

LED luminaire luminous fluxes and power in Emergency mode

Data updated as at: May 2018

The following tables show the percentages of luminous flux of LED luminaires in emergency operation (BLF). These fluxes are the minimum guaranteed during rated autonomy as required by EN 60598-2-22, and are therefore the ones to be used in the design stage. The luminous fluxes specified are REAL values, and refer to the OUTPUT of the luminaire.

LED emergency wiring characteristics

Wiring created with emergency lighting systems with the following characteristics:

- Rigid cables cross sectional area 0.50-0.75-1 mm² (0.75-1 mm² also Class II), HT heat resistant PVC 90°C, CEI 20-20.
- Protective fuse, same characteristics as starter wiring.
- 230V-50/60Hz electronic inverter with protection against excessive battery discharge.
- Sealed Nickel-Cadmium or Nickel-Metal Hydride NiMH.
- LED to signal presence of power supply and battery charging.
- Recharge time 24 hrs.
- Running time = 1h minimum under heaviest working conditions.
- 3-pole terminal block with incorporated disconnecting fuse for standard power supply live-earthing-neutral (LTN).
- 2 pole terminal block for power supply of the emergency recharging line.
- Complies with IIEC 60598-1, CEI EN 60598-1 (CEI 34-21) and CEI EN 60598-2-22 (CEI 34-22).
- Suitable for rooms with temperature from 0°C to +25°C.

On request:

- Emergency mode with 3 hours duration, 24 hours recharge, or 1.5 hours duration and 12 hours recharge (according to feasibility), maintaining the same percentage of the standard luminous flux.
- Wiring with intelligent control systems and centralised or local self-diagnostics of emergency lighting.

EP LED permanent emergency lighting

When power is on, EP luminaires operate like normal luminaires; in the event of power failure, the LED module connected to the emergency lighting system switches on or stays on automatically.

In EP luminaires with multiple LED modules, you can check how many modules remain on in emergency mode; for example, 1EP+2 indicates that on a 3x (3 LED modules) luminaire, one remains on in an emergency.

ENP non-permanent emergency LED lighting

In ENP luminaires, the LED module switches on only in emergency mode, when there is a power cut.

Code	Item	Duration	Recharge	BLF Luminaire (%)	Module BLF (%)	Number of modules in emergency mode
Surface luminaires and suspensions						
10607	3F Zeta L AS 40 LED EP L1489	1h	24h	8,0	40,0	1EP+4
10980	3F Zeta D 1x22 LED EP L1489	1h	24h	15,2	15,2	1EP
10982	3F Zeta D 2x22 LED EP L1489	1h	24h	7,6	15,2	1EP+1
10984	3F Zeta DR 1x22 LED EP L1489	1h	24h	15,2	15,2	1EP
10986	3F Zeta DR 2x22 LED EP L1489	1h	24h	7,6	15,2	1EP+1
10988	3F Zeta L 40 LED EP L1489	1h	24h	8,0	40,0	1EP+4
11001	3F Zeta DR UGR 2x22 LED EP L1783	1h	24h	7,6	15,2	1EP+1
11002	3F Zeta DR UGR 1x30 LED EP L1783	1h	24h	11,4	11,4	1EP
34332	3F Petra OP 380 22W LED EP	1h	24h	15,7	15,7	1EP+2
34409	3F Petra OP 620 50W LED EP	1h	24h	6,9	13,7	2EP+2

