

Lichttechnischer Prüfbefund

Familie
Highbay 21

Bestell-Nr.: 51HLA1D14FCB
EAN: 4058352417874

LP-Nummer
58918_14



Ausführung eng strahlend, UGR≤22
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Bemessungswerte Nettolichtstrom = 13470 lm
 Systemleistung = 85.5 W
 Lichtausbeute = 157.5 lm/W

Seriendokumentation
01.07.2020

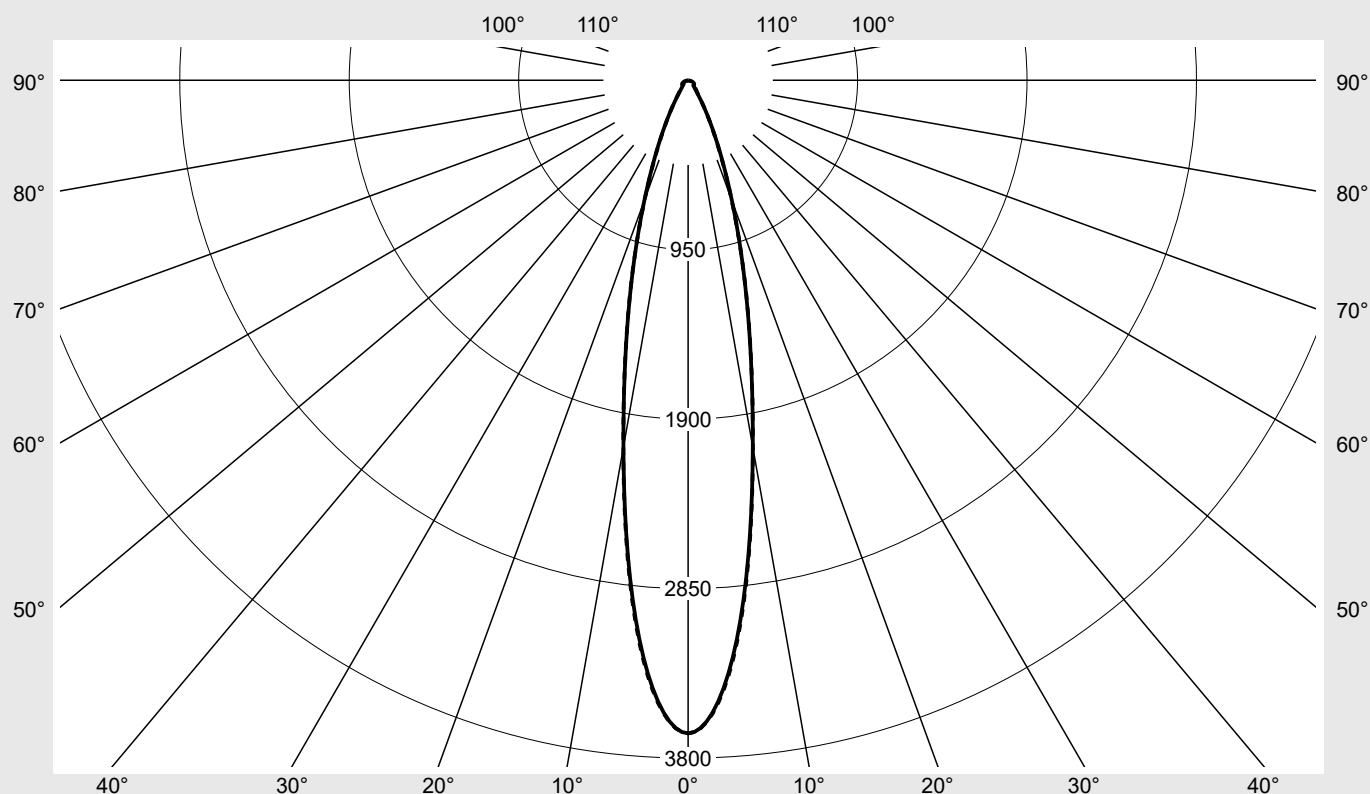
siteco

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

Lichttechnischer Prüfbefund

Familie Highbay 21	Bestell-Nr.: 51HLA1D14FCB EAN: 4058352417874	LP-Nummer 58918_14
------------------------------	---------------------------------------------------------------	------------------------------

