

## OSRAM DECOSTAR® Halogen Lamps



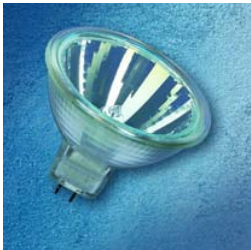
### DECOSTAR® IRC (Infrared Reflective Coating) - Long life energy saving lamps

- High luminous efficacy of up to 25 lm/W
- Up to 45% lower energy consumption compared with a standard dichroic lamp of the same brightness
- 4000 hours average rated life
- Long life coating on reflector ensures constant luminous intensity and colour location throughout life
- Integrated cover-glass – can be used in open fittings
- Colour temperature 3100K



### DECOSTAR® TITAN

- 4000 hours average rated life
- Long life coating on reflector ensures constant luminous intensity and colour location throughout life
- Integrated cover-glass – can be used in open fittings
- Colour temperature 3100K



### DECOSTAR® 51S

- 2000 hours average rated life
- Integrated cover-glass – can be used in open fittings
- Good price/performance ratio
- Colour temperature 3000K



### DECOSTAR® 51

- 2000 hours average rated life
- Open face lamp without cover glass
- Low pressure design - can be used in open fittings
- Good price/performance ratio
- Colour temperature 3000K

Dimensions

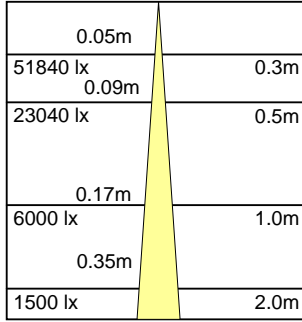
### DECOSTAR® features

UV Filter as standard

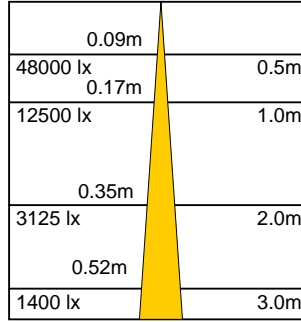
Can be used in open luminaires

Cool beam

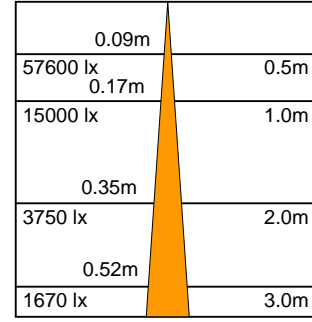
## DECOSTAR<sup>®</sup> IRC – 4000 hour\*



