



IL 850D LED Inset Light 12"

IL 852D

Bi-directional (Non switchable)

IL 853D

Bi-directional (Directionally switchable)

Colors

white – yellow – red

Application

Inset LED light used for runway edge high intensity up to CAT-III operations.

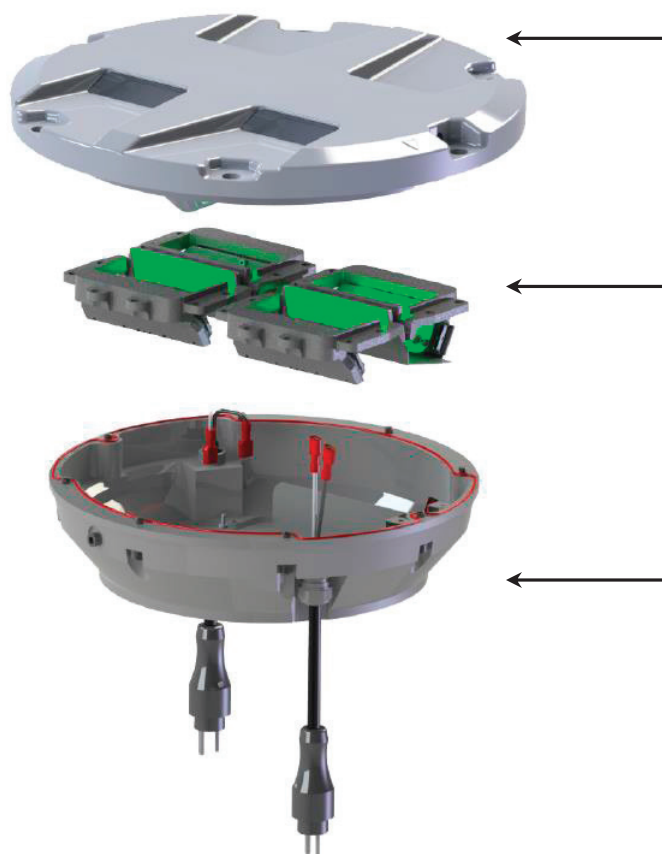
Specification

ICAO Annex 14, Vol. I
IEC TS 61827
FAA EB 67D

Features

- Robust aluminum drop-forged housing
- Watertight compression proof silicon putty (Protection Class IP68)
- Smooth flat design (6.35 mm)
- Low outlet light slope of 25°
- Large outlet area 2x >1'200 mm²
- Interchangeable product concept
- Same lens for all variants
- Secure fail-open function (external reset)
- Remote brightness parameterization
- Auto current select (2.2/ 6.6 A)
- Integrated power factor correction (PFC)
- Power factor > 0.9
- Wattage range 25..74 VA
- Nominal lifetime > 50'000hours
- Temperature range -40° to +85°C

Modular Design



Upper Part Assembly

- Aluminum drop forged cover
- Lens with parallel surface constraint
- Compression proof silicon putty

Light-Engine

- Uniform aluminum bracket
- LED-PCB
- Lens array
- Reflector

Lower Part Assembly

- Aluminum cast housing
- Embedded resin sealed electronic
- Flexible cable groups

Packaging Data

Article	Weight	Dimensions
IL 850D	7.2 kg	310 x 310 x 125 mm

Replacement Parts

- Upper part assembly
- Light-Engine
- Lower part assembly (without cable)
- Cable with plug
- O-Ring seal and screw kit (for 20 fixtures)

*All parts come with corresponding seals, spacers and screws

Photometry and Power Consumption (Typical Data)

ERNI	Beam shape	Color	Performance (Typical Data)			
			Power consumption per beam 6,6 A / 2,2 A	Main Beam		Secondary Beam
				Average Intensity	Minimum Intensity	Minimum Intensity
IL 850D	REH	White	37 W / 35 W	10'173 cd	5'229 cd	1'781 cd
		Yellow	22 W / 20W	5'800 cd	3'000 cd	500 cd
		Red	22 W / 20 W	2'040 cd	1'051 cd	356 cd

Toe-In hor. [°]	Spektrifikation	Feldmontage	Messung	Auswertung	Meldungen	Korrektur
0	0	0	0	0	OK	0
vert. [°]	0	0	0	0	OK	0

MessNr.: S5045	Feuer Typ: IL825D REH (A2-10) r	Strahl	1
Mess Datum: 26.01.2013	Art Nr: 853.005		

