



**70%** Energy Saving

# REPLACE AND SAVE

OSRAM DECOSTAR® STUDIO IRC  
IS PUTTING OLD REFLECTOR LAMPS  
IN THE SHADE

THERE IS LIGHT. AND THERE IS OSRAM.

**OSRAM**

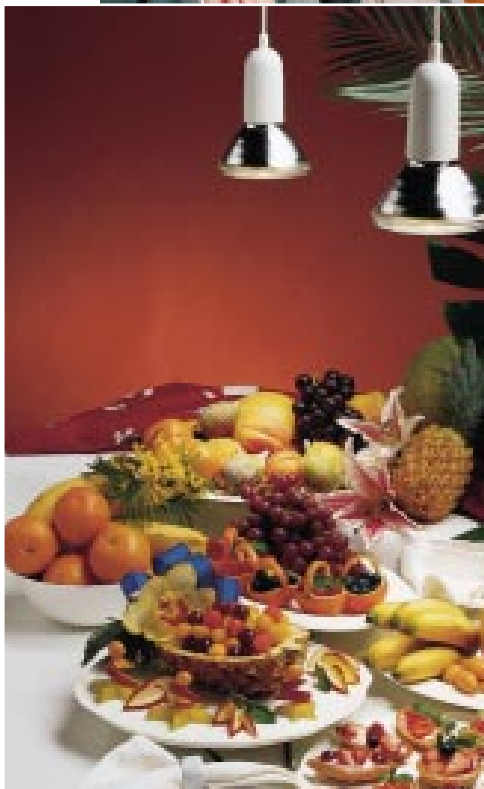
## VERSATILE AND POWERFUL

The OSRAM DECOSTAR® STUDIO IRC is at home wherever bright indoor spotlighting or accent lighting is needed:

- in shop windows and inside shops
- for bar and desktop lighting in hotels and restaurants
- at trade fairs, museums and exhibitions
- in conference rooms and reception areas
- and last but not least, in the home to complement high-class decor.



*Brilliant, bright and beautiful: a comparison between conventional PAR 38 lamps (left) and DECOSTAR® STUDIO IRC halogen lamps (right) shows how modern halogen light can brighten up your world and make colours appear fuller and fresher.*





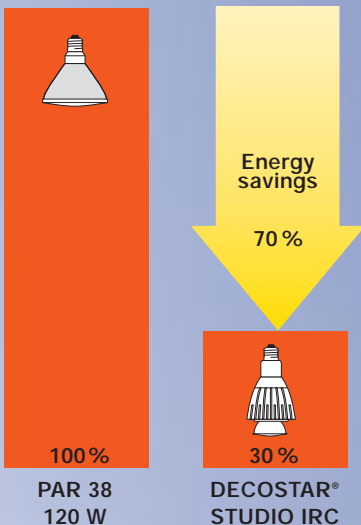
*Powerful accent lighting can boost sales. Old PAR 38 lamps have been replaced by DECOSTAR® STUDIO IR to give electricity savings of up to 70% and cut down considerably on the amount of heat generated.*



## Replace, modernize and save: OSRAM DECOSTAR® STUDIO IRC

- Up to **70 %** energy savings for the same luminous intensity compared with conventional incandescent reflector lamps, such as PAR 38
- Excellent economy thanks to a life of around 40,000 hours from the – DECOSTAR® STUDIO IRC halogen adapter
- High-quality DECOSTAR® IRC 35 W reflector lamp with a beam angle of 38° and a life of 4000 hours
- Can be equipped with any DECOSTAR® 51 lamp up to 35 W with a variety of beam angles
- Dichroic reflector for low thermal load on the illuminated object
- Brilliant halogen light with UV-STOP quartz bulb to prevent bleaching of UV-sensitive objects
- Available in white and silver

### Energy consumption



The E 27 screw base means that DECOSTAR® IRC can be used as a direct replacement for conventional PAR 38 lamps in just about all PAR spotlight holders currently on the market.

The integrated electronic transformer is designed for an extremely long service life of 40,000 hours. With each DECOSTAR® IRC lamp lasting 4000 hours, it can therefore be used with up to 10 DECOSTAR® IRC lamps.

electronic  
comfort light

Quick start  
Flicker free  
Energy saving  
Longer lamp life

The fins on the DECOSTAR® STUDIO IRC dissipate the heat to the side so that the luminaire and the electronic transformer are protected against overheating.

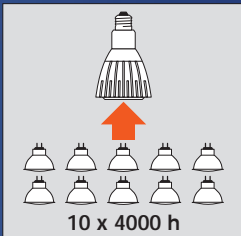
The brilliant halogen light of the OSRAM DECOSTAR® IRC lamp makes colours look fresh and attractive. The dichroic reflector reduces the thermal load in the light beam by around 60%. Throughout its long life of 4000 hours, the DECOSTAR® IRC lamp offers light of a consistently high quality in terms of luminous intensity and light colour.

