



Doug Chinnery Photography Workshops

Long Exposure Quick Calculator Chart

Base Exposure without Filters	3-Stop ND Filter	6-Stop ND Filter	10-Stop ND Filter
1/500	1/60	1/8	2
1/250	1/30	1/4	4
1/125	1/15	1/2	8
1/60	1/8	1	15
1/30	1/4	2	30
1/15	1/2	4	60 (1 minute)
1/8	1	8	120 (2 minutes)
1/4	2	15	240 (4 minutes)
1/2	4	30	480 (8 minutes)
1	8	60 (1 minute)	900 (15 minutes)
2	15	120 (2 minutes)	1800 (30 minutes)
4	30	240 (4 minutes)	3600 (60 Minutes)
8	60 (1 minute)	480 (8 minutes)	7200 (2 hours)
15	90 (1.5 minutes)	900 (15 minutes)	14400 (4 hours)
30	120 (2 minutes)	1800 (30 minutes)	28800 (Life is too short)

Exposure times in seconds. Take a base reading without filters

www.dougchinnery.com