

Lichttechnischer Prüfbefund

Familie
Highbay 11

Bestell-Nr.: 51HLA2D34SCA + 59HL91001
EAN: 4058352474860 + 4058352323519

LP-Nummer
58924_26

Ausführung breit strahlend, UGR≤22,
Einscheibensicherheitsglas (ESG)
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Bemessungswerte Nettolichtstrom = 47390 lm
Systemleistung = 284.2 W
Lichtausbeute = 166.7 lm/W

Seriendokumentation
04.05.2021

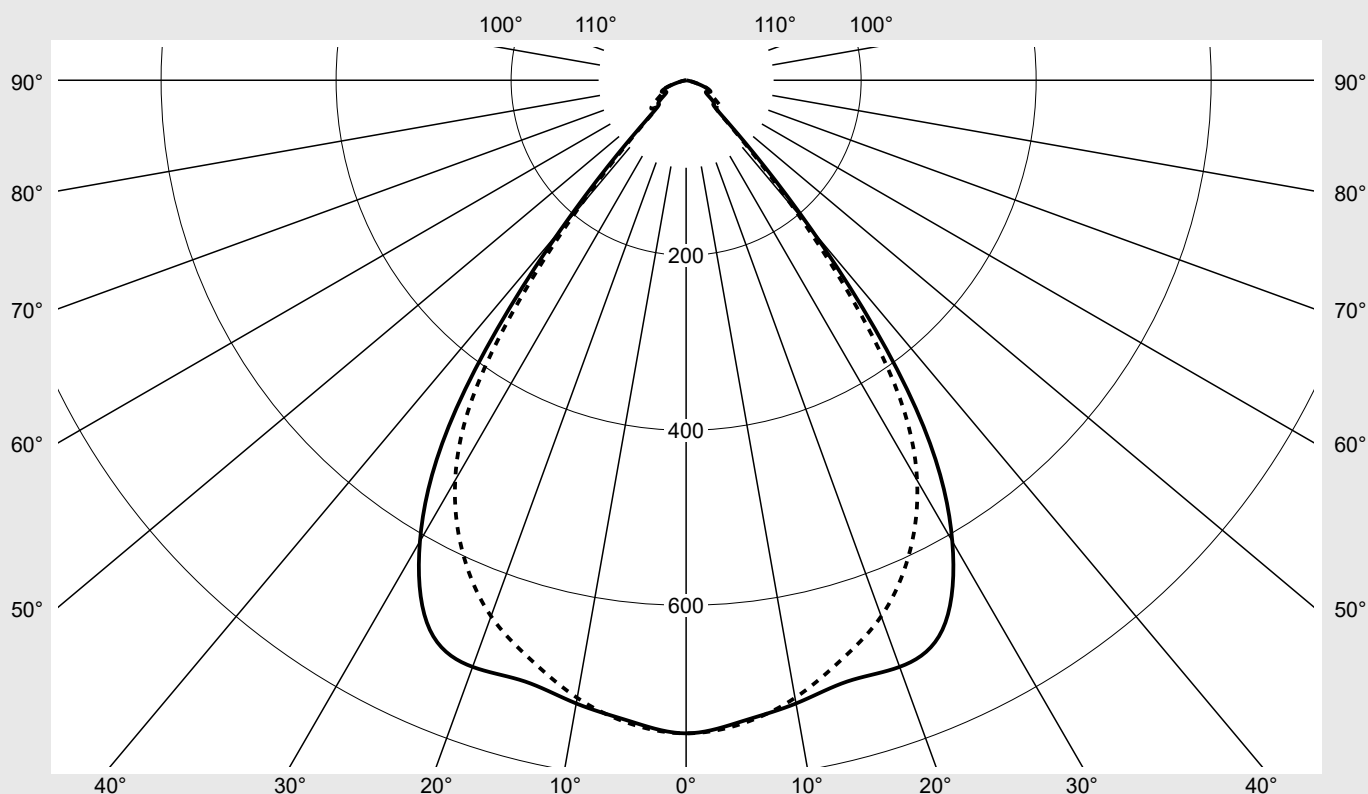
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 746 cd/klm



Klassifizierungen

DIN 5040 A 6 0
CIE N1=88 N2=97 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

