

# **R**EFLECTOR LAMPS



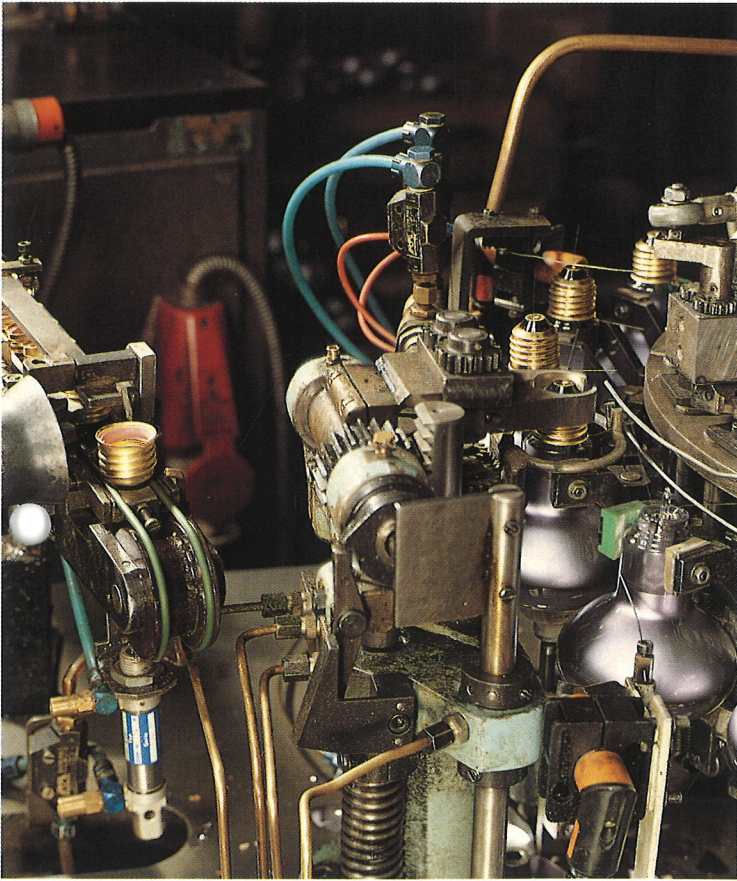
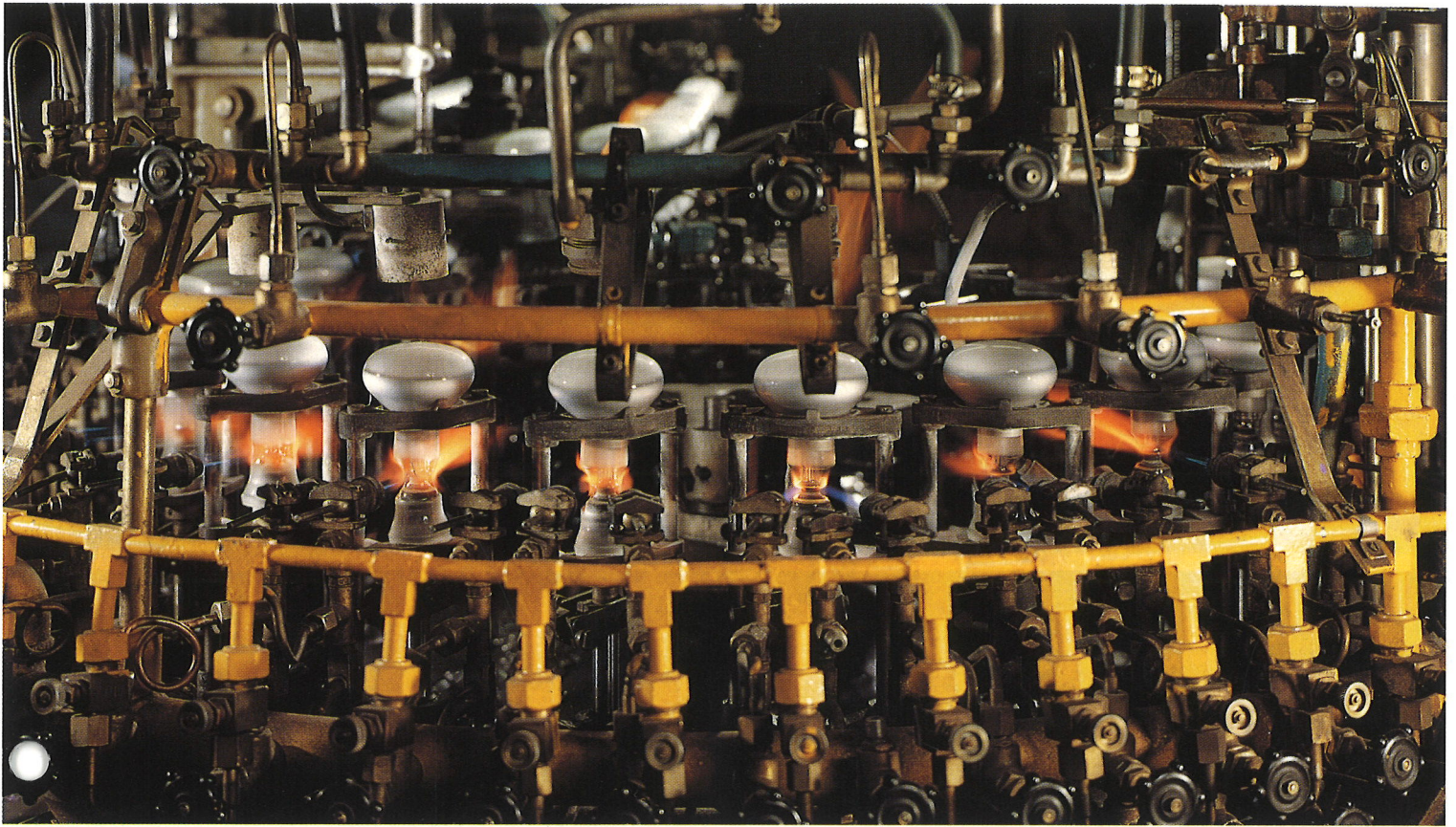
**TUNGSRAM**



