



*Lantal's new lightweight carpets:
Wool/Polyamide light ; Polyamide light*

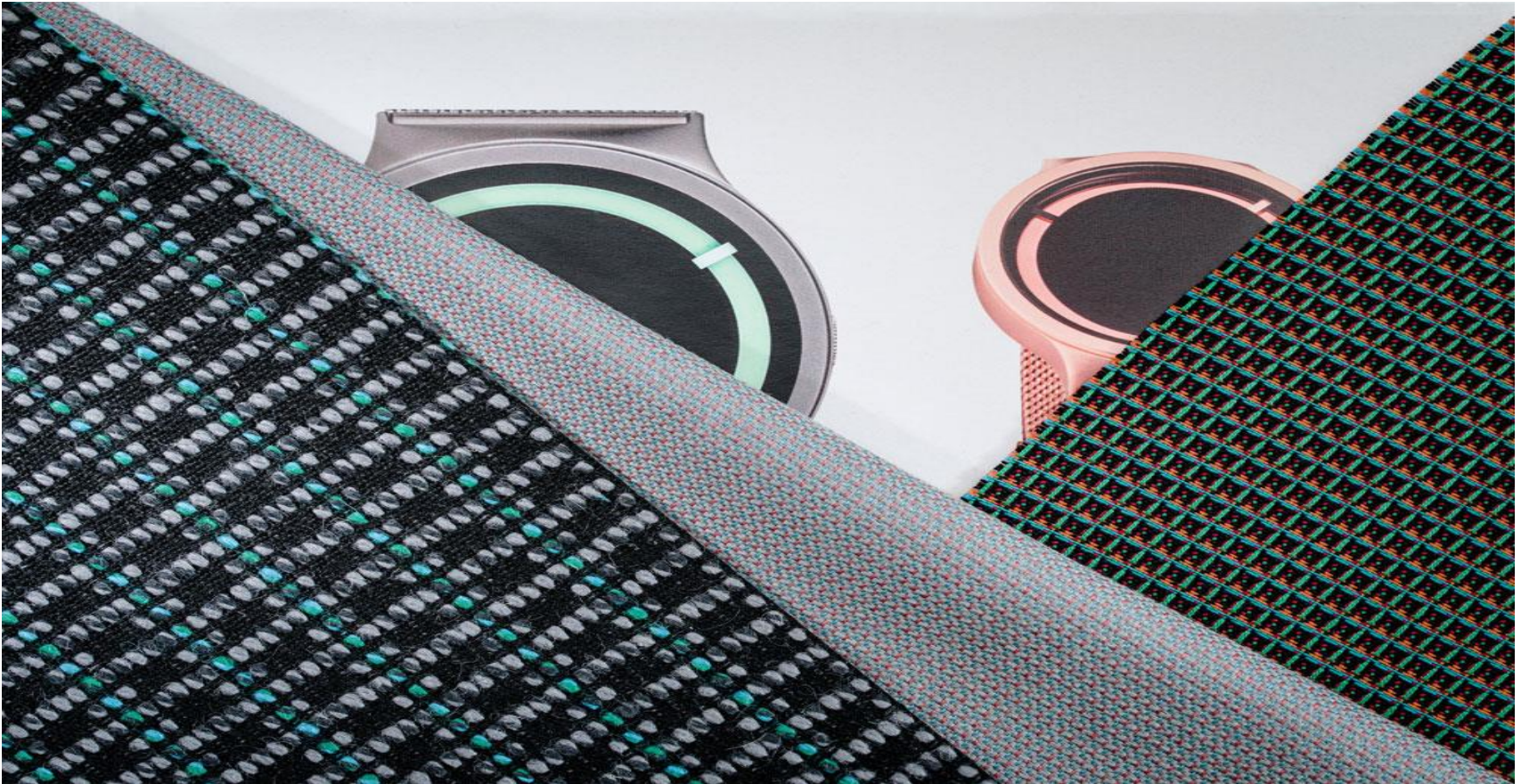


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Lightweight carpets

Fore-sight

One of Lantal's core values is fore-sight. Following this, Lantal developed a selection of weight saving carpets, matching different operator's needs. The distinctive features that all of Lantal's lightweight carpets have in common are:

