

ecoBright® RSK™ Reflectors

Technical Information



Made in the European Union to ISO9001 standards

Description: The *ecoBright® RSK™ Reflector* is a specular parabolic reflector that can be retrofit mounted onto linear fluorescent lamps to produce a narrow, wide or ultra-wide light beam and adjustable direction.

Types & Applications: Three types of reflectors exist to be used in conjunction with linear fluorescent lamps:

Reflector Name	Feature	Application
<i>ecoBright® RSK™ Reflector</i>	narrow beam	for T5 & T8 lamps for installations at heights greater than 5m
<i>ecoBright® RSK-E™ Reflector</i>	wide beam	for T5 & T8 lamps for installations at heights greater than 3 - 5m
<i>ecoBright® RSK-N™ Reflector</i>	ultra-wide beam	for T5 & T8 lamps for installations at heights less than 3m

Materials: Manufactured from synthetic multi-layered material with specular aluminium coating of high purity (99.9%) through PVD (Physical Vapour Deposition) technology. A second protective transparent film covers the outer surface making the reflector resistant to oxidation and scratching.

Reflectivity: The reflectance is 85%.

Light Output Ratio: LOR is between 85-95%.

Effect on CRI: Not subject to iridescence due to refraction that arises from surface corrosion and therefore it does not affect the Colour Rendering Index (CRI).

Reflector Weight: Very lightweight, 50% lighter than aluminium and 85% lighter than iron sheet.

Dimensions:

Type	Length (mm)	Type	Length
T8 x 18W	580	T5 x 14W	540
T8 x 36W	1180	T5 x 28W	1140
T8 x 58W	1480	T5 x 35W	1440



Technical Information

Metrics:

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|--|-------|------------------------------|------------|
| • Dimensional stability under pressure | 240°C | • Low temperature resistance | -196°C |
| • Dimensional stability under tension | 240°C | • Flammability | UL94 VTM-2 |
| • Continuous heat resistance | 130°C | • Glow wire test | 750°C |
| | | • UL listed material | Yes |

Models and Light Distribution Curves

<p>RSK</p>	<p>Code Type</p> <p>For single luminaires with T8 lamps, narrow beam</p> <p>N41512 RSK 1x18W T8 N41513 RSK 1x30W T8 N41514 RSK 1x36W T8 N41515 RSK 1x58W T8</p> <p>For single luminaires with T5 lamps, narrow beam</p> <p>N41532 RSK 1x14W-1x24W T5 N41533 RSK 1x21W-1x39W T5 N41534 RSK 1x28W-1x54W T5 N41535 RSK 1x35W-1x49W-1x80W T5</p>	
<p>RSKE</p>	<p>For single and double luminaires with T8 lamps, wide beam</p> <p>N41522 RSKE 1x18W T8 N41523 RSKE 1x30W T8 N41524 RSKE 1x36W T8 N41525 RSKE 1x58W T8</p> <p>For single and double luminaires with T5 lamps, wide beam</p> <p>N41542 RSKE 1x14W-1x24W T5 N41543 RSKE 1x21W-1x39W T5 N41544 RSKE 1x28W-1x54W T5 N41545 RSKE 1x35W-1x49W-1x80W T5</p>	
<p>RSKN</p>	<p>For single and double luminaires with T8 lamps, ultra-wide beam</p> <p>N41822 RSKN 1x18W T8 N41823 RSKN 1x30W T8 N41824 RSKN 1x36W T8 N41825 RSKN 1x58W T8</p> <p>For single and double luminaires with T5 lamps, ultra-wide beam</p> <p>N41832 RSKN 1x14W-1x24W T5 N41833 RSKN 1x21W-1x39W T5 N41834 RSKN 1x28W-1x54W T5 N41835 RSKN 1x35W-1x49W-1x80W T5</p>	

length	RSK-RSKE-RSKN type	580mm	1x18W	880mm	1x30W	1180mm	1x36W	1480mm	1x58W	540mm	1x14 / 24W	840mm	1x21 / 39W	1140mm	1x28 / 54W	1440mm	1x35 / 49W / 80W
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Light distribution curves

<p>for single lamp</p>	<p>RSK 1x36 T8</p>	<p>RSKE 1x36 T8</p>	<p>RSKN 1x36 T8</p>	<p>RSK 1x28 T5</p>	<p>RSKE 1x28 T5</p>	<p>RSKN 1x28 T5</p>
<p>for double lamp</p>	<p>RSKE 2x36 T8</p>	<p>RSKN 2x36 T8</p>	<p>RSKE 2x28 T5</p>	<p>RSKN 2x28 T5</p>		

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