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	
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

Lichttechnischer Prüfbefund

Familie Highbay 21	Bestell-Nr.: 51HLA1D14FCB EAN: 4058352417874	LP-Nummer 58918_14
------------------------------	---------------------------------------------------------------	------------------------------

UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	16,6	17,7	16,9	18,0	18,3	15,3	16,5	15,7	16,8	17,1
	3H	18,5	19,4	18,9	19,8	20,1	16,9	17,9	17,3	18,2	18,6
	4H	19,0	19,9	19,4	20,3	20,7	17,6	18,5	18,0	18,9	19,3
	6H	19,3	20,1	19,7	20,5	20,9	18,3	19,1	18,7	19,5	19,9
	8H	19,4	20,1	19,8	20,4	20,8	18,6	19,3	19,0	19,7	20,1
	12H	19,3	20,0	19,7	20,4	20,8	18,7	19,3	19,1	19,7	20,1
4H	2H	17,4	18,3	17,8	18,6	19,0	16,5	17,4	16,9	17,8	18,1
	3H	19,4	20,1	19,8	20,5	20,9	18,2	19,0	18,6	19,4	19,8
	4H	20,0	20,7	20,5	21,1	21,6	19,0	19,7	19,4	20,1	20,5
	6H	20,3	20,9	20,8	21,3	21,8	19,7	20,3	20,1	20,7	21,2
	8H	20,4	20,9	20,8	21,3	21,8	19,9	20,4	20,4	20,9	21,4
	12H	20,3	20,8	20,8	21,2	21,7	20,0	20,4	20,5	20,9	21,4
8H	4H	20,3	20,8	20,8	21,3	21,8	19,5	20,0	19,9	20,4	20,9
	6H	20,7	21,1	21,2	21,6	22,1	20,3	20,6	20,8	21,1	21,6
	8H	20,7	21,1	21,2	21,6	22,1	20,5	20,8	21,0	21,3	21,8
	12H	20,6	21,0	21,2	21,5	22,0	20,5	20,8	21,1	21,4	21,9
12H	4H	20,3	20,8	20,8	21,2	21,7	19,5	19,9	19,9	20,4	20,9
	6H	20,7	21,1	21,2	21,5	22,1	20,2	20,6	20,7	21,1	21,6
	8H	20,7	21,0	21,2	21,5	22,1	20,5	20,8	21,0	21,3	21,8