VRH	-20	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
18	548	435	8	862	52	258	840	715	325	656	493	072	059	424	488	477	858	951	826	552	355	204	543	122	435	166	689	204	259	161	467	22	899	686	122	935	802	974	658	274	561	
17	891	313	797	077	836	907	339	118	317	97	532	975	308	445	094	02	087	2201	635	808	455	23	797	982	385	928	211	934	61	469	325	594	872	659	226	613	124	186	883	651	419	
16	407	844	125	677	979	011	745	731	154	778	636	776	612	353	388	284	226	187	001	94	455	383	624	27	507	638	708	833	456	332	28	142	973	475	743	024	717	289	485	965	708	
15	438	003	173	459	23	409	409	932	336	539	632	719	194	105	114	63	937	14	317	184	137	176	115	676	103	525	122	3	504	218	27	840	25	279	356	942	749	134	708	613		
14	558	591	513	195	318	081	515	871	123	156	193	212	313	345	425	448	692	754	115	115	143	101	581	42	383	335	186	163	142	115	116	452	114	10	103	859	564	1	826	327	797	
13	936	018	246	603	182	177	516	156	95	173	327	631	826	913	141	183	279	347	436	504	425	411	389	247	216	873	523	763	763	278	195	158	11	242	964	762	884	333	007	84	655	
12	286	75	407	584	032	975	288	11	185	383	631	128	178	200	314	444	680	807	938	1089	1004	993	837	693	819	371	286	286	188	132	588	264	957	27	621	033	042	285	223	657	24	
11	636	197	419	484	351	045	689	139	363	712	119	172	193	314	506	778	968	1210	1277	1351	1429	1432	1276	1310	1010	713	431	338	317	237	113	30	289	797	124	722	368	259	609	013	644	
10	817	58	225	367	944	165	8	19	51	943	162	209	316	497	693	1006	1397	1607	1688	1723	1794	1877	1743	1620	1467	991	710	483	384	314	164	653	306	101	287	102	866	10	826	38	239	
9	712	857	514	118	61	139	919	38	749	116	189	256	422	681	931	1220	1620	1731	1826	2084	2284	2033	2056	1994	1482	846	64	626	388	280	116	381	187	204	167	256	108	632	378	796		
8	325	705	223	881	554	135	25	465	773	160	203	344	545	751	1068	1661	1926	2207	2593	2389	2429	2301	2216	2294	2146	1611	149	674	666	407	303	163	552	148	32	136	774	688	623	62	478	
7	204	228	144	136	538	736	322	445	101	162	251	424	693	936	1231	1713	2126	2320	2362	2396	2465	2461	2459	2135	1993	1316	802	621	483	382	182	938	378	151	229	779	516	132	113	039		
6	716	154	378	62	381	532	335	763	111	191	328	486	692	950	1416	1991	2332	2419	2629	2681	2760	2700	2480	2384	2381	1832	1399	843	656	548	346	191	916	536	183	108	11	153	768	132	131	
5	53	409	783	95	177	294	313	76	121	176	274	515	62	529	1484	1987	2348	2412	2688	2777	2793	2778	2487	2486	2280	1868	1411	833	654	549	407	214	978	355	26	16	507	14	121	15	511	
4	637	153	11	113	354	193	445	763	116	176	321	485	693	965	1381	1848	2344	2516	2680	2816	2845	2824	2416	2388	2164	1838	1238	796	631	524	387	192	783	38	279	144	116	881	148	145	115	
3	162	949	165	6	183	834	345	845	111	176	277	431	653	787	1081	1610	2141	2648	2980	3035	2610	2422	2088	2112	2038	1680	1084	653	573	486	316	138	91	418	214	191	198	133	119	134	382	
2	122	154	103	176	204	219	46	683	894	134	211	372	482	660	943	1288	1780	1888	1778	1978	2016	2004	1886	1788	1646	1304	829	403	446	402	271	101	476	263	215	193	77	172	133	448	126	
1	16	154	17	169	787	319	214	383	689	932	164	253	332	449	633	762	1242	1418	1482	1622	1647	1489	1613	1485	1214	918	630	392	376	284	209	649	287	265	281	217	23	459	161	13	14	
0	85	738	115	934	148	193	736	255	478	671	983	139	256	332	366	386	674	1029	1111	1170	1168	1172	1074	1074	827	652	366	290	287	194	131	552	222	203	276	472	161	124	139	137	588	
-1	69	146	165	119	106	175	149	295	351	374	645	957	1319	1739	2159	2579	2999	3419	3839	4259	4679	5099	5519	5939	6359	6779	7199	7619	8039	8459	8879	9299	9719	10139	10559	10979	11399	11819	12239	12659	13079	13499