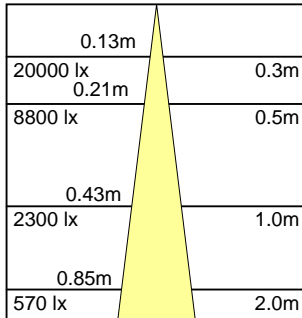
**48860 SP**  
20W 10° 6000cd



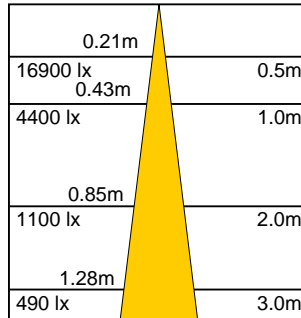
**48865 SP**  
35W 10° 12500cd



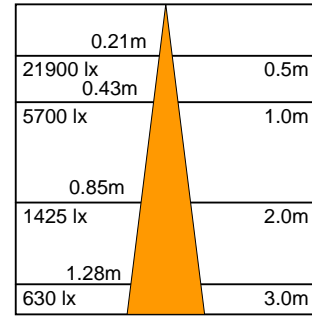
**48870 SP**  
50W 10° 15000cd



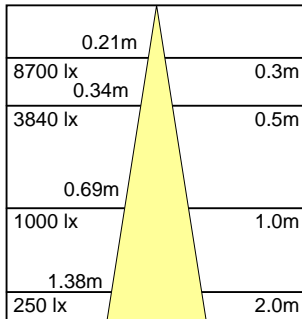
**48860 FL**  
20W 24° 2300cd



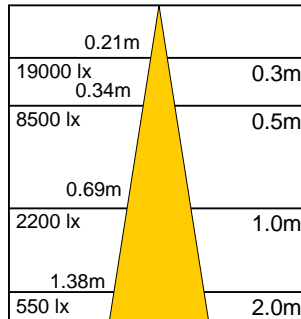
**48865 FL**  
35W 24° 4400cd



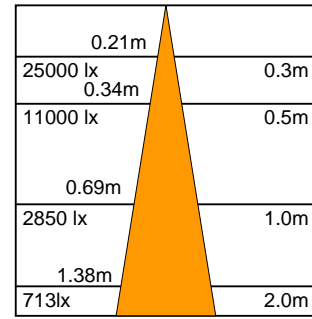
**48870 FL**  
50W 24° 5700cd



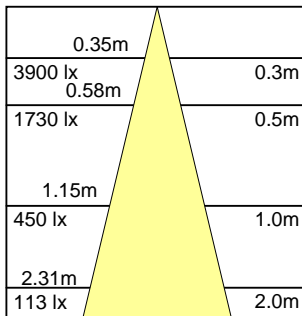
**48860 WFL**  
20W 38° 1000cd



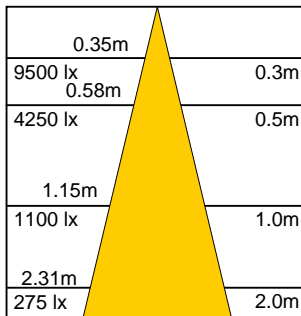
**48865 WFL**  
35W 38° 2200cd



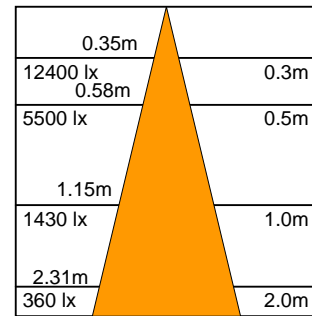
**48870 WFL**  
50W 38° 2850cd



**48860 VWFL**  
20W 60° 450cd



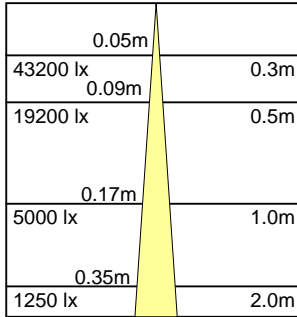
**48865 VWFL**  
35W 60° 1100cd



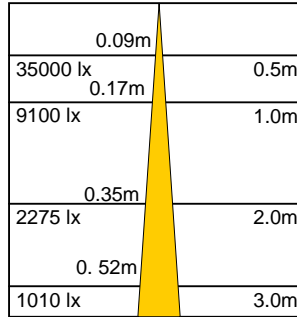
**48870 VWFL**  
50W 60° 1430cd

\* denotes average rated life

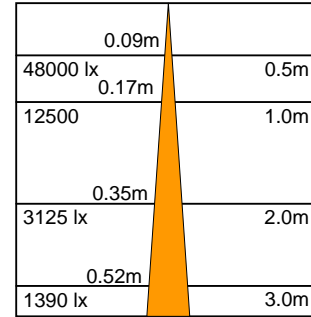
## DECOSTAR<sup>®</sup> TITAN – 4000 hour\*



