

The Philips logo is displayed in a bold, blue, sans-serif font.The text 'ErP legislation' is written in a white, sans-serif font on a dark purple background.The word 'Halogen' is written in a white, sans-serif font on a dark purple background.

# ErP in the spotlight


## **What is Ecodesign?**

Ecodesign covers a number of EU regulations, aiming to stimulate the use of energy-efficient solutions (ErP = Energy-related Products). Inefficient products have been gradually banned as a consequence. At the same time, performance requirements for the more energy-efficient alternatives are being raised.



# What does it mean for **Halogen lamps** during 2016

As of September 1, 2016, mains-voltage directional halogen lamps (“reflector lamps”) can no longer be produced or imported for resale into the EU. Any remaining commercial stocks can still be sold out after this date.



### **The following Halogen & Incandescent reflector lamps are affected by this ruling**

All mains-voltage reflector lamps (230-240 V):

- Halogen Classic with E14/E27 base, in shapes R39/R50/R63/R80
- All Halogen with GU10 base
- PAR16/20/30/38 (except PAR38 Infrared lamps, designed for heating purposes)

### **Alternatives**

The requirements for mains-voltage halogen reflector lamps are such that no halogen lamp is able to comply. Philips offers a compelling range of LED alternatives to replace the banned 230-240 V halogen reflector lamps.

### **Impact on 12 V halogen reflector lamps**

12 V halogen lamps are intrinsically more energy efficient compared to mains-voltage halogen lamps.

To comply to Ecodesign requirements, the Philips halogen entry ranges will be upgraded to 4000 hour lifetime. This concerns all lamps with base types GU5.3, GU4 and G53.

### **Impact on non-directional lamps**

Non-directional lamps are not affected until 9/2018 (this concerns bulbs with E27/E14/B22 base, as well as 12 V capsules).

## All impacted lamps are being upgraded to comply

Below lamps are impacted by the third stage of the ErP legislation. Here you will find our recommended, efficient and cost-effective upgrades and/ or LED replacements for the impacted lamps.



Hal-Twist 2y

### Halogen

Phase out	GPC (12nc)	EOC
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#### 25 W - Hal-Twist 2y

25W GU10 230V 25D 1CT/10x5F	924887044213	871150065239365
25W GU10 240V 25D 1CT/50	924881545502	871150065246165

#### 35 W - Hal-Twist 2y

35W GU10 230V 20D 1CT/50	924887144255	871150065275165
35W GU10 230V 20D CL 1CT/50	924887144245	871150065228765
35W GU10 230V 40D 1CT/50	924713444245	871150065236265
35W GU10 230V 40D 1CT/50	924713444255	871150065283665

#### 50 W - Hal-Twist 2y

50W GU10 230V 20D 1CT/10X5F	924887244225	871150042847960
50W GU10 240V 20D 1CT/10X5F	924887245525	871150042850960
50W GU10 230V 40D 1CT/10X5F	924713544225	871150042853060
50W GU10 240V 40D 1CT/10X5F	924713545525	871150042856160
50W GU10 230V 40D 1CT/10X5F	924713544235	871150041258460
50W GU10 240V 40D 1CT/10X5F	924713545535	871150041261460

### ▶ LED spot MV



CorePro LED spot MV



LED spot classic MV



MASTER LEDspot MV



LED spot classic D MV

### Non dimmable

LED recommendation	GPC (12nc)	EOC
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<b>CorePro LED spot MV</b>		
3.2-25W GU10 827 36D	929001219802	871869656322900
<b>LED spot classic MV</b>		
ND 3.1-25W GU10 827 36D	929001217502	871869658769000

<b>CorePro LED spot MV</b>		
3.5-35W GU10 827 36D	929001220102	871869648594100
<b>LED spot classic MV</b>		
ND 3.5-35W GU10 827 36D	929001217802	871869659992100

<b>CorePro LED spot MV</b>		
5-50W GU10 827 36D	929001220402	871869648598900
<b>LED spot classic MV</b>		
ND 4.6-50W GU10 827 36D	929001215202	871869659994500
ND 5.3-50W GU10 827 36D	929001188702	871869655118900