Auswertung Bereich	Spezifikation: ICAO Ann.14, Vol.1, Fig. A2-10 r REH 60m width					
	Sollwertkurven			Auswertung Messung		
	Limit/Horiz. 0	Mitte V	Rad a	Mittelwert	Minimum	Maximum
1 Mainbeam	0	3.5	6.5	1500	750	2843
2 Second beam	0	3.5	8.5	150	150	356
3 Outer beam	0	3.5	10	75	75	159

* We reserve the right to change technical data, prices and details at any point in time. Errors may occur.

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Toe-in hor. [°]	Spezifikation	Feldmontage	Messung	Auswertung	Meldungen	Korrektur
vert. [°]	0	0	0	0	ok	0

MessNr.: S5026	Feuer Typ: IL853D REH (A2-10 - 60m spacing) w	Strahl 1
Mess Datum: 26.01.2013	Art Nr: 853.001	

V/H	-20	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Auswertung Bereich	Spezifikation: ICAO Ann.14, Vol.1, Fig. A2-10 w REH 60m width				Sollwerte			Auswertung Messung		
	Limit/Unten: 0	Mitte V	Mitte H	Form: Ellipse	Mittelwert	Minimum	Maximum	Mittelwert	Minimum	Maximum
1 Mainbeam	0	3.5	6.5	Rad b	10000	5000	3	10173	5229	14189
2 Second beam	0	3.5	8.5	6		1000			1781	
3 Outer beam	0	3.5	10	8.5		500			771	

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Toe-in	Spezifikation	Feldmontage	Messung	Auswertung	Meldungen	Korrektur
hor. [°]	-4.5	0	-4.5	0	ok	0
vert. [°]	0	0	0	0	ok	0

MessNr.: 12819	Feuer Typ: IL 853D-REH-2/6.6A-to-w/w	Strahl 1
Mess Datum: 06.01.2015	Art Nr. 853.001	
Bemerkungen:		

