






## Directional Lamps








under Commission Registration (EC) No.1194/2012

## Phase-out Schedule

Starting September		2012	2013	2014	2015	2016	2017	2018
A++								
A+								
A								
B	Halogen MR11, halogen MR16 and high efficiency halogen AR111 					Will be phased out in Sept 2016		
	Less efficient CFL and LED reflectors 		Already phased out in Sept 2013 with few exceptions <sup>1</sup>					
C	Halogen AR48, halogen AR70 and low efficiency halogen AR111 			Already phased out in Sept 2014				
D	Halogen reflectors PAR16, PAR20, PAR30, PAR38, R50, R63 and R80 					Will be phased out in Sept 2016		
E	Incandescent reflector and less efficient halogen reflectors R50, R63, R80 and PAR38 		Already phased out in Sept 2013					

## Non-directional lamps

under Commission Registration (EC) No. 244/2009

Starting September		2012	2013	2014	2015	2016	2017	2018
A++								
A+								
A								
B	High efficiency halogen G4 lamps 	Remains after Sept 2018						
	Less efficient CFL and LED lamps 	Already phased out in Sept 2009 with few exceptions <sup>2</sup>						
C	High efficiency halogen R7s lamps 	Remains after Sept 2018						
	Low efficiency halogen G4 lamps 	Originally C class were to be banned in Sept 2016, but the schedule has been postponed to Sept 2018						Ban
D	High efficiency halogen G9 lamps 	Remains after 2018						
	Halogen energy saver lamps (including Candle and Classic) and low efficiency halogen R7s lamps 	Originally D class were to be banned in Sept 2016, but the schedule has been postponed to Sept 2018						Ban
E	Clear incandescent lamps and low efficiency halogen G9 lamps 	Already phased out in Sept 2012						

### Remarks:

#### 1 Exceptions includes:

- CFL lamp with CRI ≥90
- lamps with anti-glare shield

#### 2 Exceptions includes:

- discharge lamp with cap GX53
- discharge lamp with CRI ≥90 and colour temperature ≥5000K
- non-clear lamp with CRI ≥90
- non-clear lamp with second envelope

3 Opal and pearl lamps were all banned from 2010.