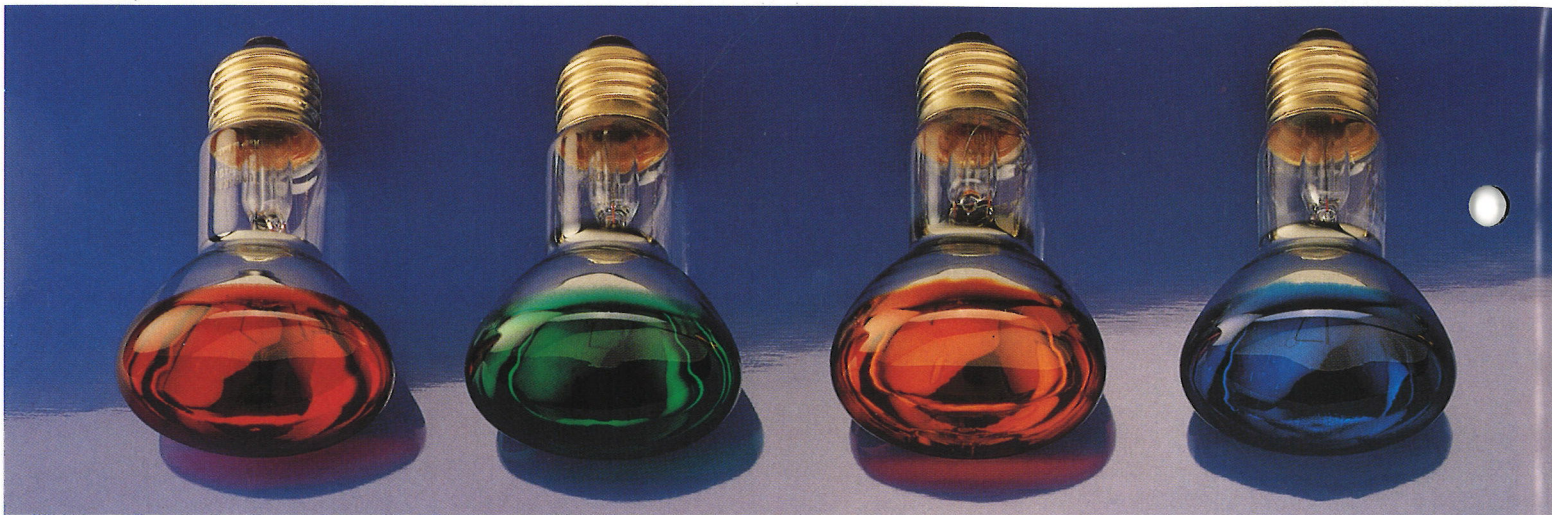
***E***XEMPLARY  
QUALITY FROM  
TUNGSRAM.

*For nearly 100 years we have been producing quality which has set a world standard. That is how we have made the name of Tungfram synonymous with quality. Today Tungfram products are more sought after than ever before. Our new production line facilitates exact manufacturing*

*together with flexibility. Strict quality control ensures the standard which one has come to expect and takes for granted from Tungfram today.*

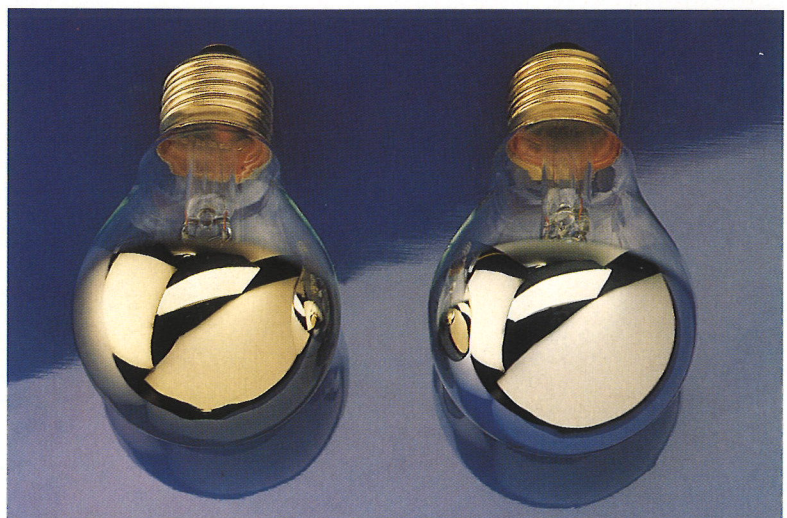
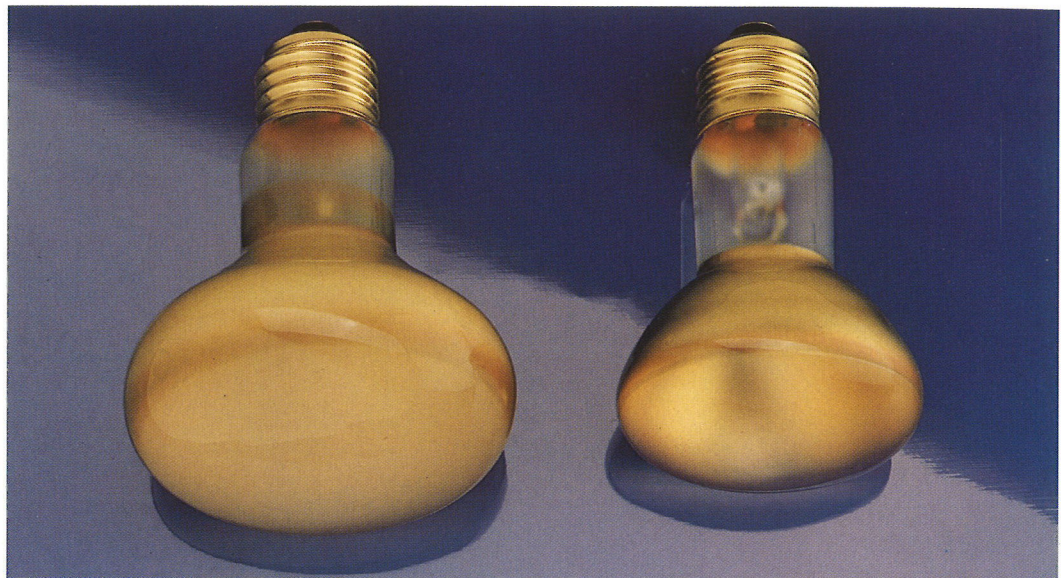
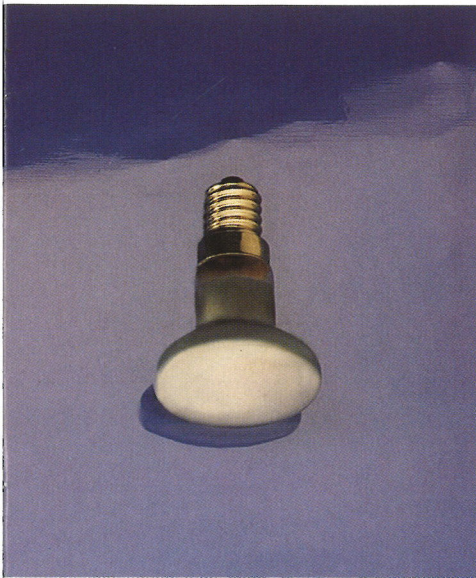