Cost optimization

- Reduced kerosene consumption



Sustainability

- Lower CO₂ emissions



Lightweight carpets

Lantal portfolio

Wool/Polyamide light

Composition 80% Wool /20% Polyamide
Weight 1'080 – 1'370 g/m²(+/-5%)
Width 200 cm / 252 cm
MoQ 200 lfm



Polyamide light

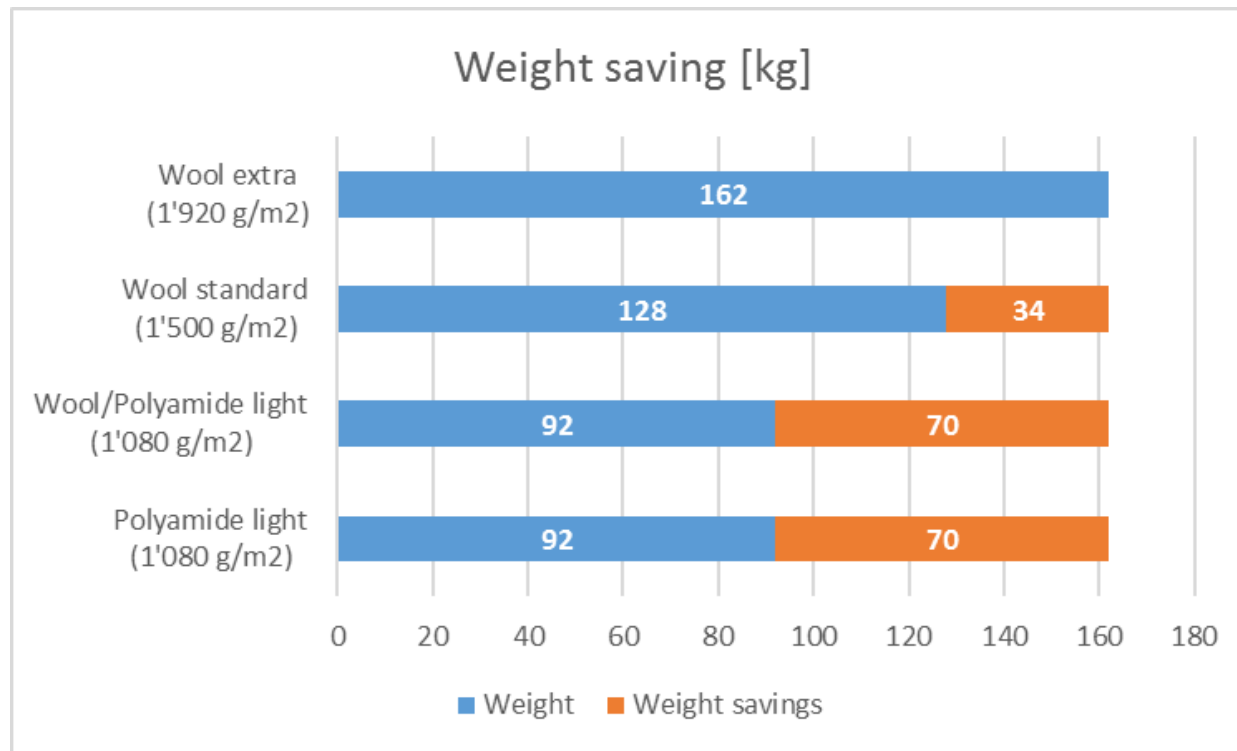
100% Polyamide
1'080 – 1'210 g/m² (+/-5%)
200 cm / 252 cm
1'000 lfm



Lightweight carpets

Weight savings

For a A320 using 85 m² carpet the following weight savings can be achieved when compared with standard wool carpets with Lantal's new lightweight carpet qualities:



Lightweight carpets

Weight savings

The minimized weight leads to several advantages:

- Reduced kerosene consumption
- Lower CO₂ emissions
- Cost savings
- Easy to handle (ergonomics)
- Reduced logistic costs
- More payload possible

A reduced weight of 64 kg leads to 145 tons less kerosene consumption and therefore reduced CO₂ emissions of 450 tons per year.