Winkel in Grad, Messwerte in Candela																																													
Winkel	-20	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20				
18	23.8	27.2	28.6	32.4	37.2	41.5	51	58.2	68.6	85.4	102	123	147	174	209	243	281	324	361	397	383	357	321	284	245	208	177	151	125	104	87.3	72	60.1	51.5	42	40.5	35.3	32	28.1	25.8	24.8				
17	23.8	24.3	28.1	32	33.9	41	45.1	59.1	72.5	87.8	106	129	155	180	226	256	315	365	421	452	441	402	352	302	256	215	180	149	124	104	83.5	68.7	55.8	48.2	43.4	36.7	33.4	31	26.7	25.8	23.8				
16	23.8	24.8	28.7	30.5	34.3	38.6	47.2	57.2	70.6	86.8	106	131	159	194	236	283	342	413	485	550	523	473	408	340	289	235	196	160	133	110	89.2	71.1	58.7	49.7	43.4	37.7	32.9	28.6	26.7	25.3	22.4				
15	19.6	24.3	28.2	29.6	34.3	41.5	49.6	61.1	73.9	93.5	115	144	174	216	267	327	405	485	569	607	591	531	453	368	285	205	145	135	110	88.2	69.2	56.3	46.3	40.1	35.8	31	28.1	26.7	24.3	22.4					
14	20	22.4	25.7	27.2	32	38.6	46.7	62.1	74.9	97.3	124	153	180	238	298	369	460	555	652	707	703	637	548	458	368	282	234	189	155	125	95.4	75.4	62.1	48.7	42.3	38.2	33.4	30.5	25.8	23.3	22.3				
13	21	23.4	24.8	30	34.3	42.1	50.1	64.4	84.9	114	148	195	252	315	390	484	611	748	889	958	924	833	715	595	474	358	252	201	172	135	102	74.9	53.5	55.1	42.5	37.2	33.4	28.6	27.2	25.2	22.4				
12	20.5	22.9	25.3	29.8	34.8	41	51.5	63.2	84.4	113	157	203	263	332	420	530	664	824	1004	1184	1331	1487	1654	1831	2018	2215	2412	2609	2806	3003	3200	3397	3594	3791	3988	4185	4382	4579	4776	4973	5170	5367			
11	21	23.8	27.2	29.5	36.7	45.3	55.6	68.4	84.2	107	139	180	229	287	354	440	554	694	859	1049	1254	1474	1709	1959	2224	2504	2799	3099	3399	3699	3999	4299	4599	4899	5199	5499	5799	6099	6399	6699	6999	7299	7599		
10	21.9	25.3	29.6	33.4	41.5	50.8	61.2	73.2	87.2	109	139	180	229	287	354	440	554	694	859	1049	1254	1474	1709	1959	2224	2504	2799	3099	3399	3699	3999	4299	4599	4899	5199	5499	5799	6099	6399	6699	6999	7299	7599		
9	22.4	24.8	28.6	34.8	41	50.8	61.2	73.2	87.2	109	139	180	229	287	354	440	554	694	859	1049	1254	1474	1709	1959	2224	2504	2799	3099	3399	3699	3999	4299	4599	4899	5199	5499	5799	6099	6399	6699	6999	7299	7599		
8	22.9	24.3	31.5	36.2	43.7	51.1	59.6	71.2	84.2	100	120	144	172	204	240	280	324	372	424	480	540	604	672	744	816	892	972	1056	1144	1236	1332	1432	1536	1644	1756	1872	1992	2116	2244	2376	2512	2648	2784		
7	21.9	24.3	28.1	35.8	47.2	55.4	64.4	75.2	87.2	100	119	139	160	184	212	244	280	320	364	412	464	520	580	644	712	784	856	932	1012	1096	1184	1276	1372	1472	1576	1684	1796	1912	2032	2156	2284	2416	2552	2688	
6	19.6	23.8	28.7	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9				
5	17.6	21.5	27.2	35.3	43	51.1	59.6	71.2	84.2	100	120	144	172	204	240	280	324	372	424	480	540	604	672	744	816	892	972	1056	1144	1236	1332	1432	1536	1644	1756	1872	1992	2116	2244	2376	2512	2648	2784		
4	14.3	17.6	22.4	31	40.5	50.8	61.2	73.2	87.2	100	119	139	160	184	212	244	280	320	364	412	464	520	580	644	712	784	856	932	1012	1096	1184	1276	1372	1472	1576	1684	1796	1912	2032	2156	2284	2416	2552	2688	
3	13.8	15.7	21	30.5	40.5	50.8	61.2	73.2	87.2	100	119	139	160	184	212	244	280	320	364	412	464	520	580	644	712	784	856	932	1012	1096	1184	1276	1372	1472	1576	1684	1796	1912	2032	2156	2284	2416	2552	2688	
2	9.54	13.8	16.2	24.3	31	40.5	50.8	61.2	73.2	87.2	100	119	139	160	184	212	244	280	320	364	412	464	520	580	644	712	784	856	932	1012	1096	1184	1276	1372	1472	1576	1684	1796	1912	2032	2156	2284	2416	2552	2688
1	6.88	8.11	11.9	20	48.7	120	200	343	518	848	1440	2336	3528	5016	6944	9312	12144	15456	19344	23808	28848	34464	40752	47712	55344	63648	72624	82368	92880	104160	116208	129024	142496	156624	171408	186840	202920	219648	236928	254760	273144	292080	311568	331608	
0	3.34	5.72	7.15	10	25.7	63.4	116	192	307	475	703	992	1344	1768	2272	2856	3512	4240	5040	5912	6856	7872	8960	10120	11352	12656	14032	15480	17000	18592	20256	21992	23792	25656	27584	29576	31632	33756	35940	38184	40488	42840	45240	47680	50160

Auswertung	Bereich	Spezifikation: ICAO Ann.14, Vol.1, Fig. A2-10 w REH 60m width									
		Sollwertkuven					Sollwerte				
		Linie/Unter: 0	Mitte H	Mitte V	Rad a	Form: Ellipse	Mittelwert	Minimum	Maximum	Mittelwert	Auswertung Messung
1	Mainbeam	0	3.5	6.5	3.5		10000	5000	3	14435	8600
2	Second beam	0	3.5	8.5	6		1000	1000	3	3439	18840
3	Outer beam	0	3.5	10	8.5		500	500	3	1765	3439