**TUNGSRAM**



***T***HE LARGEST  
REFLECTOR LAMP  
RANGE IN THE  
WORLD.

*There is no manufacturer worldwide who produces a more comprehensive range of reflector lamps. That is why only Tungram can offer the widest variety. This ensures Tungram's dominant place in the lighting market.*

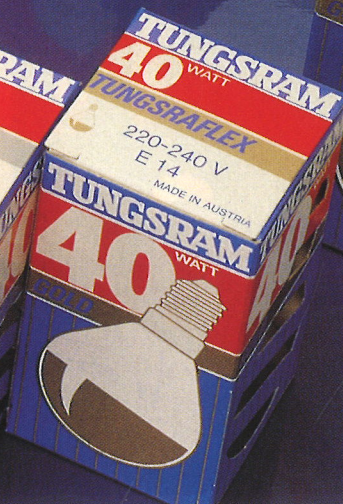


**TUNGSRAM**



**SUCCESSFUL  
QUALITY  
PACKAGING.**

*Attractive eye-catching packaging that captures customers' attention. Packaging that clearly informs the customer of the lamp specification in boxes with bold colours. Combined with a window that allows the customer to see the contents and bar coding if required, an attractive package for all retailers.*



**TUNGSRAM**



**R**EFLECTOR  
LAMPS. SPOT-ON  
PRODUCTION.

*Reflector lamps from Tungram. That is quality in unequalled variety. Ideal for spot-on light in every conceivable size. For presentation in shopwindow, gallery, restaurant, hotel, on facades and in the home. Whenever something has to be*

*shown to its full advantage, with Tungram it is shown at the best light.*

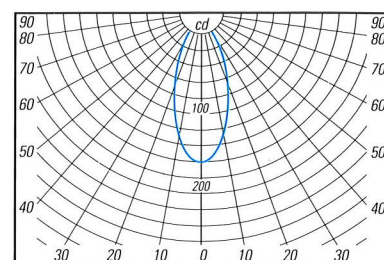
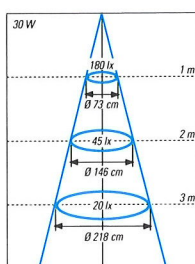
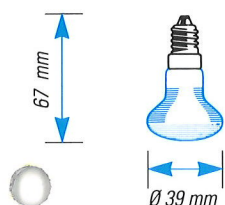




Watt	Cap	Radiation angle	Finish	Utilized flux (lm) <sup>1)</sup>	Colour Temperature (K)	Glas envelope length <sup>2)</sup>	Units per carton <sup>3)</sup>	Outer carton dimensions (cm) <sup>3)</sup>	Dimensions in m <sup>3</sup> /100 pcs. <sup>3)</sup>	Weight in (kg/100 pcs..)
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**R 39**

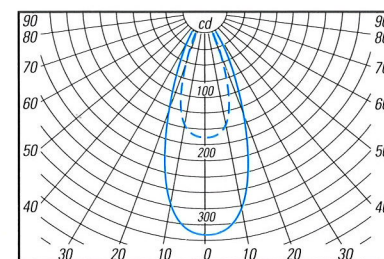
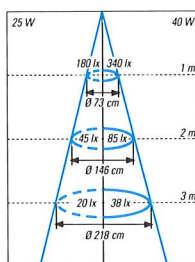
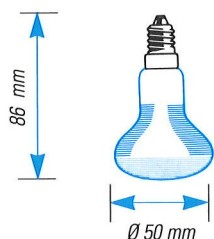
30	E14, B15	40°	satinized silver	180	2700°	59	100	41x21x15	0,013	2,1
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30 W ———

**R 50**

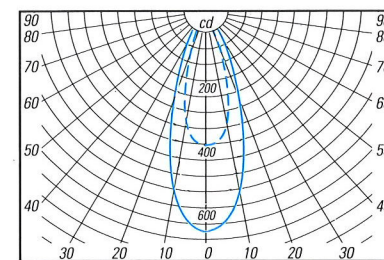
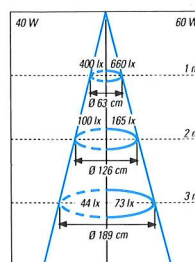
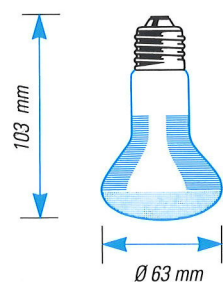
25	E14, B15	40°	satinized silver	175	2700°	70	25 (50)	27x27x11 (27x27x21)	0,032 (0,031)	3,2
40				330						



25 W - - - - -  
40 W ———

**R 63**

40	E27, B22	35°	satinized silver	330	2700°	85	25 (40)	33x33x13 (33x27x24)	0,057 (0,053)	5,6
60				550						



40 W - - - - -  
60 W ———

<sup>1)</sup> LM = the concentrated current of the radiation direction in accordance with the curve of the light distribution.

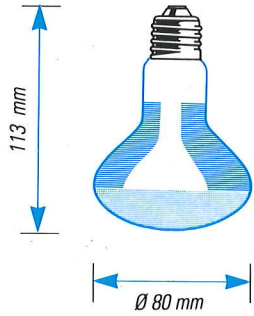
<sup>2)</sup> Glass envelope length = the distance between the largest part of the diameter of the envelope and the bottom of the cap.