Lichttechnischer Prüfbefund

Familie Highbay 11	Bestell-Nr.: 51HLA2D34SCA + 59HL91001 EAN: 4058352474860 + 4058352323519	LP-Nummer 58924_26
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°			
γ									
Lichtstärke in cd/klm									
Lichtstrom in lm/klm									
0°	746.3	746.3	746.3	746.3	746.3	746.3	746.3	4.5	4.5
5°	735.3	737.5	739.7	739.9	738.3	739.6	738.0	35.3	39.7
10°	723.2	726.6	729.4	728.5	722.4	719.9	716.7	69.0	108.7
15°	711.3	717.1	725.5	723.9	708.1	693.6	685.6	100.9	209.6
20°	713.4	718.0	728.3	720.4	690.5	663.2	651.9	131.3	340.9
25°	693.0	694.9	704.2	693.3	653.0	614.7	601.0	154.7	495.6
30°	608.4	605.8	624.6	634.7	585.4	537.6	527.9	162.4	658.1
35°	457.7	465.3	511.3	544.0	482.6	417.8	402.1	149.4	807.5
40°	223.2	249.0	306.2	349.8	284.7	219.8	194.6	95.0	902.5
45°	63.3	67.7	80.1	90.2	68.6	60.3	58.8	27.6	930.1
50°	41.6	37.0	34.8	39.2	39.3	44.2	50.6	16.8	947.0
55°	31.4	29.8	26.5	27.8	29.3	36.0	43.6	14.0	961.0
60°	26.5	29.7	26.3	21.9	21.3	25.9	33.0	12.2	973.2
65°	30.8	23.4	22.4	19.4	17.1	22.6	29.4	11.2	984.4
70°	22.6	17.1	16.5	15.8	14.1	17.3	23.9	8.9	993.3
75°	9.7	7.3	8.1	9.4	9.5	10.1	9.9	4.8	998.1
80°	2.5	2.3	2.6	3.2	3.7	3.7	3.7	1.7	999.8
85°	0.2	0.2	0.3	0.3	0.6	0.6	0.7	0.2	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 11	Bestell-Nr.: 51HLA2D34SCA + 59HL91001 EAN: 4058352474860 + 4058352323519	LP-Nummer 58924_26
------------------------------	---	------------------------------

UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	21,1	22,4	21,5	22,7	23,1	20,7	22,0	21,0	22,3	22,6
	3H	21,4	22,6	21,8	22,9	23,3	21,0	22,2	21,4	22,5	22,9
	4H	21,5	22,5	21,9	22,9	23,3	21,1	22,2	21,5	22,5	22,9
	6H	21,5	22,4	21,9	22,8	23,2	21,1	22,1	21,6	22,5	22,9
	8H	21,5	22,3	22,0	22,7	23,1	21,2	22,0	21,6	22,4	22,8
	12H	21,5	22,2	21,9	22,6	23,1	21,2	21,9	21,6	22,3	22,7
4H	2H	21,1	22,1	21,5	22,5	22,8	20,6	21,7	21,0	22,0	22,4
	3H	21,4	22,3	21,9	22,7	23,1	21,0	21,9	21,5	22,3	22,7
	4H	21,5	22,3	22,0	22,7	23,1	21,2	22,0	21,6	22,4	22,8
	6H	21,5	22,1	22,0	22,6	23,0	21,2	21,9	21,7	22,3	22,8
	8H	21,5	22,0	21,9	22,5	23,0	21,2	21,8	21,7	22,2	22,7
	12H	21,5	21,9	22,0	22,4	22,9	21,2	21,7	21,7	22,2	22,7
8H	4H	21,5	22,1	22,0	22,5	23,0	21,2	21,8	21,7	22,2	22,7
	6H	21,4	21,9	21,9	22,4	22,9	21,2	21,7	21,7	22,2	22,7
	8H	21,4	21,8	21,9	22,3	22,8	21,2	21,6	21,7	22,1	22,6
	12H	21,4	21,7	21,9	22,2	22,8	21,2	21,5	21,7	22,0	22,6
12H	4H	21,5	22,0	22,0	22,4	22,9	21,2	21,7	21,7	22,1	22,6
	6H	21,4	21,8	22,0	22,3	22,8	21,2	21,6	21,7	22,1	22,6
	8H	21,4	21,7	21,9	22,2	22,8	21,2	21,5	21,7	22,0	22,6

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 885 B = 312
--	--

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°		15369.2	16425.0	19452.2	21904.7	16647.6	14633.0	14263.1
50°		11116.0	9884.3	9278.7	10469.8	10504.0	11812.4	13502.0
55°		9391.2	8907.9	7926.8	8306.8	8762.2	10776.6	13044.4
60°		9090.1	10183.7	9023.9	7534.1	7313.8	8877.0	11324.7
65°		12491.0	9494.4	9087.9	7885.4	6958.2	9172.3	11938.3
70°		11321.8	8568.9	8292.9	7905.0	7098.1	8694.3	11985.7
75°		6422.3	4859.3	5351.4	6259.9	6298.3	6702.8	6543.7
80°		2468.0	2240.6	2607.3	3196.4	3668.8	3669.8	3684.6
85°		437.2	443.1	506.1	667.6	1089.0	1189.4	1305.6