Toe-in	Spezifikation	Feldmontage	Messung	Auswertung	Meldungen	Korrektur
hor. [°]	4.5	0	0	0	ok	0
vert. [°]	0	0	0	0	ok	0

MessNr.: 12820	Feuer Typ: IL 853D-REH-2.2/6.6A-f0-w/w
Mess Datum: 06.01.2015	Art Nr: 853.001
Bemerkungen:	Strahl 2

Winkel in Grad, Messwerte in Candela																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
VH	-20	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
18	18.1	19.6	22.9	26.2	29.6	34.8	40.5	50.1	61.5	75.4	91.6	109	131	155	178	206	237	272	311	354	392	429	465	500	534	567	600	632	664	696	728	760	792	824	856	888	920	952	984	1016	1048	1080	1112	1144	1176	1208	1240	1272	1304	1336	1368	1400	1432	1464	1496	1528	1560	1592	1624	1656	1688	1720	1752	1784	1816	1848	1880	1912	1944	1976	2008	2040	2072	2104	2136	2168	2200	2232	2264	2296	2328	2360	2392	2424	2456	2488	2520	2552	2584	2616	2648	2680	2712	2744	2776	2808	2840	2872	2904	2936	2968	3000	3032	3064	3096	3128	3160	3192	3224	3256	3288	3320	3352	3384	3416	3448	3480	3512	3544	3576	3608	3640	3672	3704	3736	3768	3800	3832	3864	3896	3928	3960	3992	4024	4056	4088	4120	4152	4184	4216	4248	4280	4312	4344	4376	4408	4440	4472	4504	4536	4568	4600	4632	4664	4696	4728	4760	4792	4824	4856	4888	4920	4952	4984	5016	5048	5080	5112	5144	5176	5208	5240	5272	5304	5336	5368	5400	5432	5464	5496	5528	5560	5592	5624	5656	5688	5720	5752	5784	5816	5848	5880	5912	5944	5976	6008	6040	6072	6104	6136	6168	6200	6232	6264	6296	6328	6360	6392	6424	6456	6488	6520	6552	6584	6616	6648	6680	6712	6744	6776	6808	6840	6872	6904	6936	6968	7000	7032	7064	7096	7128	7160	7192	7224	7256	7288	7320	7352	7384	7416	7448	7480	7512	7544	7576	7608	7640	7672	7704	7736	7768	7800	7832	7864	7896	7928	7960	7992	8024	8056	8088	8120	8152	8184	8216	8248	8280	8312	8344	8376	8408	8440	8472	8504	8536	8568	8600	8632	8664	8696	8728	8760	8792	8824	8856	8888	8920	8952	8984	9016	9048	9080	9112	9144	9176	9208	9240	9272	9304	9336	9368	9400	9432	9464	9496	9528	9560	9592	9624	9656	9688	9720	9752	9784	9816	9848	9880	9912	9944	9976	10008	10040	10072	10104	10136	10168	10200	10232	10264	10296	10328	10360	10392	10424	10456	10488	10520	10552	10584	10616	10648	10680	10712	10744	10776	10808	10840	10872	10904	10936	10968	11000	11032	11064	11096	11128	11160	11192	11224	11256	11288	11320	11352	11384	11416	11448	11480	11512	11544	11576	11608	11640	11672	11704	11736	11768	11800	11832	11864	11896	11928	11960	11992	12024	12056	12088	12120	12152	12184	12216	12248	12280	12312	12344	12376	12408	12440	12472	12504	12536	12568	12600	12632	12664	12696	12728	12760	12792	12824	12856	12888	12920	12952	12984	13016	13048	13080	13112	13144	13176	13208	13240	13272	13304	13336	13368	13400	13432	13464	13496	13528	13560	13592	13624	13656	13688	13720	13752	13784	13816	13848	13880	13912	13944	13976	14008	14040	14072	14104	14136	14168	14200	14232	14264	14296	14328	14360	14392	14424	14456	14488	14520	14552	14584	14616	14648	14680	14712	14744	14776	14808	14840	14872	14904	14936	14968	15000	15032	15064	15096	15128	15160	15192	15224	15256	15288	15320	15352	15384	15416	15448	15480	15512	15544	15576	15608	15640	15672	15704	15736	15768	15800	15832	15864	15896	15928	15960	15992	16024	16056	16088	16120	16152	16184	16216	16248	16280	16312	16344	16376	16408	16440	16472	16504	16536	16568	16600	16632	16664	16696	16728	16760	16792	16824	16856	16888	16920	16952	16984	17016	17048	17080	17112	17144	17176	17208	17240	17272	17304	17336	17368	17400	17432	17464	17496	17528	17560	17592	17624	17656	17688	17720	17752	17784	17816	17848	17880	17912	17944	17976	