<sup>3)</sup> From the end of 1989 the packaging units will be changed. The new units per carton are indicated in brackets.

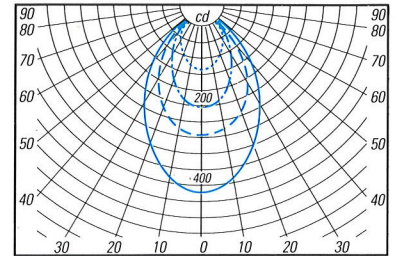
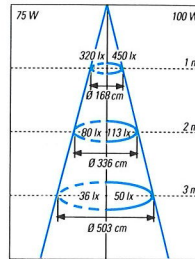
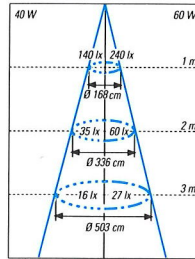
Other types and finishes on request.

Watt	Cap	Radiation angle	Finish	Utilized flux (lm) <sup>1)</sup>	Colour Temperature (K)	Glas envelope length <sup>2)</sup>	Units per carton <sup>3)</sup>	Outer carton dimensions (cm) <sup>3)</sup>	Dimensions in m <sup>3</sup> /100 pcs. <sup>3)</sup>	Weight in (kg/100 pcs.)
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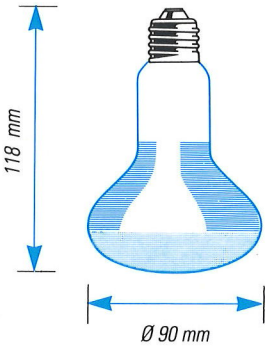
**R 80**



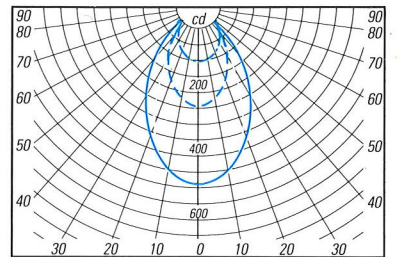
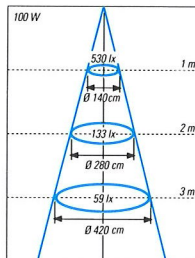
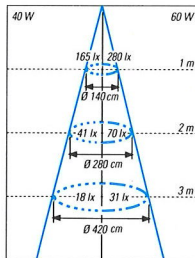
40	E27, B22	80°	satinized silver	320	2700°	90	25 (40)	42x42x14 (42x42x24)	42x42x14 (42x42x24)	8,8
60				540						
75				720						
100				1030						



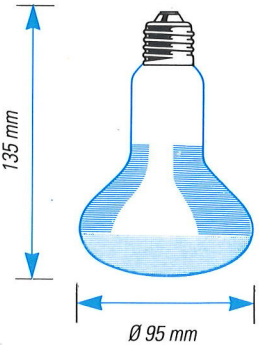
**R 90**



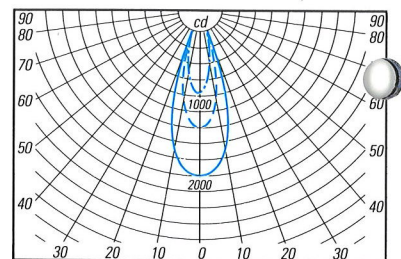
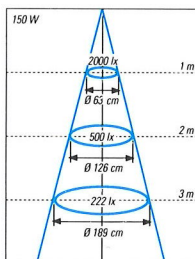
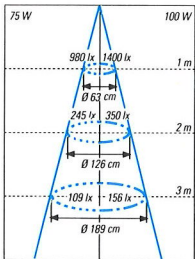
40	E27	70°	satinized silver	320	2700°	93	16 (32)	38x38x14 (38x38x27)	0,126 (0,122)	10,2
60				540						
100				1030						



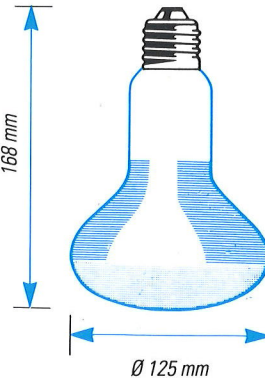
**R 95**



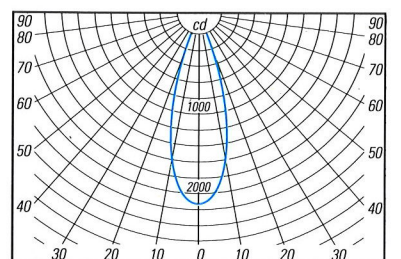
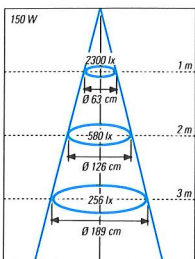
75	E27	35°	satinized silver	730	2700°	110	16 (32)	39x39x16 (39x39x30)	0,152 (0,143)	17,5
100				1040						
150				1520						



**R 125**



150	E27	35°	satinized silver	1520	2700°	140	10	65x26x20	0,169	25,0
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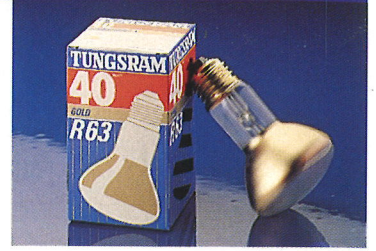


<sup>1)</sup> LM = the concentrated current of the radiation direction in accordance with the curve of the light distribution.

<sup>2)</sup> Glas envelope length = the distance between the largest part of the diameter of the envelope and the bottom of the cap.

<sup>3)</sup> From the end of 1989 the packaging units will be changed. The new units per carton are indicated in brackets.