Code	Item	Duration	Recharge	BLF Luminaire (%)	Module BLF (%)	Number of modules in emergency mode
Recessed Luminaires						
21262	L 323x10W LED EP SP 596x596	1h	24h	11,4	34,3	1EP+1
21263	L 324x10W LED EP SP 596x596	1h	24h	8,6	17,2	1EP+2
21293	L 322x18W LED EP SP 296x1196	1h	24h	9,5	19,0	2EP+2
21589	L 323x10W LED EP LGS 596x596	1h	24h	11,4	34,3	1EP+1
21590	L 324x10W LED EP LGS 596x596	1h	24h	8,6	17,2	1EP+1
21606	L 322x18W LED EP LGS 296x1196	1h	24h	9,5	19,0	1EP+1
21642	L 320 32W LED EP LGS 596x596	1h	24h	11,1	22,2	1EP+1
21646	L 320 32W LED EP SP 596x596	1h	24h	11,1	22,2	1EP+1
21650	L 320 32W LED EP OP 596x596	1h	24h	11,1	22,2	1EP+1
21654	L 320 32W LED EP LGS 621x621	1h	24h	11,1	22,2	1EP+1
21658	L 320 32W LED EP SP 621x621	1h	24h	11,1	22,2	1EP+1
21662	L 320 32W LED EP OP 621x621	1h	24h	11,1	22,2	1EP+1
23009	3F Diagon 15W/830 EP 596x596	1h	24h	32,9	32,9	1EP
23010	3F Diagon 25W/830 EP 596x596	1h	24h	19,8	19,8	1EP
23011	3F Diagon 39W/830 EP 596x596	1h	24h	13,0	13,0	1EP
23033	3F Diagon 15W/840 EP 596x596	1h	24h	32,9	32,9	1EP
23034	3F Diagon 25W/840 EP 596x596	1h	24h	19,8	19,8	1EP
23035	3F Diagon 39W/840 EP 596x596	1h	24h	13,0	13,0	1EP
23106	3F Diagon 25W/930 EP 596x596	1h	24h	19,8	19,8	1EP
23130	3F Diagon 25W/940 EP 596x596	1h	24h	19,8	19,8	1EP
23201	3F Diagon 15W/830 EP OP 596x596	1h	24h	32,9	32,9	1EP
23202	3F Diagon 25W/830 EP OP 596x596	1h	24h	19,8	19,8	1EP
23203	3F Diagon 39W/830 EP OP 596x596	1h	24h	13,0	13,0	1EP
23225	3F Diagon 15W/840 EP OP 596x596	1h	24h	32,9	32,9	1EP
23226	3F Diagon 25W/840 EP OP 596x596	1h	24h	19,8	19,8	1EP
23227	3F Diagon 39W/840 EP OP 596x596	1h	24h	13,0	13,0	1EP
23298	3F Diagon 25W/930 EP OP 596x596	1h	24h	19,8	19,8	1EP
23322	3F Diagon 25W/940 EP OP 596x596	1h	24h	19,8	19,8	1EP
23393	3F Diagon 15W/830 EP 621x621	1h	24h	32,9	32,9	1EP
23394	3F Diagon 25W/830 EP 621x621	1h	24h	19,8	19,8	1EP
23395	3F Diagon 39W/830 EP 621x621	1h	24h	13,0	13,0	1EP
23417	3F Diagon 15W/840 EP 621x621	1h	24h	32,9	32,9	1EP
23418	3F Diagon 25W/840 EP 621x621	1h	24h	19,8	19,8	1EP
23419	3F Diagon 39W/840 EP 621x621	1h	24h	13,0	13,0	1EP
23490	3F Diagon 25W/930 EP 621x621	1h	24h	19,8	19,8	1EP
23514	3F Diagon 25W/940 EP 621x621	1h	24h	19,8	19,8	1EP
23585	3F Diagon 15W/830 EP OP 621x621	1h	24h	32,9	32,9	1EP
23586	3F Diagon 25W/830 EP OP 621x621	1h	24h	19,8	19,8	1EP
23587	3F Diagon 39W/830 EP OP 621x621	1h	24h	13,0	13,0	1EP
23609	3F Diagon 15W/840 EP OP 621x621	1h	24h	32,9	32,9	1EP
23610	3F Diagon 25W/840 EP OP 621x621	1h	24h	19,8	19,8	1EP
23611	3F Diagon 39W/840 EP OP 621x621	1h	24h	13,0	13,0	1EP
23682	3F Diagon 25W/930 EP OP 621x621	1h	24h	19,8	19,8	1EP
23706	3F Diagon 25W/940 EP OP 621x621	1h	24h	19,8	19,8	1EP