ERNI AGL AG

Lichtmessung Waren-Ausgangsprüfung

WAP

MessNr.: 12961	Feuer Typ: IL 852D-REH-2 z/6.6A-to-w/y	Spezifikation	Feldmontage	Messung	Auswertung	Meldungen	Korrektur
Mess Datum: 28.01.2015	Art Nr: 852.002	hor. 4.5	0	4.5	0	ok	0
Bemerkungen: 14-0011	Stahl 2	vert. 0	0	0	0	ok	0

Winkel in Grad, Messwerte in Candela																																												
Winkel	-20	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			
19	16.3	17.2	16.7	20.	21.5	22.4	27.2	30.5	42.	55.8	66.3	78.7	90.5	100	143	168	182	213	235	254	259	245	213	181	156	132	112	91.6	72.	58.7	49.6	41.5	34.8	31.	24.8	22.4	19.6	18.6	18.2	15.3	15.7			
18	14.3	14.8	16.7	19.1	20.	21.	26.7	30.5	43.9	57.7	70.6	83.5	97.3	122	159	195	227	258	289	311	314	295	256	212	175	145	122	95.9	73.5	58.7	49.1	41.	33.4	28.7	23.8	20.5	18.1	18.1	16.2	14.3	12.4			
17	13.4	13.8	16.7	19.2	19.6	21.	21.9	27.7	40.5	54.9	68.2	82.3	96.4	119	162	204	246	286	325	357	366	348	311	264	212	173	144	115	86.3	63.8	53.4	43.4	34.8	28.1	23.4	21.	17.2	16.7	14.8	14.3	12.4			
16	13.4	14.3	15.3	16.2	19.1	20.5	22.4	26.1	41.	55.8	68.7	82.5	96.3	128	172	221	267	317	355	387	391	372	337	295	240	192	156	124	95.	71.5	55.8	44.8	34.8	28.3	22.9	20.	15.2	14.3	14.3	12.4	12.4			
15	12.5	13.4	15.3	17.2	19.6	21.8	23.8	27.2	38.6	52.5	66.8	81.1	95.3	119	158	211	261	308	349	379	393	382	352	312	261	214	174	141	106	83.9	67.7	52.	38.2	29.1	22.6	17.6	17.6	14.3	12.9	11.4	10.			
14	12.9	12.9	14.3	15.7	17.2	20.5	23.8	31.	38.1	50.8	64.9	79.2	93.5	109	148	198	246	294	339	378	386	375	344	306	261	214	175	140	108	86.8	71.5	54.9	38.6	29.1	21.9	17.6	15.7	13.8	12.9	10.5	10.			
13	13.4	14.3	15.3	17.2	19.6	21.5	24.8	30.1	38.6	50.8	64.9	79.2	93.5	111	138	174	228	276	323	364	402	439	474	504	534	564	594	624	654	684	714	744	774	804	834	864	894	924	954	984	1014	1044		
12	13.4	14.3	15.7	17.6	21.	25.3	27.2	34.8	47.2	72.	96.3	117	138	164	213	282	359	452	559	693	852	1043	1243	1443	1643	1843	2043	2243	2443	2643	2843	3043	3243	3443	3643	3843	4043	4243	4443	4643	4843	5043		
11	12.4	13.4	15.3	18.1	21.9	24.3	28.1	30.2	40.6	62.	117	147	178	209	233	268	451	538	662	803	1012	1093	1212	1313	1433	1553	1673	1793	1913	2033	2153	2273	2393	2513	2633	2753	2873	2993	3113	3233	3353	3473	3593	