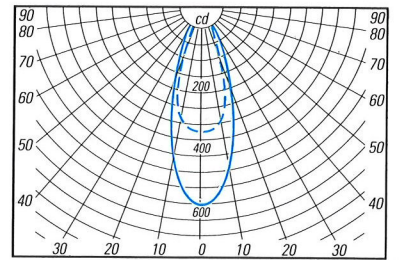
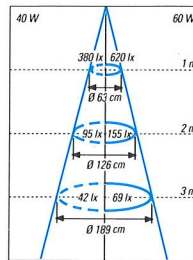
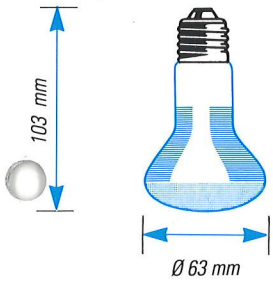
Other types and finishes on request.



Watt	Cap	Radiation angle	Finish	LM (lm) <sup>1)</sup>	Colour Temperature (K)	Glas envelope length <sup>2)</sup>	Units per carton <sup>3)</sup>	Outer carton dimensions (cm) <sup>3)</sup>	Dimensions in m <sup>3</sup> /100pcs. <sup>3)</sup>	Weight in (kg/100 pcs.)
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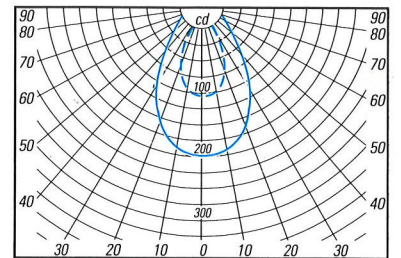
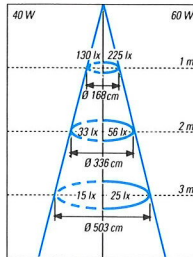
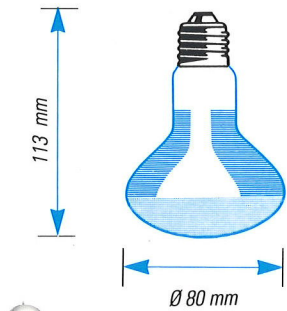
**R 63 GOLD**

40	E27, B22	35°	satinized gold	305	2400 <sup>0</sup>	85	25 (40)	33x33x13 (33x27x24)	0,057 (0,053)	5,6
60				510						



**R 80 GOLD**

40	E27, B22	80°	satinized gold	300	2400 <sup>0</sup>	90	25 (50)	42x42x14 (42x42x24)	0,099 (0,085)	8,8
60				500						

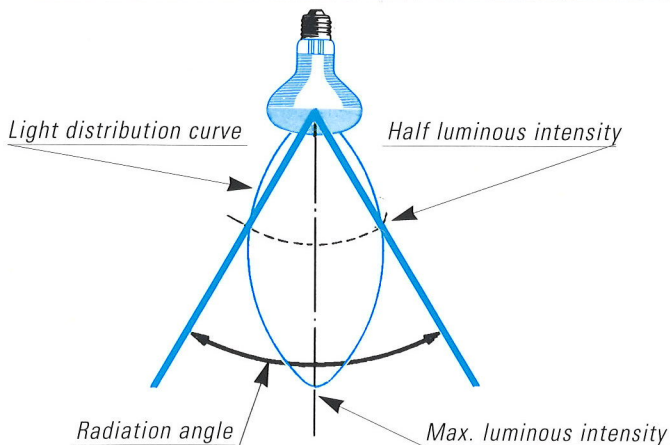


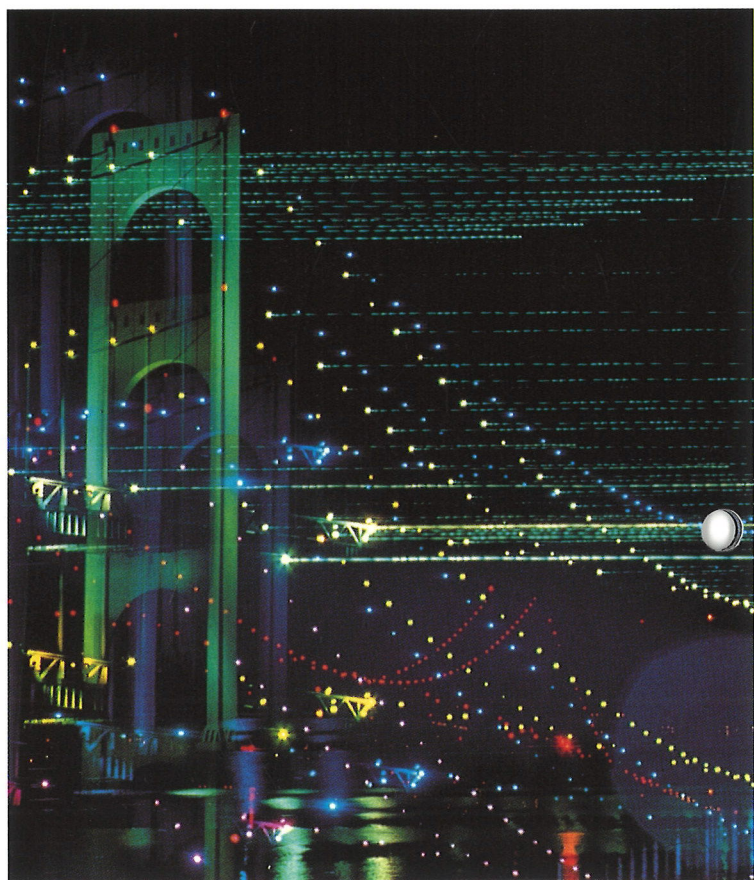
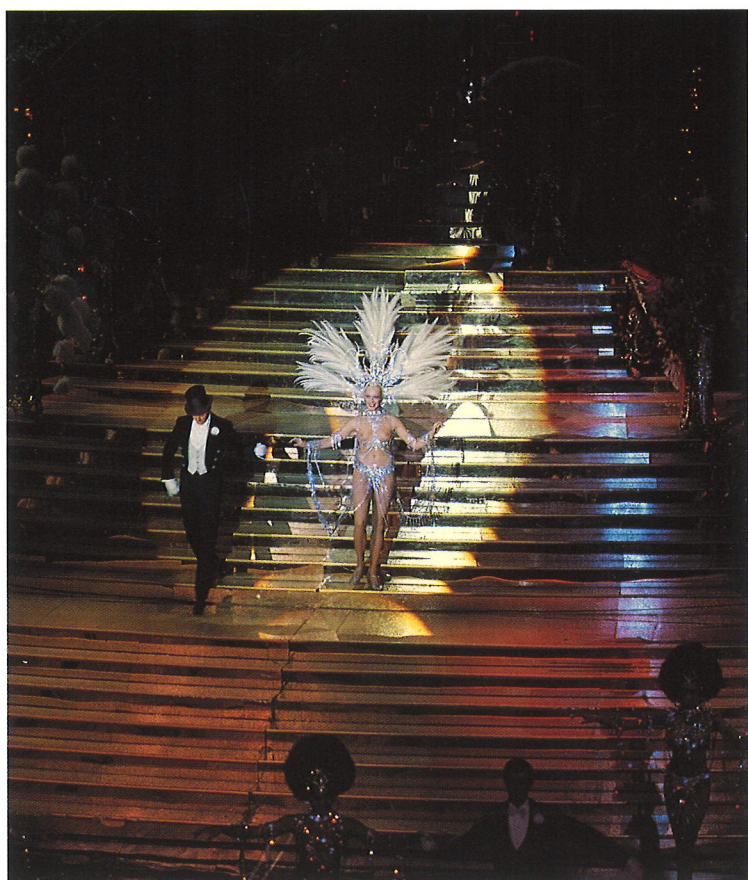
<sup>1)</sup> LM = the concentrated current of the radiation direction in accordance with the curve of the light distribution.