**46860 SP**  
20W 10° 5000cd

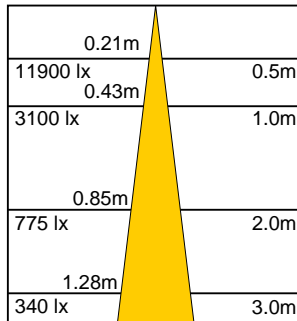


**46865 SP**  
35W 10° 9100cd

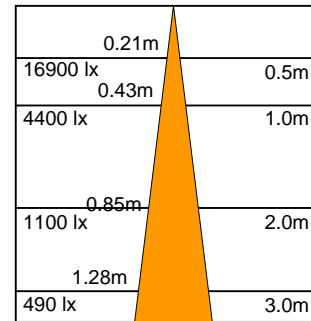


**46870 SP**  
50W 10° 12500cd

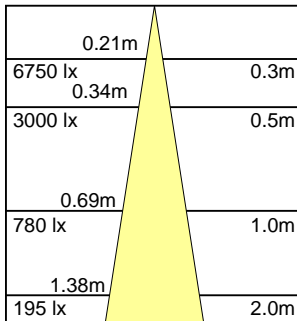
Refer to DECOSTAR IRC  
(DECOSTAR TITAN 20W  
24° lamp not available)



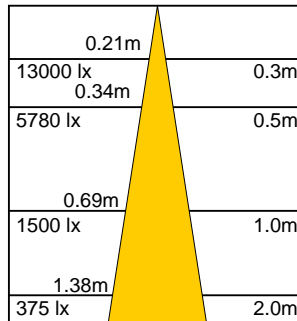
**46865 FL**  
35W 24° 3100cd



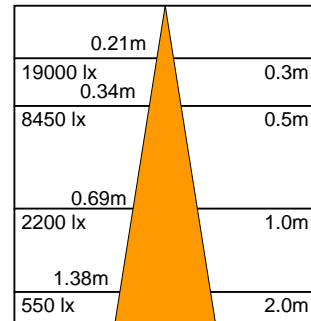
**46870 FL**  
50W 24° 4400cd



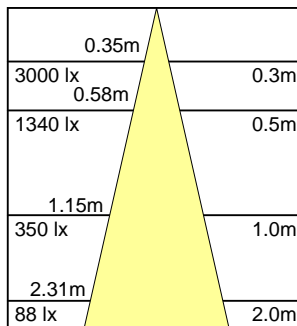
**46860 WFL**  
20W 38° 780cd



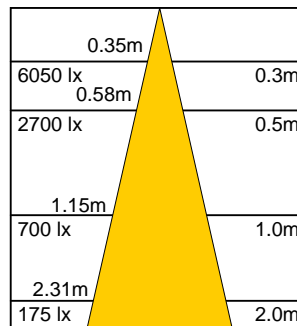
**46865 WFL**  
35W 38° 1500cd



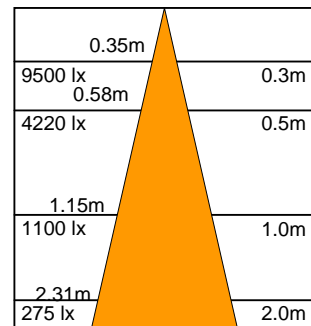
**46870 WFL**  
50W 38° 2200cd



**46860 VWFL**  
20W 60° 350cd



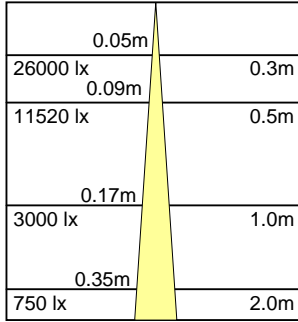
**46865 VWFL**  
35W 60° 700cd



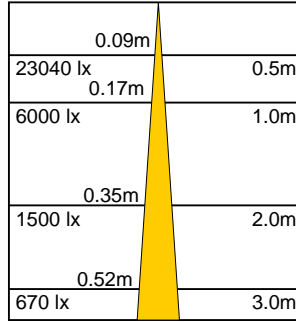
**46870 VWFL**  
50W 60° 1100cd

\* denotes average rated life

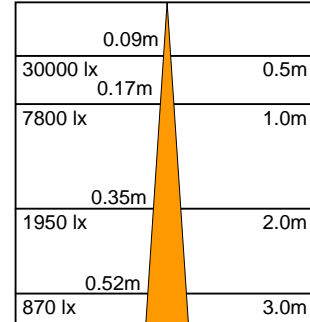
## DECOSTAR<sup>®</sup> 51S – 2000 hour\*