### Dimmable

LED recommendation	GPC (12nc)	EOC
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<b>MASTER LEDspot MV</b>		
VLE D 4-25W GU10 827 40D	929001215402	871869656296300

<b>MASTER LEDspot MV</b>		
VLE D 3.5-35W GU10 827 40D	929001215502	871869656298700
<b>LED spot classic MV</b>		
D 4.4-35W GU10 827 36D	929001218602	871869656558200
DimTone 4.5-35W GU10 36D	929001278502	871868666764400

<b>MASTER LEDspot MV</b>		
VLE D 4.3-50W GU10 827 40D	929001216102	871869656310600
<b>LED spot classic MV</b>		
D 5.5-50W GU10 827 36D	929001218802	871869656560500
DimTone 5-50W GU10 36D	929001278602	871868666762000

DimTone offers color change from 2700K to 2200K while dimming the light.

# LED spot alternatives

## Spot



Tw Alu 3000h



EcoHalo Tw

## ▶ LED spot MV



CorePro LED spot MV



LED spot classic MV



MASTER LEDspot MV



LED spot classic D MV

### Halogen

Phase out	GPC (12nc)	EOC
<b>50 W - Tw Alu 3000 hour</b>		
50W GU10 230V 25D 1CT/10X5F	924880644264	871150064932460
50W GU10 230V 50D 1CT/10X5F	924880744269	871150064935560

Phase out	GPC (12nc)	EOC
<b>35 W - EcoHalo Tw / 50W EcoHalo Tw</b>		
35W GU10 230V 40D 1CT/10X5F	925641044205	872790086404500

### Non dimmable

LED recommendation	GPC (12nc)	EOC
<b>CorePro LED spot MV</b>		
5-50W GU10 827 36D	929001220402	871869648598900
<b>LED spot classic MV</b>		
ND 4.6-50W GU10 827 36D	929001215202	871896959994500

LED recommendation	GPC (12nc)	EOC
<b>CorePro LED spot MV</b>		
5-50W GU10 827 36D	929001220402	871869648598900
<b>LED spot classic MV</b>		
ND 4.6-50W GU10 827 36D	929001215202	871869659994500

### Dimmable

LED recommendation	GPC (12nc)	EOC
<b>MASTER LEDspot MV</b>		
VLE D 4.3-50W GU10 827 40D	929001216102	871869656310600
<b>LED spot classic MV</b>		
D 5.5-50W GU10 827 36D	929001218802	871869656560500
DimTone 5-50W GU10 36D	929001278602	871868666762000

LED recommendation	GPC (12nc)	EOC
<b>MASTER LEDspot MV</b>		
VLE D 4.3-50W GU10 827 40D	929001216102	8718696566310600
<b>LED spot classic MV</b>		
D 5.5-50W GU10 827 36D	929001218802	871869656560500
DimTone 5-50W GU10 36D	929001278602	871868666762000

DimTone offers color change from 2700K to 2200K while dimming the light.

# LED spot MV PAR alternatives

## HalogenA PAR



PAR16

## ▶ LED spot MV PAR R50



R50

### Halogen

Phase out	GPC (12nc)	EOC
<b>HalogenA PAR16</b>		
40W E14 230V 25D 1CT/15	924526644213	871150049753620

### Non dimmable

LED recommendation	GPC (12nc)	EOC
<b>CorePro LED spot MV</b>		
ND 2.9-40W 827 R50 36D	929001235902	871869657851300

### Dimmable

LED recommendation	GPC (12nc)	EOC
<b>CorePro LED spot MV</b>		
D 5-60W 827 R50 36D	929001236002	871869657853700

# LED spot MV PAR alternatives

## HalogenA PAR



### Halogen

Phase out	GPC (12nc)	EOC
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#### 50 W - HalogenA PAR20

50W E27 230V 25D 1CT/15	924713344204	871150049489420
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#### 75 W - HalogenA PAR30S