<sup>2)</sup> Glass envelope length = the distance between the largest part of the diameter of the envelope and the bottom of the cap.

<sup>3)</sup> From the end of 1989 the packaging units will be changed. The new units per carton are indicated in brackets. Other types and finishes on request.

**RADIATION ANGLE**





# **H**OLLYWOOD ON OFFER. DISCOLUX

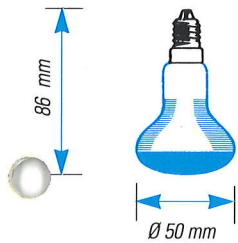
*Special effects wherever there is colourful life and hustle and bustle – in discotheques, bars, boutiques and last but not least within your own four walls. With Tungsram not only the atmosphere is right but also the quality: long life to while away many entertaining hours.*



Watt	Cap	Radiation angle	Finish	Glass envelope length (mm) <sup>1)</sup>	Units per carton <sup>2)</sup>	Outer carton dimensions (cm) <sup>2)</sup>	Dimensions in m <sup>3</sup> /100 pcs. <sup>2)</sup>	Weight in (kg/100 pcs.)
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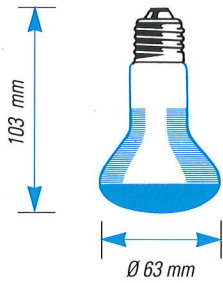
**R 50 DISCOLUX**

25	E14, B15	40°	red, yellow, blue, violet, green, orange	70	25(50)	27x27x11 (27x27x21)	0,032 (0,031)	3,2
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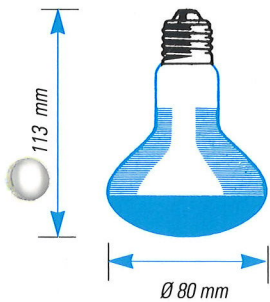
**R 63 DISCOLUX**

40	E27, B22	35°	red, yellow, blue, violet, green, orange	85	25(40)	33x33x13 (33x27x24)	0,057 (0,053)	5,6
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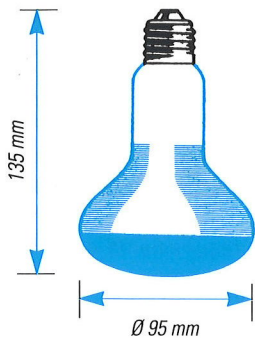
**R 80 DISCOLUX**

60	E27, B22	80°	red, yellow, blue, violet, green, orange	90	25(50)	42x42x14 (42x42x24)	0,099 (0,085)	8,8
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**R 95 DISCOLUX**

100	E27	35°	red, yellow, blue, violet, green, orange	110	16(32)	39x39x16 (39x39x30)	0,152 (0,143)	17,5
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<sup>1)</sup> Glass envelope length = the distance between the largest part of the diameter of the envelope and the bottom of the cap.

<sup>2)</sup> From the end of 1989 the packaging units will be changed. The new units per carton are indicated in brackets. Other types and finishes on request.



**NEODYM.**  
**BRINGS COLOURS**  
**TO LIVE.**

*The speciality of Neodym – without the influence of yellow and red – makes plants appear more beautiful and puts valuable articles in the best light: a painting in the gallery, jewellery in its showcase, a buffet in a restaurant, delicacies in the delicatessen department. Neodym*

*meets the highest requirements of colour reproduction. A light that not only illuminates but sells.*



Watt	Cap	Radiation angle	Finish	LM (lm) <sup>1)</sup>	Colour Temperature (K)	Glas envelope length <sup>2)</sup>	Units per carton <sup>3)</sup>	Outer carton dimensions (cm) <sup>3)</sup>	Dimensions in m <sup>3</sup> /100 pcs. <sup>3)</sup>	Weight in (kg/100 pcs.)
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**R 50 TUNGSRADYM**

25	E14, B15	40°	satinized silver/Neodym	140	2800°	70	25(50)	27x27x11 (27x27x21)	0,032 (0,031)	3,2
40				265						

**R 63 TUNGSRADYM**

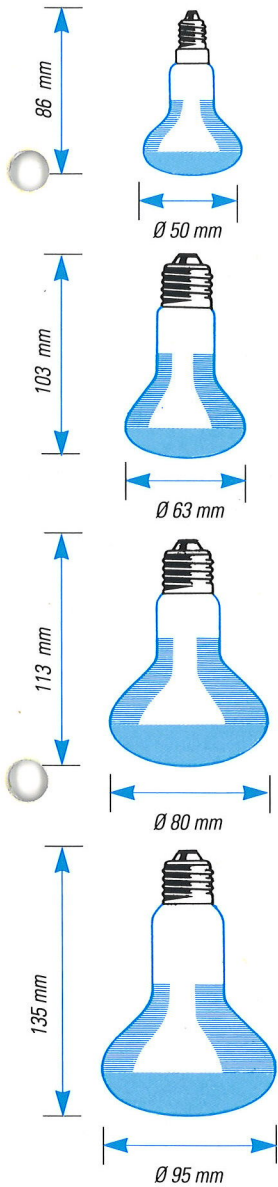
40	E27, B22	35°	satinized silver/Neodym	265	2800°	85	25(40)	33x33x13 (33x27x24)	0,057 (0,053)	5,6
60				440						