10	14.8	15.3	17.6	21.9	23.8	28.1	35.3	45.8	64.9	102	133	164	195	226	257	288	319	350	381	412	443	474	505	536	567	598	629	660	691	722	753	784	815	846	877	908	939	970	1001	1032	1063	1094	1125	
9	15.3	16.2	16.1	17.1	21.5	24.8	28.1	34.8	46.7	72.	96.3	117	138	164	195	226	257	288	319	350	381	412	443	474	505	536	567	598	629	660	691	722	753	784	815	846	877	908	939	970	1001	1032	1063	1094
8	14.8	17.2	18.1	22.9	24.3	32.	41.	59.1	82.1	105	135	165	195	225	255	285	315	345	375	405	435	465	495	525	555	585	615	645	675	705	735	765	795	825	855	885	915	945	975	1005	1035	1065		
7	14.8	15.7	15.6	22.9	24.3	32.	41.	59.1	82.1	105	135	165	195	225	255	285	315	345	375	405	435	465	495	525	555	585	615	645	675	705	735	765	795	825	855	885	915	945	975	1005	1035	1065		
6	13.8	17.2	18.6	22.9	24.3	32.	41.	59.1	82.1	105	135	165	195	225	255	285	315	345	375	405	435	465	495	525	555	585	615	645	675	705	735	765	795	825	855	885	915	945	975	1005	1035	1065		
5	12.9	17.2	18.6	22.4	24.1	46.1	66.1	81.1	106	131	156	181	206	231	256	281	306	331	356	381	406	431	456	481	506	531	556	581	606	631	656	681	706	731	756	781	806	831	856	881	906	931	956	
4	12.9	15.7	16.1	22.9	25.1	42.	60.6	87.3	107	132	157	182	207	232	257	282	307	332	357	382	407	432	457	482	507	532	557	582	607	632	657	682	707	732	757	782	807	832	857	882	907	932	957	
3	12.9	13.4	15.3	20.	26.2	37.2	50.8	75.3	105	130	155	180	205	230	255	280	305	330	355	380	405	430	455	480	505	530	555	580	605	630	655	680	705	730	755	780	805	830	855	880	905	930	955	
2	11.4	12.9	15.7	19.1	25.3	38.2	63.3	94.	124	154	184	214	244	274	304	334	364	394	424	454	484	514	544	574	604	634	664	694	724	754	784	814	844	874	904	934	964	994	1024	1054	1084	1114		
1	9.64	11.	13.8	15.7	19.1	30.5	42.	56.8	111	142	173	204	235	266	297	328	359	390	421	452	483	514	545	576	607	638	669	700	731	762	793	824	855	886	917	948	979	1010	1041	1072	1103	1134	1165	
0	12.2	13.9	15.5	17.1	19.3	21.5	24.8	30.1	38.6	50.8	64.9	79.2	93.5	109	148	198	246	294	339	378	386	375	344	306	261	214	175	140	108	86.8	71.5	54.9	38.6	29.1	21.9	17.6	15.7	13.8	12.9	10.5	10.			