**44860 SP**  
20W 10° 3000cd



**44865 SP**  
35W 10° 6000cd

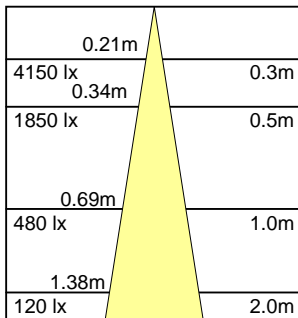


**44870 SP**  
50W 10° 7800cd

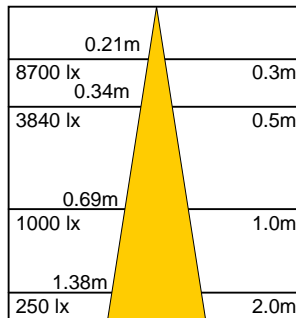
Refer to DECOSTAR IRC  
(DECOSTAR 51S 20W  
24° lamp not available)

Refer to DECOSTAR IRC  
or DECOSTAR TITAN  
(DECOSTAR 51S 35W  
24° lamp not available)

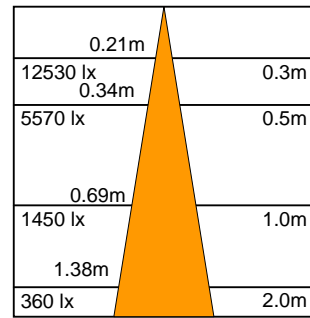
Refer to DECOSTAR IRC  
or DECOSTAR TITAN  
(DECOSTAR 51S 50W  
24° lamp not available)



**44860 WFL**  
20W 38° 480cd



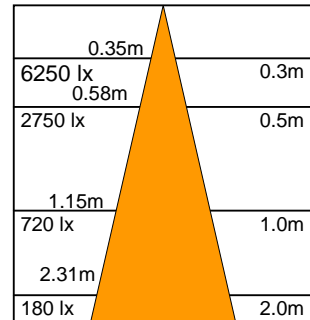
**44865 WFL**  
35W 38° 1000cd



**44870 WFL**  
50W 38° 1450cd

Refer to DECOSTAR IRC  
or DECOSTAR TITAN  
(DECOSTAR 51S 20W  
60° lamp not available)

Refer to DECOSTAR IRC  
or DECOSTAR TITAN  
(DECOSTAR 51S 35W  
60° lamp not available)