Code	Item	Duration	Recharge	BLF Luminaire (%)	Module BLF (%)	Number of modules in emergency mode
28829	L 323x10W LED EP 2S 596x596	1h	24h	11,4	34,3	1EP+2
28831	L 322x18W LED EP 2S 296x1196	1h	24h	9,5	19,0	1EP+1
28847	L 323x10W LED EP 2MG 596x596	1h	24h	11,4	34,3	1EP+2
28849	L 322x18W LED EP 2MG 296x1196	1h	24h	9,5	19,0	1EP+1
30018	3F Reno 100 WH 1000/840 EP SPOT	1h	24h	28,6	28,6	1EP
30022	3F Reno 100 WH 1000/930 EP SPOT	1h	24h	28,6	28,6	1EP
30026	3F Reno 100 WH 2000/840 EP SPOT	1h	24h	20,0	20,0	1EP
30030	3F Reno 100 WH 2000/930 EP SPOT	1h	24h	16,7	16,7	1EP
30086	3F Reno 100 WH 1000/840 EP WIDE	1h	24h	28,6	28,6	1EP
30090	3F Reno 100 WH 1000/930 EP WIDE	1h	24h	28,6	28,6	1EP
30094	3F Reno 100 WH 2000/840 EP WIDE	1h	24h	20,0	20,0	1EP
30098	3F Reno 100 WH 2000/930 EP WIDE	1h	24h	16,7	16,7	1EP
30222	3F Reno 100 WH 1000/840 EP ELL	1h	24h	28,6	28,6	1EP
30226	3F Reno 100 WH 1000/930 EP ELL	1h	24h	28,6	28,6	1EP
30230	3F Reno 100 WH 2000/840 EP ELL	1h	24h	20,0	20,0	1EP
30234	3F Reno 100 WH 2000/930 EP ELL	1h	24h	16,7	16,7	1EP
30290	3F Reno 150 WH 2000/840 EP SPOT	1h	24h	20,0	20,0	1EP
30294	3F Reno 150 WH 2000/930 EP SPOT	1h	24h	16,7	16,7	1EP
30298	3F Reno 150 WH 3000/840 EP SPOT	1h	24h	14,3	14,3	1EP
30302	3F Reno 150 WH 3000/930 EP SPOT	1h	24h	11,1	11,1	1EP
30358	3F Reno 150 WH 2000/840 EP WIDE	1h	24h	20,0	20,0	1EP
30362	3F Reno 150 WH 2000/930 EP WIDE	1h	24h	16,7	16,7	1EP
30366	3F Reno 150 WH 3000/840 EP WIDE	1h	24h	14,3	14,3	1EP
30370	3F Reno 150 WH 3000/930 EP WIDE	1h	24h	11,1	11,1	1EP
30420	3F Reno 150 WH 2000/840 EP UGR	1h	24h	20,0	20,0	1EP
30470	3F Reno 150 WH 2000/840 EP ELL	1h	24h	20,0	20,0	1EP
30474	3F Reno 150 WH 2000/930 EP ELL	1h	24h	16,7	16,7	1EP
30478	3F Reno 150 WH 3000/840 EP ELL	1h	24h	14,3	14,3	1EP
30482	3F Reno 150 WH 3000/930 EP ELL	1h	24h	11,1	11,1	1EP
30546	3F Reno 200 WH 2000/840 EP SPOT	1h	24h	20,0	20,0	1EP
30550	3F Reno 200 WH 2000/930 EP SPOT	1h	24h	16,7	16,7	1EP
30554	3F Reno 200 WH 3000/840 EP SPOT	1h	24h	14,3	14,3	1EP
30558	3F Reno 200 WH 3000/930 EP SPOT	1h	24h	11,1	11,1	1EP
30562	3F Reno 200 WH 4000/840 EP SPOT	1h	24h	11,1	11,1	1EP
30566	3F Reno 200 WH 4000/930 EP SPOT	1h	24h	9,5	9,5	1EP
30646	3F Reno 200 WH 2000/840 EP WIDE	1h	24h	20,0	20,0	1EP
30650	3F Reno 200 WH 2000/930 EP WIDE	1h	24h	16,7	16,7	1EP
30654	3F Reno 200 WH 3000/840 EP WIDE	1h	24h	14,3	14,3	1EP
30658	3F Reno 200 WH 3000/930 EP WIDE	1h	24h	11,1	11,1	1EP
30662	3F Reno 200 WH 4000/840 EP WIDE	1h	24h	11,1	11,1	1EP
30666	3F Reno 200 WH 4000/930 EP WIDE	1h	24h	9,5	9,5	1EP
30737	3F Reno 200 WH 2000/840 EP UGR	1h	24h	20,0	20,0	1EP
30741	3F Reno 200 WH 2000/930 EP UGR	1h	24h	16,7	16,7	1EP
30742	3F Reno 200 WH 3000/840 EP UGR	1h	24h	14,3	14,3	1EP
30746	3F Reno 200 WH 2500/930 EP UGR	1h	24h	14,3	14,3	1EP
30810	3F Reno 200 WH 2000/840 EP ELL	1h	24h	20,0	20,0	1EP