75W E27 230V 10D 1CT/15	924710944204	871150050441820
75W E27 230V 30D 1CT/15	924710844204	871150050439520

#### 100 W - HalogenA PAR30S

100W E27 230V 30D 1CT/15	924541744204	871150051881120
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#### 100 W - HalogenA PAR38

100W E27 230V 30D 1CT/15	924890544201	871150065521920
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## ▶ LED spot MV PAR



### Dimmable

LED recommendation	GPC (12nc)	EOC
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#### MASTER LEDspot

D 5.5-50W 2700K PAR20 25D	929001145302	871869646063400
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#### MASTER LEDspot

D 8.5-75W 827 WW PAR30S 25D SO	929001244102	871869657805600
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#### MASTER LEDspot

D 9.5-90W 827 WW PAR30S 25D SO	929001198702	871869655080900
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#### MASTER LEDspot

D 13-100W 827 WW PAR38 25D	929001142802	871869646043600
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### Non dimmable

LED recommendation
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Non dimmable not available. Select a dimmable offer.

Non dimmable not available. Select a dimmable offer.

Non dimmable not available. Select a dimmable offer.

Non dimmable not available. Select a dimmable offer.

## PAR38



### Incandescent

Phase out	GPC (12nc)	EOC
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#### 60 W / 80W - PAR38

60W E27 230V FL 30D 1CT/12	923810444214	871150038063015
80W E27 220-240V FL 1CT/15	923810544279	871150090003620
80W E27 220-240V SP 1CT/15	923810244295	871150060037020
80W E27 230V FL 30D 1BL/10	923810544230	871150002123600
80W E27 230V FL 30D 1CT/12	923810544229	871150038066115
80W E27 230V FL 30D 1CT/12	923810544233	871150060040015
80W E27 230V SP 12D 1CT/12	923810244212	871150038075315
80W E27 240V PAR38 Flood 1CT/6	923810545580	871150001856497

#### 120 W - PAR38

120W E27 230V FL 30D 1CT/12	923810644229	871150038061615
120W E27 230V SP 12D 1CT/12	923810344210	871150038071515
120W E27 240V FL 1CT/6	923815645594	871016317089300

## ▶ LED spot MV PAR



### Dimmable

LED recommendation	GPC (12nc)	EOC
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#### MASTER LEDspot

D 6-60W 827WW PAR38 25D	929001239302	871869657829200
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D 13-100W 827 WW PAR38 25D	929001142802	871869646043600
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### Non dimmable

LED recommendation
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Non dimmable not available. Select a dimmable offer.

Non dimmable not available. Select a dimmable offer.