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

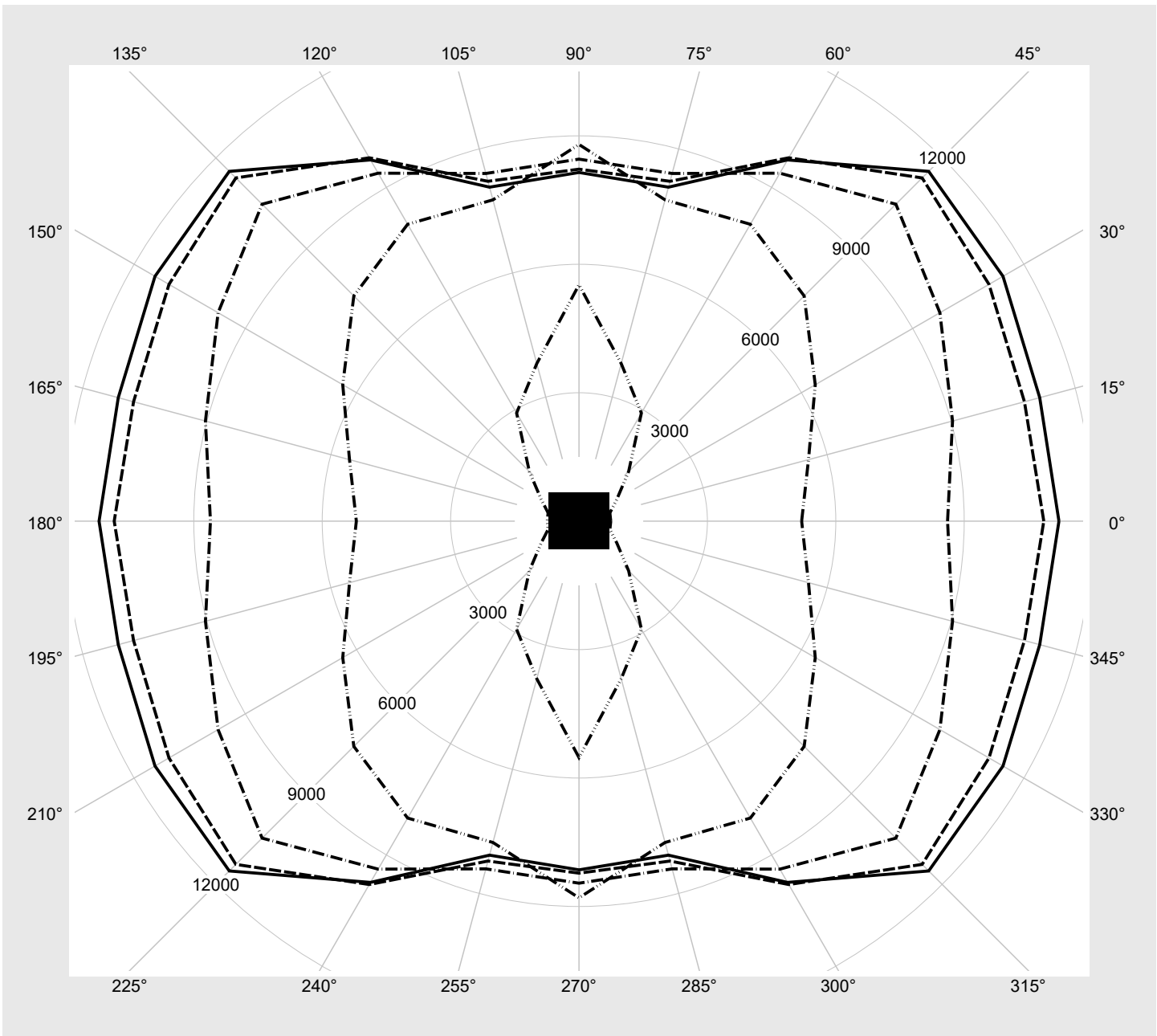
Lichttechnische Abmessungen in mm: L = 300, B = 320

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°		8168.6	8089.3	8916.1	10099.2	9964.5	9447.9	9226.1	
50°		9024.4	9154.3	10076.6	10677.3	8899.8	7231.6	7092.8	
55°		10111.2	10297.3	11064.7	10557.6	8798.0	7285.5	7324.9	
60°		10948.0	10999.7	11354.1	11118.4	9379.9	7689.7	7723.6	
65°		11213.6	11144.5	11439.0	11554.9	9743.1	8076.8	8144.8	
70°		10859.6	10774.7	11061.5	11338.0	9800.0	8218.9	8221.7	
75°		8611.1	9035.6	9736.6	10470.6	9385.3	8407.8	8456.1	
80°		5202.1	5551.1	6373.7	7440.3	8007.6	7770.0	8798.6	
85°		742.2	747.0	1020.7	1640.5	2915.5	3810.6	5522.0	

Lichttechnischer Prüfbefund

Familie Highbay 21	Bestell-Nr.: 51HLA1D14FCB EAN: 4058352417874	LP-Nummer 58918_14
-------------------------------------	---------------------------------------------------------------	-------------------------------------

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



Lichttechnischer Prüfbefund

Familie Highbay 21	Bestell-Nr.: 51HLA1D14FCB EAN: 4058352417874	LP-Nummer 58918_14
------------------------------	---------------------------------------------------------------	------------------------------

Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	sITeco
---------------------------	---------------------------	---------------

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	13470	85.5
95	240	252	12791	80.6
90	227	250	12145	76.0
85	213	248	11448	71.1
80	200	245	10794	66.7
75	186	243	10083	61.8
70	173	240	9412	57.3
65	160	237	8738	52.9
60	148	234	8105	48.7
55	135	231	7415	44.4
50	122	227	6718	39.9
45	110	223	6069	35.9
40	97	219	5362	31.5
35	85	214	4705	27.6
30	73	208	4041	23.6
25	61	202	3373	19.7
20	49	194	2697	15.8
15	37	183	2017	11.8
10	25	169	1332	8.0
5	14	148	699	4.4
1	5	110	178	1.6