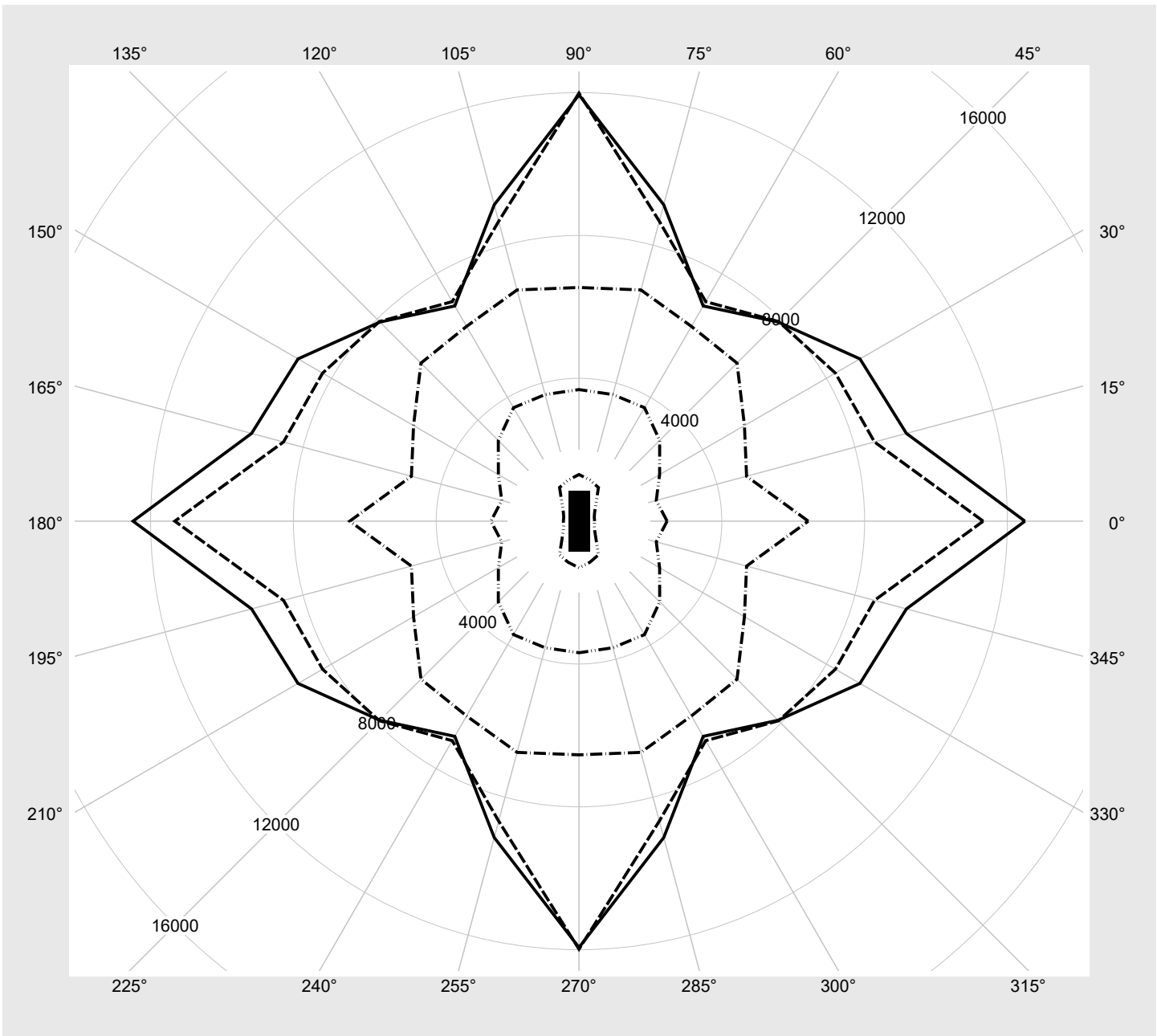
Lichttechnischer Prüfbefund

Familie Highbay 11	Bestell-Nr.: 51HLA2D34SCA + 59HL91001 EAN: 4058352474860 + 4058352323519	LP-Nummer 58924_26
-------------------------------------	---	-------------------------------------

Leuchtdichten in cd/m²

γ 65°
γ 70°
γ 75°
γ 80°
γ 85°

siteco



Lichttechnischer Prüfbefund

Familie Highbay 11	Bestell-Nr.: 51HLA2D34SCA + 59HL91001 EAN: 4058352474860 + 4058352323519	LP-Nummer 58924_26
------------------------------	---	------------------------------

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

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	47390	284.2
95	240	252	44960	268.2
90	227	250	42675	253.5
85	213	247	40198	237.5
80	200	245	37873	222.6
75	187	243	35527	208.3
70	174	240	33167	193.8
65	161	237	30780	179.6
60	148	234	28381	165.4
55	136	231	26133	152.1
50	123	228	23693	138.1
45	111	224	21420	125.0
40	98	220	18939	111.2
35	86	215	16631	98.2
30	74	210	14300	85.6
25	61	204	11762	72.1
20	49	197	9402	59.3
15	37	188	7024	46.7
10	26	177	4818	35.0
5	14	161	2405	22.4