IRC

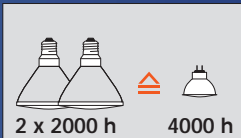
**The DECOSTAR® STUDIO IRC virtually pays for itself within a year.**

The higher price of the DECOSTAR® STUDIO IRC is soon offset by the tremendous savings in electricity costs and double the lamp life – in only six months compared with a 120 W PAR 38 lamp, and in only a year compared with an 80 W PAR 38 lamp. The DECOSTAR® IRC lamp needs replacing after 4000 hours of operation. PAR 38 lamps have to be replaced after only 2000 hours.

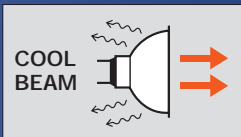
#### Life



#### Lamp life



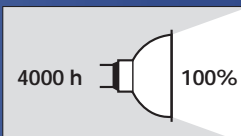
#### Dichroic reflector



#### UV-STOP design



#### Constant quality of light



**Cost savings are progressive. A cost comparison over three years shows a dramatic reduction in electricity costs.**

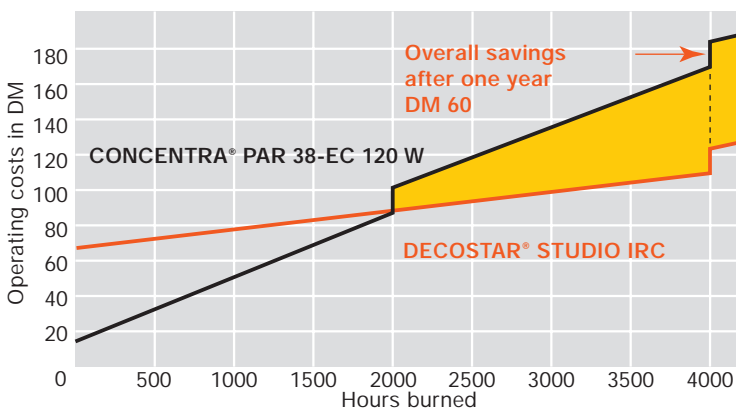
DECOSTAR® STUDIO IRC with its low-voltage DECOSTAR® IRC 35 W halogen lamp consumes only around  $\frac{1}{3}$  as much electricity as PAR 38 incandescent reflector lamps for the same luminous intensity. Over the normal amortisation period of three years the savings are DM 141.00 compared with the 80 W version of the PAR 38 lamp and DM 275.00 compared with the 120 W version. What's more, a DECOSTAR® IRC lamp lasts twice as long as a PAR 38 lamp.






**DECOSTAR® STUDIO IRC – the versatile solution to individual lighting requirements**




DECOSTAR® STUDIO IRC can easily be adapted to suit individual lighting requirements. It comes with the WFL version of the DECOSTAR® IRC lamp with a beam angle of 38° as standard, but for situations that call for focused light with a high axial luminous intensity it can be fitted without any problem with, say, a DECOSTAR® IRC lamp with a beam angle of 10°.

\* All calculations are based on assumed usage of 11 hours a day, 365 days a year (=4000 hours per year).

# SAVE WITH OSRAM DECOSTAR® STUDIO IRC: A COMPARISON BETWEEN DECOSTAR® STUDIO IRC AND PAR 38-EC UNDER PRACTICAL CONDITIONS

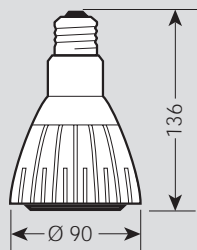


	PAR 38-EC 80 W	120 W	DECOSTAR® STUDIO IRC
			
Power consumption	80 W	120 W	38 W
Quantity	1	1	1
Hours burned in three years*	12000 h	12000 h	12000 h
Lamp life	2000 h	2000 h	4000 h
Electricity costs at 0.28 DM/kWh	DM 269	DM 403	DM 128
<b>Savings on electricity costs per DECOSTAR STUDIO compared with PAR 38-EC</b>			<b>DM 141</b>
			<b>DM 275</b>

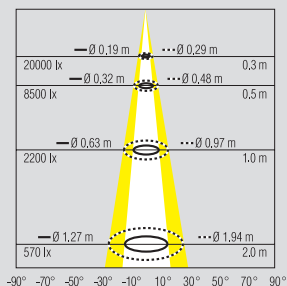
	PAR 38-EC 80 W	120 W	DECOSTAR® STUDIO IRC
			
Beam angle (SPOT)	12°	12°	10°
Axial luminous flux	5400 cd	9300 cd	14000 cd
Beam angle (FLOOD)	30°	30°	38°
Axial luminous flux	1800 cd	3100 cd	2200 cd

# TECHNICAL DATA

Dimensions in mm



DECOSTAR® STUDIO IRC 35 W



DECOSTAR® IRC 48865 WFL

	DECOSTAR® STUDIO
Reference	41468
Lamp wattage	35 W
Mains voltage	230 V
Mains frequency	50 Hz
Diameter	90 mm
Length	136 mm
White EAN 4050300	553115
Silver EAN 4050300	553139
Standard pack	4
Fitted with lamp	DECOSTAR® IRC 35 W 48865 WFL
Approval marks	

Note: suitable for all luminaires that do not enclose the heat-conducting fins. Can be used with dimmers with phase control on the trailing edge.

Printed on paper treated with chlorine-free bleach.



131 S38 E 5/99 AD OSRAM W1 Subject to modification without notice

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