**44870 VWFL**  
50W 60° 720cd

\* denotes average rated life

## DECOSTAR® 51 – 2000 hour\*

0.05m		
27200 lx	0.09m	0.3m
12100 lx		0.5m
3150 lx	0.17m	1.0m
790 lx	0.35m	2.0m

**41860 SP**  
20W 10° 3150cd

0.21m		
4400lx	0.34m	0.3m
1960 lx		0.5m
510 lx	0.69m	1.0m
130 lx	1.38m	2.0m

**41860 WFL**  
20W 38° 510cd

0.21m		
9070 lx	0.34m	0.3m
4032 lx		0.5m
1050 lx	0.69m	1.0m
270 lx	1.38m	2.0m

**41865 WFL**  
35W 38° 1050cd

0.09m		
31500 lx	0.17m	0.5m
8200 lx		1.0m
2050 lx	0.35m	2.0m
910 lx	0.52m	3.0m

**41870 SP**  
50W 10° 8200cd

0.21m		
13000 lx	0.34m	0.3m
5760 lx		0.5m
1500 lx	0.65m	1.0m
375 lx	1.38m	2.0m

**41870 WFL**  
50W 38° 1500cd

0.35m		
6950 lx	0.58m	0.3m
3050 lx		0.5m
800 lx	1.15m	1.0m
200 lx	2.31m	2.0m

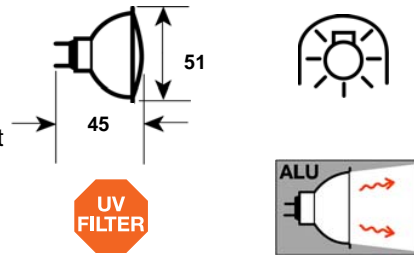
**41870 VWFL**  
50W 60° 800cd

## DECOSTAR® ALU – 3000 hour\*



- Aluminium-coated reflector
- No cover glass
- Can be used in open luminaires

The aluminium-coated reflector without a shield reduces the thermal load in luminaires by about 80% compared with dichroic reflectors with a shield



0.21m		
6050 lx	0.34m	0.3m
2700 lx		0.5m
700 lx	0.69m	1.0m
175 lx	1.38m	2.0m

**41861 WFL**  
20W 38° 700cd

0.21m		
9500 lx	0.34m	0.3m
4230 lx		0.5m
1100 lx	0.69m	1.0m
275 lx	1.38m	2.0m

**41866 WFL**  
35W 38° 1100cd

0.21m		
15600 lx	0.34m	0.3m
7000 lx		0.5m
1800 lx	0.69m	1.0m
450 lx	1.38m	2.0m

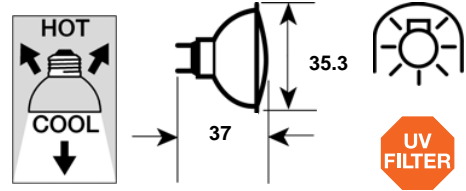
**41871 WFL**  
50W 38° 1800cd

\* denotes average rated life

## OSRAM 35mm DECOSTAR® Halogen Lamps



- Only 35mm in diameter (MR11)
- Dichroic reflector
- Cover glass as standard
- Can be used in open luminaires
- GU4 base



## DECOSTAR® 35 TITAN – 4000 hour\*

0.09m		
17300 lx	0.5m	
0.17m		
4500 lx	1.0m	
0.35m		
1130 lx	2.0m	
0.52m		
500 lx	3.0m	

**46890 SP**  
20W 10° 4500cd

0.09m		
27650 lx	0.5m	
0.17m		
7200 lx	1.0m	
0.35m		
1800 lx	2.0m	
0.52m		
800 lx	3.0m	

**46892 SP**  
35W 10° 7200cd

*Offers all the advantages of a TITAN lamp!*

0.34m		
2700 lx	0.5m	
0.69m		
700 lx	1.0m	
1.38m		
175 lx	2.0m	
2.07m		
78 lx	3.0m	

**46890 WFL**  
20W 38° 700cd

0.34m		
5200 lx	0.5m	
0.69m		
1350 lx	1.0m	
1.38m		
340 lx	2.0m	
2.07m		
150 lx	3.0m	

**46892 WFL**  
35W 38° 1350cd

It's easy to calculate the Lux [E] for a specific height:

$$E = \frac{\text{Luminous intensity [cd]}}{(\text{Distance in metres [m]})^2}$$

Eg, if the height is 2.7m and the luminous intensity is 1350cd:

$$E = \frac{1350}{2.7^2} = 185 \text{ lux}$$

## DECOSTAR® 35 – 2000 hour\*

0.09m		
20750 lx	0.5m	
0.17m		
5400 lx	1.0m	
0.35m		
1350 lx	2.0m	
0.52m		
600 lx	3.0m	

**44892 SP**  
35W 10° 5400cd

0.21m		
4320 lx	0.3m	
0.34m		
1920 lx	0.5m	
0.69m		
500 lx	1.0m	
1.38m		
125 lx	2.0m	

**44890 WFL**  
20W 38° 500cd

0.34m		
3460 lx	0.5m	
0.69m		
900 lx	1.0m	
1.38m		
225 lx	2.0m	
2.07		
100 lx	3.0m	

**44892 WFL**  
35W 38° 900cd

\* denotes average rated life