Auswertung Bereich	Spezifikation: ICAO Ann.14, Vol.1, Fig. A2-10 yellow REH 60m width				Sollwerte				Auswertung Messung			
	Sollwertkurven		Sollwerte		Mittelwert		Max / Min.		Minimum		Maximum	
	Linke/Unten: 0	Rechte/Oben: 0	Mitte V	Mitte H	Form: Ellipse	Rad a	Rad b	Max / Min.	Minimum	Maximum	Max / Min.	Max / Min.
1 Mainbeam	0	0	3.5	3.5	3.5	3.5	3.5	3	2000	4000	6654	8471
2 Second beam	0	0	3.5	8.5	6	6	6	3	4374	1646	451	451
3 Outer beam	0	0	3.5	10	8.5	8.5	8.5	3	4374	1646	451	451

* We reserve the right to change technical data, prices and details at any point in time. Errors may occur.

8

Order Code

Bi-directional (non-switchable) = 2
Bi-directional (switchable) = 3

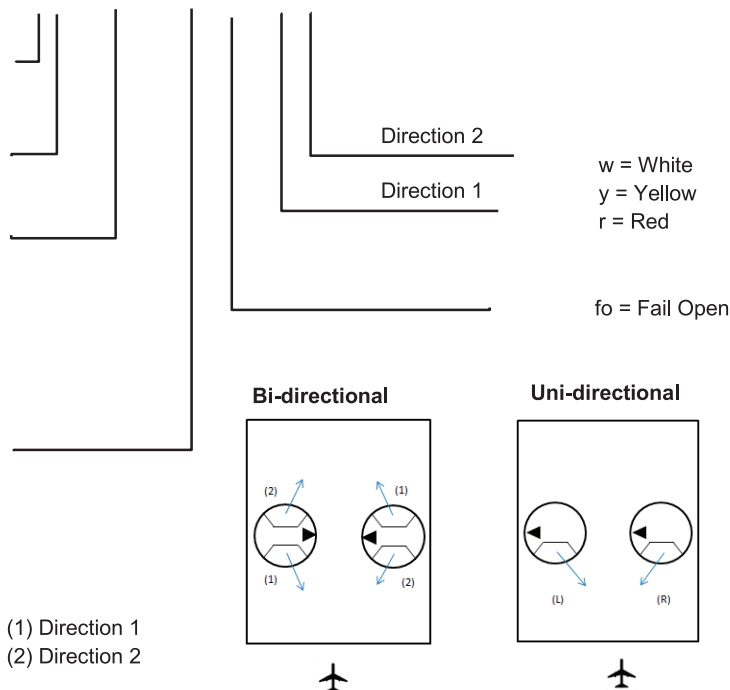
LED- light source = D

Runway Edge (Bi-directional) = REH

CCR Operation 2,2 / 6,6 A *
2,2 A = 1,0..2,2 A
6,6 A = 2,8..6,6 A *

* 1.8 / 6.6 A for military use

IL85xD – REH – x – fo – x/x



Part Number	Order Code
852.001	IL 852D – REH – 2.2/6.6 A – fo – w/w
852.002	IL 852D – REH – 2.2/6.6 A – fo – w/y
852.003	IL 852D – REH – 2.2/6.6 A – fo – y/w
852.006	IL 852D – REH – 2.2/6.6 A – fo – r/y
852.009	IL 852D – REH – 2.2/6.6 A – fo – y/r
852.011	IL 852D – REH – 2.2/6.6 A – fo – r/r
853.001	IL 853D – REH – 2.2/6.6 A – fo – w/w
853.002	IL 853D – REH – 2.2/6.6 A – fo – w/y
853.003	IL 853D – REH – 2.2/6.6 A – fo – y/w
853.007	IL 853D – REH – 2.2/6.6 A – fo – r/y
853.008	IL 853D – REH – 2.2/6.6 A – fo – y/r
853.006	IL 853D – REH – 2.2/6.6 A – fo – r/r

* We reserve the right to change technical data, prices and details at any point in time. Errors may occur.

9

Installation

a) 12" Shallow base, bottom or side entry (Fig. 1)

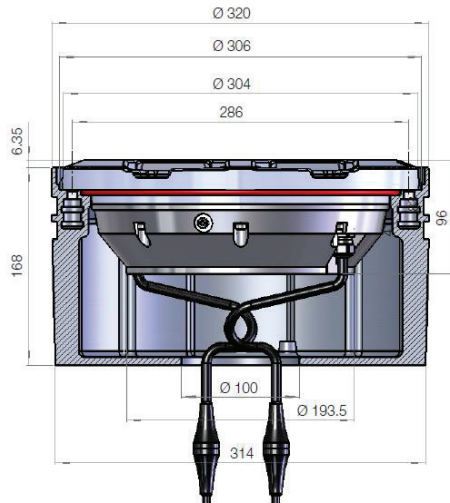


Figure 1

b) 12" Deep base can with transformer installation at bottom (Fig. 2)

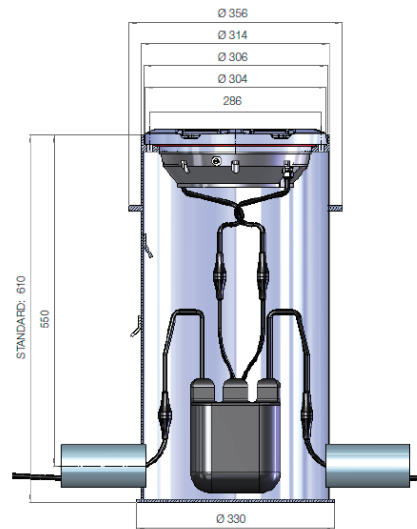


Figure 2

Note:

Tightening torque range for all screws 25..30 Nm

Electrical Data

2.2 / 6.6 A with appropriate isolation transformer

Accessory

- O-Ring and Screw Kit (set for 20 fixtures)
- 12" Shallow base with bottom or side entry
- 12" Deep base can
- Individual lamp control unit (SCROLL)
- Isolation transformers
 - o According to FAA AC 150/5345-47
 - o Available power ranges from 25..523 VA

*All parts come with corresponding seals, spacers and screws