Code	Item	Duration	Recharge	BLF Luminaire (%)	Module BLF (%)	Number of modules in emergency mode
30814	3F Reno 200 WH 2000/930 EP ELL	1h	24h	16,7	16,7	1EP
30818	3F Reno 200 WH 3000/840 EP ELL	1h	24h	14,3	14,3	1EP
30822	3F Reno 200 WH 3000/930 EP ELL	1h	24h	11,1	11,1	1EP
30826	3F Reno 200 WH 4000/840 EP ELL	1h	24h	11,1	11,1	1EP
30830	3F Reno 200 WH 4000/930 EP ELL	1h	24h	9,5	9,5	1EP
36576	Lucequadro LED 2000 EP VS	1h	24h	20,0	20,0	1EP
36579	Lucequadro LED 3000 EP VS	1h	24h	14,3	14,3	1EP
36582	Lucequadro LED 2000 EP VOP	1h	24h	20,0	20,0	1EP
36585	Lucequadro LED 3000 EP VOP	1h	24h	14,3	14,3	1EP
36588	Lucequadro LED 2000 EP SOP	1h	24h	20,0	20,0	1EP
36591	Lucequadro LED 3000 EP SOP	1h	24h	14,3	14,3	1EP
37544	Galassia 220 LED AB 2000 EP VOP	1h	24h	20,0	20,0	1EP
37553	Galassia 220 LED AB 2000 EP VS	1h	24h	20,0	20,0	1EP
37580	Galassia 220 LED AB 3000 EP VOP	1h	24h	14,3	14,3	1EP
37589	Galassia 220 LED AB 3000 EP VS	1h	24h	14,3	14,3	1EP
37752	Galassia 220 LED 2000 EP	1h	24h	20,0	20,0	1EP
37761	Galassia 220 LED 2000 EP VT	1h	24h	20,0	20,0	1EP
37770	Galassia 220 LED 2000 EP VOP	1h	24h	20,0	20,0	1EP
37779	Galassia 220 LED 2000 EP VS	1h	24h	20,0	20,0	1EP
37795	Galassia 220 LED 3000 EP	1h	24h	14,3	14,3	1EP
37804	Galassia 220 LED 3000 EP VT	1h	24h	14,3	14,3	1EP
37813	Galassia 220 LED 3000 EP VOP	1h	24h	14,3	14,3	1EP
37822	Galassia 220 LED 3000 EP VS	1h	24h	14,3	14,3	1EP
Waterproof and corrosion-proof						
55017	i3F LED 752x30W EP CONC L1565	1h	24h	5,7	11,4	1EP+1
55083	i3F LED 762x30W EP AMPIO VT L1565	1h	24h	5,7	11,4	1EP+1
55145	i3F LED 762x12W EP AMPIO VS L655	1h	24h	14,3	14,3	2EP
55147	i3F LED 762x24W EP AMPIO VS L1265	1h	24h	7,1	14,3	1EP+1
55149	i3F LED 762x30W EP AMPIO VS L1565	1h	24h	5,7	11,4	1EP+1
55607	i3F LED 752x12W EP AMPIO L655	1h	24h	14,3	14,3	2EP
55609	i3F LED 752x24W EP AMPIO L1265	1h	24h	7,1	14,3	1EP+1
55611	i3F LED 752x30W EP AMPIO L1565	1h	24h	5,7	11,4	1EP+1
55677	i3F LED 762x30W EP CONC VT L1565	1h	24h	5,7	11,4	1EP+1
58567	3F Linda LED 1x12W EP LA L660	1h	24h	28,6	28,6	1EP
58569	3F Linda LED 1x6W EP LA L660	1h	24h	57,1	57,1	1EP
58589	3F Linda LED 1x24W EP L1270	1h	24h	14,3	14,3	1EP
58590	3F Linda LED 1x24W/865 EP L1270	1h	24h	14,3	14,3	1EP
58600	3F Linda LED 2x24W EP L1270	1h	24h	7,1	14,3	1EP+1
58601	3F Linda LED 2x24W/865 EP L1270	1h	24h	7,1	14,3	1EP+1
58602	3F Linda LED 2x24W/830 EP L1270	1h	24h	7,1	14,3	1EP+1
58611	3F Linda LED 1x30W EP L1570	1h	24h	11,4	11,4	1EP
58612	3F Linda LED 1x30W/865 EP L1570	1h	24h	11,4	11,4	1EP
58623	3F Linda LED 2x30W EP L1570	1h	24h	5,7	11,4	1EP+1
58624	3F Linda LED 2x30W/865 EP L1570	1h	24h	5,7	11,4	1EP+1
58625	3F Linda LED 2x30W/830 EP L1570	1h	24h	5,7	11,4	1EP+1
58705	3F Linda LED 1x12W ENP LA L660	1h	24h	28,6	28,6	1ENP
58713	3F Linda LED 1x24W ENP L1270	1h	24h	14,3	14,3	1ENP
5794	3F Linda Compatta LED 1x5W EP 160x300	1h	24h	68,6	68,6	1EP