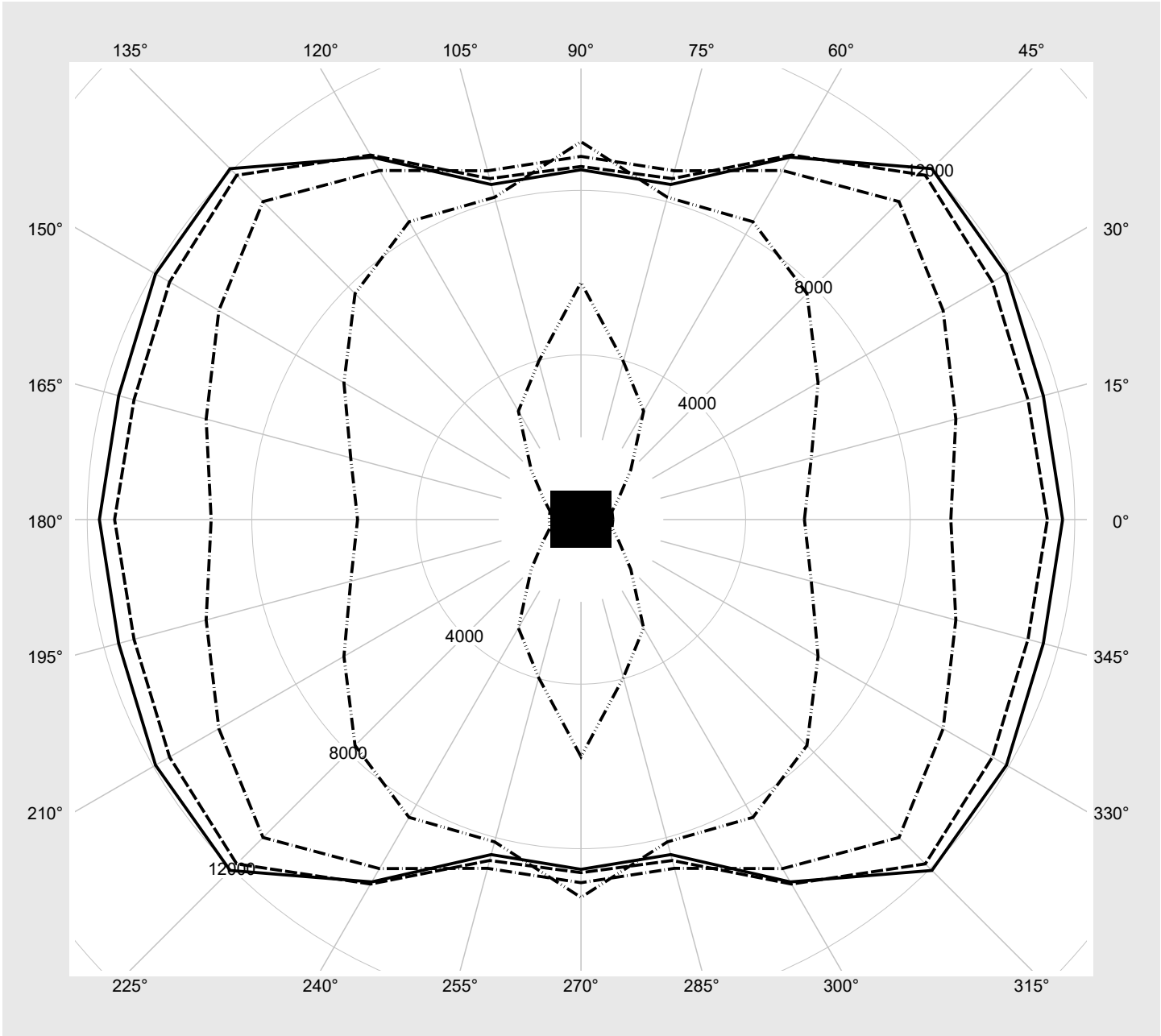
Lichttechnische Abmessungen in mm: L = 300, B = 320

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°		8526.4	8443.6	9306.7	10541.5	10400.9	9861.8	9630.2	
50°		9419.7	9555.3	10518.0	11145.0	9289.6	7548.4	7403.5	
55°		10554.1	10748.4	11549.4	11020.1	9183.4	7604.6	7645.7	
60°		11427.6	11481.5	11851.4	11605.4	9790.7	8026.5	8061.9	
65°		11704.7	11632.6	11940.0	12061.0	10169.9	8430.5	8501.6	
70°		11335.3	11246.7	11546.0	11834.6	10229.2	8578.9	8581.9	
75°		8988.3	9431.4	10163.1	10929.2	9796.4	8776.1	8826.5	
80°		5429.9	5794.3	6652.9	7766.2	8358.3	8110.3	9184.0	
85°		774.7	779.7	1065.4	1712.3	3043.2	3977.6	5763.8	

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Leuchtdichten in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



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Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	sITeco
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	14060	81.2
95	241	252	13357	76.8
90	227	250	12654	72.5
85	214	248	11951	68.4
80	201	245	11248	64.2
75	188	243	10545	60.0
70	175	240	9842	56.0
65	162	237	9139	51.9
60	149	234	8436	48.0
55	136	231	7733	44.1
50	124	228	7030	40.1
45	111	224	6327	36.3
40	99	219	5624	32.5
35	86	215	4921	28.8
30	74	209	4218	25.1
25	62	203	3515	21.3
20	50	195	2812	17.6
15	38	185	2109	14.0
10	26	170	1405	10.4