**R 80 TUNGSRADYM**

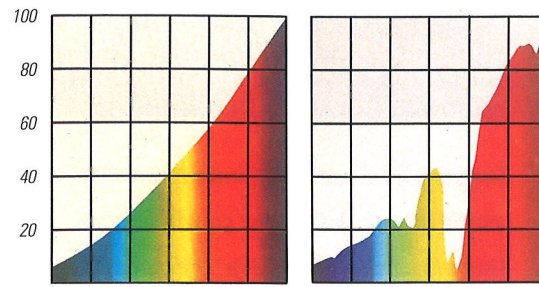
60	E27, B22	80°	satinized silver/Neodym	430	2800°	90	25(50)	42x42x14 (42x42x24)	0,099 (0,085)	8,8
100				825						

**R 95 TUNGSRADYM**

100	E27,	35°	satinized silver/Neodym	830	2800°	110	16(32)	39x39x16 (39x39x30)	0,152 (0,143)	17,5
150				1215						



Relative energy (%)



INCANDESCENT LAMP

NEODYMLAMP

RELATIVE SPEKTRAL ENERGY DISTRIBUTION

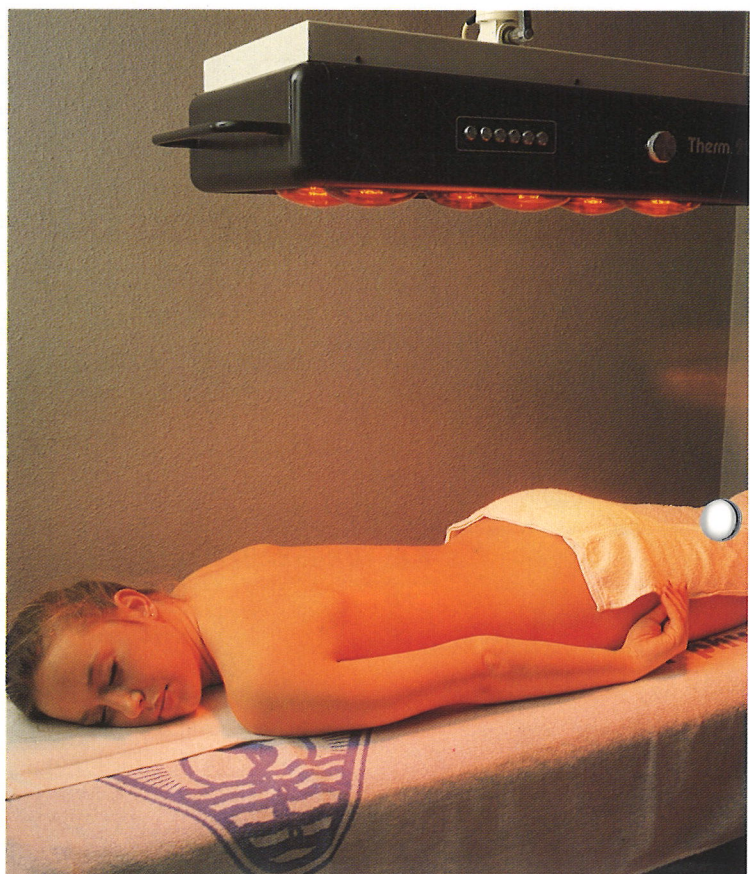
(nm) Wavelength

<sup>1)</sup> LM = the concentrated current of the radiation direction in accordance with the curve of the light distribution.

<sup>2)</sup> Glas envelope length = the distance between the largest part of the diameter of the envelope and the bottom of the cap.

<sup>3)</sup> From the end of 1989 the packaging units will be changed. The new units per carton are indicated in brackets.

Other types and finishes on request.



**I**NFRA-RED  
LAMPS. FOR  
GROWTH AND  
HEALTH.

*Tungram Infra-red lamps make a valuable contribution to the healthy growth of farm animals. They also have therapeutic properties for humans with various medical ailments.*

*Infra-satin lamps are also extremely useful for paint drying in industry.*





Watt	Cap	Radiation angle	Finish	Glass envelope length (mm) <sup>1)</sup>	Units per carton <sup>2)</sup>	Outer carton dimensions (cm) <sup>2)</sup>	Dimensions in m <sup>3</sup> /100 pcs. <sup>2)</sup>	Weight in (kg/100 pcs.)
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**IR 95 INFRARUBIN**

100	E27	35°	satinized <b>Ruby</b>	110	16(32)	39x39x16 (39x39x30)	0,152 (0,143)	17,5
150								

**IR 95 INFRASATIN**

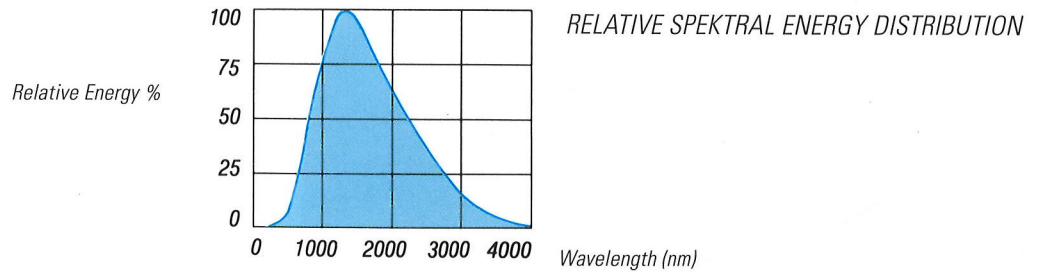
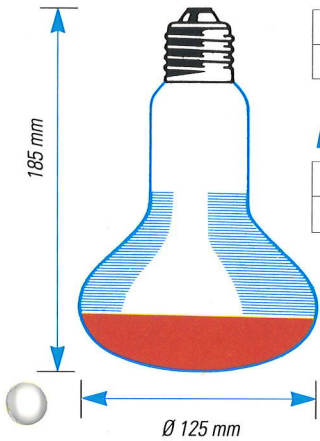
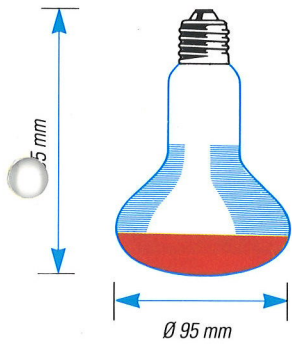
100	E27	35°	satinized <b>Satin</b>	110	16(32)	39x39x16 (39x39x30)	0,152 (0,143)	17,5
150								