# LED bulb alternatives

## B22 A60



### Incandescent Reinforced Construction

Phase out      GPC (12nc)      EOC

#### 60 W - A60

60W 230V B22 FR RC.1CT/20    920450344212    871150006881105

## LED bulb



A60 B22 FR

### Dimmable

LED recommendation      GPC (12nc)      EOC

#### MASTER LEDbulb

DT 8.5-60W A60 B22 827 FR    929001233502    871869657793600

### Non dimmable

LED recommendation      GPC (12nc)      EOC

#### CorePro LED bulb

ND 8-60W A60 B22 827    929001233902    871869657763900

## E27 ReinfC



### Incandescent Reinforced Construction

Phase out      GPC (12nc)      EOC

#### 25 W - A60

25W E27 230V A60 FR 1CT/20    920443644210    871150009029405

#### 40 W - A60

40W E27 230V A60 FR 1CT/20    920445644212    871150009032405

#### 60 W - A60

60W 230V E27 CL RC.1CT/20    920450744251    871150009033105

60W E27 230V A60 FR 1CT/20    920450844214    871150009019505

#### 100 W - A60

100W E27 230V A60 FR 1CT/20    920461844247    871150009037900

100W E27 230V A60 CL 1CT/20    920461744201    871150009039300

## LED bulb



A60

A60

### Dimmable

LED recommendation

#### CorePro LED bulb

D 6-40W A60 E27 827    929001232702    871869657749300

#### CorePro LED bulb

D 6-40W A60 E27 827    929001232702    871869657749300

#### CorePro LED bulb

D 8.5-60W A60 E27 827    929001232602    871869657747900

#### CorePro LED bulb

D 16-100W A67 E27 827    929001158932    871869657801800

### Non dimmable

LED recommendation      GPC (12nc)      EOC

#### CorePro LED bulb

ND 5.5-40W A60 E27 827    929001234202    871869657757800

#### CorePro LED bulb

ND 5.5-40W A60 E27 827    929001234202    871869657757800

#### CorePro LED bulb

ND 8-60W A60 E27 827    929001234302    871869657755400

#### CorePro LED bulb

ND 13.5-100W A60 E27 827    929001234502    871869657751600

# LED spot alternatives

## E14 EcoClassic



EcoClassic R39



EcoClassic R50

### Halogen

Phase out	GPC (12nc)	EOC
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#### 28 W - EcoClassic R39

28W E14 R39 45D 1CT/10 SRP	925719044204	871829175721401
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#### 18 W - EcoClassic R50

18W E14 230V NR50 1CT/10 SRP	925645244210	872790082042304
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#### 28 W - EcoClassic R50

28W E14 230V NR50 1CT/10 SRP	925640044235	872790025274304
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28W E14 230V NR50 30D 1CT/10	925640044236	871869646636000
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28W E14 240V NR50 1CT/10 SRP	925640045504	872790025276701
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#### 42 W - EcoClassic R50

42W E14 230V NR50 1CT/10 SRP	925714044205	871829168435001
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## LED spot MV



CorePro LED spot MV R39



CorePro LED spot MV R50

### Dimmable

LED recommendation	GPC (12nc)	EOC
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#### CorePro LED spot MV

Dimmable not available. Select a non dimmable offer.

#### CorePro LED spot MV

D 5-60W 827 R50 36D	929001236002	871869657853700
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#### CorePro LED spot MV

D 5-60W 827 R50 36D	929001236002	871869657853700
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## E27 EcoClassic



EcoClassic NR63



EcoClassic R80

### Halogen

Phase out	GPC (12nc)	EOC
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#### 28 W - EcoClassic NR63

28W E27 230V NR63 1CT/10 SRP	925645344213	872790082046104
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28W E27 240V NR63 1CT/10 SRP	925645345504	872790082048502
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#### 42 W - EcoClassic NR63

42W E27 230V NR63 1CT/10 SRP	925636044223	872790025195104
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42W E27 240V NR63 1CT/10 SRP	925636045505	872790025196801
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#### 42 W - EcoClassic NR80

42W E27 R80 55D 1CT/10 SRP	925718944203	871829177096101
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42W E27 R80 25D 1CT/10 SRP	925645444208	872790083530401
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#### 70 W - EcoClassic NR80

70W E27 R80 25D 1CT/10 SRP	925645544205	872790083534201
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## LED spot MV



CorePro LEDspot R63



CorePro LEDspot R80

### Dimmable

LED recommendation	GPC (12nc)	EOC
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#### CorePro LED spot MV

D 5.7-60W 827 R63 36D	929001114402	871869658958800
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#### CorePro LED spot MV

Dimmable not available. Select a non dimmable offer.

#### CorePro LED spot MV

Dimmable not available. Select a non dimmable offer.



# Lamps with no LED alternative offer

## ReflCM



### Halogen

Phase out                      GPC (12nc)    EOC

**ReflCM**  
 25W E14 230V P45 SI-CL 1CT/4X5F 920437244205 871150001254838  
 40W E14 230V P45 SI-CL 1CT/4X5F 920438744206 871150001255538

## ▶ ReflCM

### Non dimmable

LED recommendation

No LED alternative available

### Dimmable

LED recommendation

No LED alternative available

## ReflCM



### Halogen

Phase out                      GPC (12nc)    EOC

**ReflCM**  
 40W E27 230V NR63 SI-CL 1CT/4X5F 923326444222 871150005432638  
 60W E27 230V NR63 SI-CL 1CT/4X5F 923327044232 871150005435738

## ▶ ReflCM

### Non dimmable

LED recommendation

Alternative LED offer under preparation in A60

### Dimmable

LED recommendation

No LED alternative available



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09/2016  
Data subject to change.