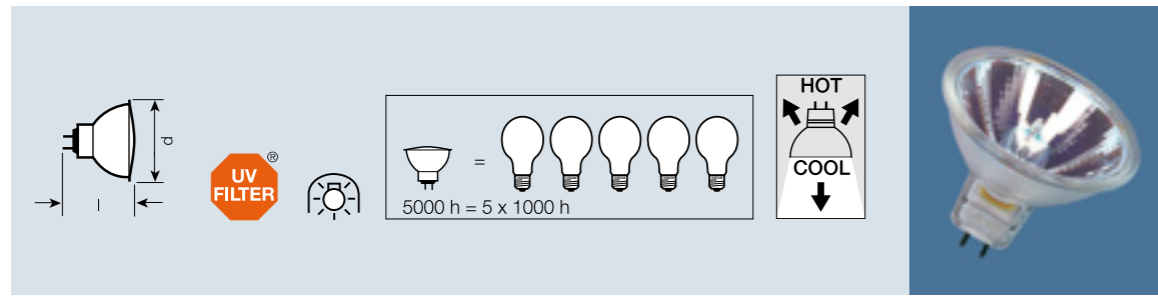


## DECOSTAR® 51 ENERGY SAVER



Product reference	Product number	W	V	cd	t [h]	°	mm	d max. [mm]	l max. [mm]	mm
<b>DECOSTAR® 51 ENERGY SAVER</b>										
48860 ES SP	4050300620169	20	12	6000	5000	10	GU5.3	51	46	20
48860 ES FL	4050300620183	20	12	2300	5000	24	GU5.3	51	46	20
48860 ES WFL	4050300620206	20	12	1000	5000	36	GU5.3	51	46	20
48860 ES VWFL	4050300620220	20	12	450	5000	60	GU5.3	51	46	20
48865 ES SP	4050300516592	35	12	12500	5000	10	GU5.3	51	46	20
48865 ES FL	4050300516615	35	12	4400	5000	24	GU5.3	51	46	20
48865 ES WFL	4050300516639	35	12	2200	5000	36	GU5.3	51	46	20
48865 ES VWFL	4050300516653	35	12	1100	5000	60	GU5.3	51	46	20
48870 ES SP	4050300516677	50	12	15000	5000	10	GU5.3	51	46	20
48870 ES FL	4050300516691	50	12	5700	5000	24	GU5.3	51	46	20
48870 ES WFL	4050300516714	50	12	2850	5000	36	GU5.3	51	46	20
48870 ES VWFL	4050300516738	50	12	1450	5000	60	GU5.3	51	46	20

### The energy and money-saving lamp: DECOSTAR® ES.

Energy Saver lamps combine economy, luminous intensity and quality. What's more, these new lamps last up to 5000 hours.

The Longlife coating of the reflector ensures constant luminous intensity and color location. Thanks to innovative technology and the IRC infrared coating on these lamps you save a large amount of electricity and up to 65% in costs compared with standard halogen lamps. And the environment benefits too.

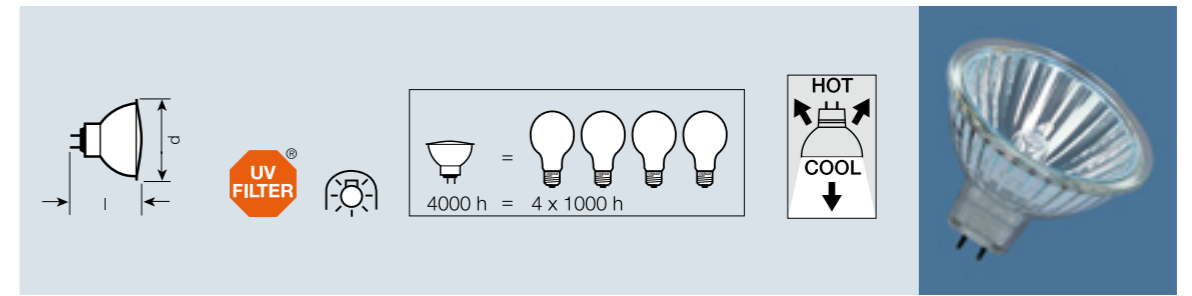
- Up to 65% cost savings through IRC technology<sup>1)</sup>
- Extra long average life of 5000 hours
- Significantly lower CO<sub>2</sub> emissions due to energy savings
- Constant luminous intensity and color location throughout their life
- UV-FILTER
- Dimmable
- Color temperature of 3000 K
- Constant bluish appearance of the light escaping at the back of the reflector
- Dichroic reflector reduces the heat in the light beam by up to 66%
- Approved for use in open luminaires to IEC 60598-1