**IR 125 INFRARUBIN**

150	E27	40°	satinized <b>Ruby</b>	157	10	64x27x20	0,345	25,0
250								

**IR 125 INFRASATIN**

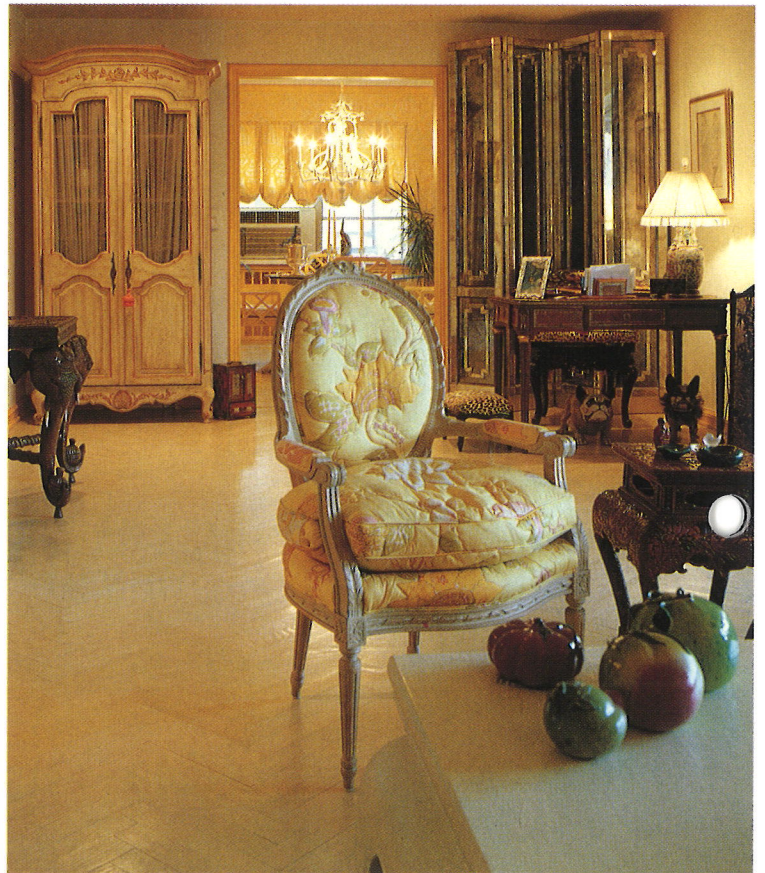
150	E27	40°	satinized <b>Satin</b>	157	10	64x27x20	0,345	25,0
250								



<sup>1)</sup> Glass envelope length = the distance between the largest part of the diameter of the envelope and the bottom of the cap.

<sup>2)</sup> From the end of 1989 the packaging units will be changed. The new units per carton are indicated in brackets.

Other types and finishes on request.



**CROWN**  
**MIRROR LAMPS.**  
**GENTLE LIGHT.**

*Decorative light with beautiful controlled beams that flatter and enhance most objects. For use in cloakrooms, foyers, shops and elegant homes with light that protects the eye from glare.*



Watt	Cap	Finish	Luminous-flux (lm)	Colour Temperature (K)	Units per carton <sup>1)</sup>	Outer carton dimensions (cm) <sup>1)</sup>	Dimensions in m <sup>3</sup> /100 pcs. <sup>1)</sup>	Weigth int (kg/100 pcs.)
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**CROWN MIRRORED GLS**

40	E27, B22	satinized silver-clear	290	2700 <sup>0</sup>	25 (40)	31x31x12 (31x26x24)	0,046 (0,048)	5,6
60			510					
100			1050					
						37x37x14 (35x35x24)	0,077 (0,059)	6,5

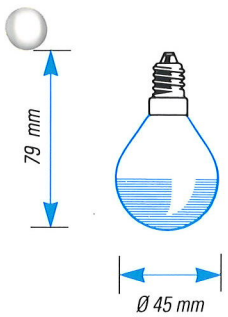
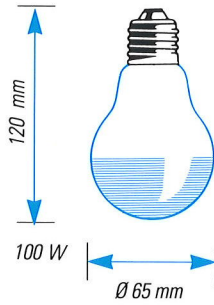
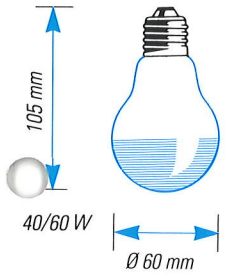
40	E27, B22	satinized silver-frosted	270	2700 <sup>0</sup>	25 (40)	31x31x12 (31x26x24)	0,046 (0,048)	5,6
60			460					
100			950					
						37x37x14 (35x35x24)	0,077 (0,059)	6,5

40	E27, B22	satinized gold-clear	290	2700 <sup>0</sup>	25 (40)	31x31x12 (31x26x24)	0,046 (0,048)	5,6
60			510					
100			1050					
						37x37x14 (35x35x24)	0,077 (0,059)	6,5

**CROWN MIRRORED ROUND BULBS**

25	E14, B15	satinized silver-clear	170	2700 <sup>0</sup>	100	24x47x18 (21x43x24)	0,021 (0,022)	3,4
40			290					

25	E14, B15	satinized gold-clear	170	2700 <sup>0</sup>	100	24x47x18 (21x43x24)	0,021 (0,022)	3,4
40			290					



<sup>1)</sup> From the end of 1989 the packaging units will be changed. The new units per carton are indicated in brackets. Other types and finishes on request.



*GE - Tungram Lighting Ltd*

**TUNGSRAM** light

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**TUNGSRAM**