Standard dichroic reflector lamp	DECOSTAR® ES
35 W →	20 W ES
50 W →	35 W ES
65 W →	50 W ES



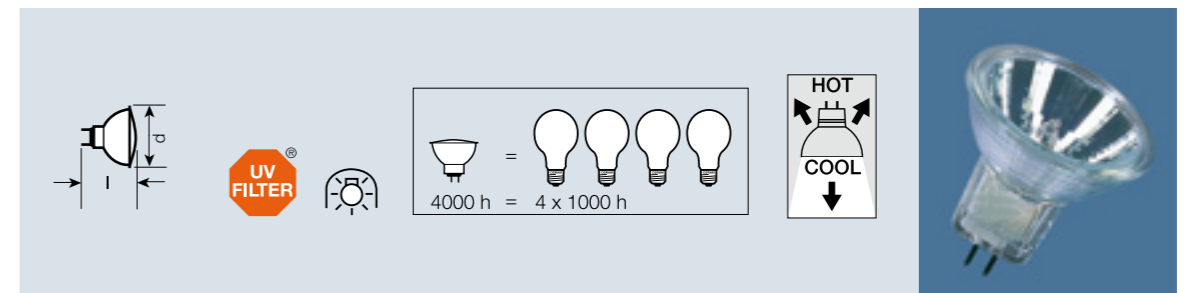
For more information on the system guarantee and the terms and conditions of the guarantee go to [www.osram.com/system-guarantee](http://www.osram.com/system-guarantee)

## DECOSTAR® 51 TITAN DECOSTAR® 35 TITAN



Product reference	Product number	W	V	cd	t [h]	°	mm	d max. [mm]	l max. [mm]	mm
<b>DECOSTAR® 51 TITAN</b>										
46860 SP	4050300428635	20	12	5000	4000	10	GU5.3	51	46	20
46860 WFL	4050300428659	20	12	780	4000	36	GU5.3	51	46	20
46860 VWFL	4050300428673	20	12	350	4000	60	GU5.3	51	46	20
46865 SP	4050300428697	35	12	8000	4000	10	GU5.3	51	46	20
46865 FL	4050300476414	35	12	3100	4000	24	GU5.3	51	46	20
46865 WFL	4050300428710	35	12	1500	4000	36	GU5.3	51	46	20
46865 VWFL	4050300428734	35	12	700	4000	60	GU5.3	51	46	20
46870 SP	4050300428758	50	12	12500	4000	10	GU5.3	51	46	20
46870 FL	4050300465708	50	12	4400	4000	24	GU5.3	51	46	20
46870 WFL	4050300428772	50	12	2200	4000	36	GU5.3	51	46	20
46870 VWFL	4050300428796	50	12	1200	4000	60	GU5.3	51	46	20

- Long average life of 4000 hours
- High luminous intensity
- Constant luminous intensity and color location throughout their life
- Constant bluish appearance of the light escaping at the back of the reflector
- Dichroic reflector reduces the heat in the light beam by up to 66%
- Approved for use in open luminaires to IEC 60598-1
- UV-FILTER
- Dimmable
- Color temperature of 3000 K



Product reference	Product number	W	V	cd	t [h]	°	mm	d max. [mm]	l max. [mm]	mm
<b>DECOSTAR® 35 TITAN</b>										
46890 SP	4050300529301	20	12	4000	4000	10	GU4	35	40	10
46890 WFL	4050300529325	20	12	700	4000	36	GU4	35	40	10
46892 SP	4050300529349	35	12	6200	4000	10	GU4	35	40	10
46892 WFL	4050300529363	35	12	1400	4000	36	GU4	35	40	10