Lightweight carpets

Wool/Polyamide light - Key features

Minimized weight

The conditioned weight is 1'080 g/m², 32 oz/sy, to 1'370 g/m², 40 oz/sy tolerance \pm 5%.

Service lifetime

- Aisles: 1'080 – 1'290 g/m²: approx. 3 – 6 months
 >1'300 g/m²: approx. 6 – 12 months
- under seats: 1'080 – 1'290 g/m²: approx. 10 – 18 months
 >1'300 g/m²: approx. 12 – 18 months

Hardwearing: Hexapod test grade 3.5 – 4.0 out of 5

Brightening: Less optical brightening than standard wool carpets in use, due to the share of polyamide fiber

Soiling: Wool has an inbuilt resistance which acts as a shield against dirt

Dimensional stability

Very good dimensional stability \pm 0.5%

Design

1-frame; simple designs enriched with mouliné

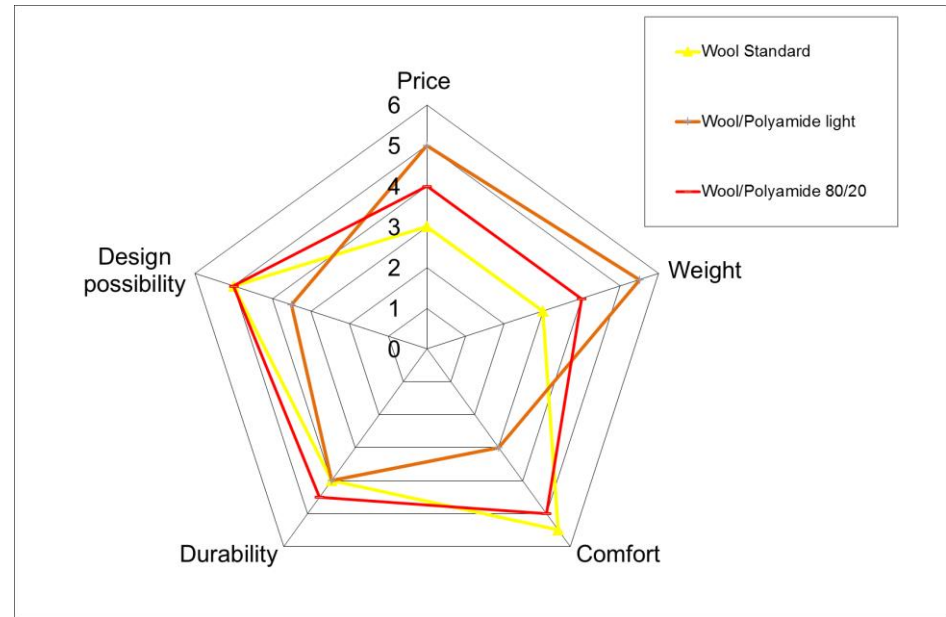


Lightweight carpets

Wool/Polyamide light - Technical Data

Wool/Polyamide light

Composition	80% Wool 20% Polyamide
Weight	1'080– 1'370 g/m ² (+/-5%)
Design	1-frame / mouliné
Width	200 cm / 252 cm
MoQ	200 lfm
Qualification	Airbus: Qualified Boeing: Not possible



Lightweight carpets

Polyamide light - Key features

Minimized weight

The conditioned weight varies from 1080 g/m², 32 oz/sy to 1210 g/m², 36 oz/sy tolerance $\pm 5\%$.

Service lifetime

- aisles approx. 9 - 12 months
- under seats approx. 16 - 22 months

Hardwearing: Hexapod test grade 4.25 out of 5

Brightening: No optical brightening in use

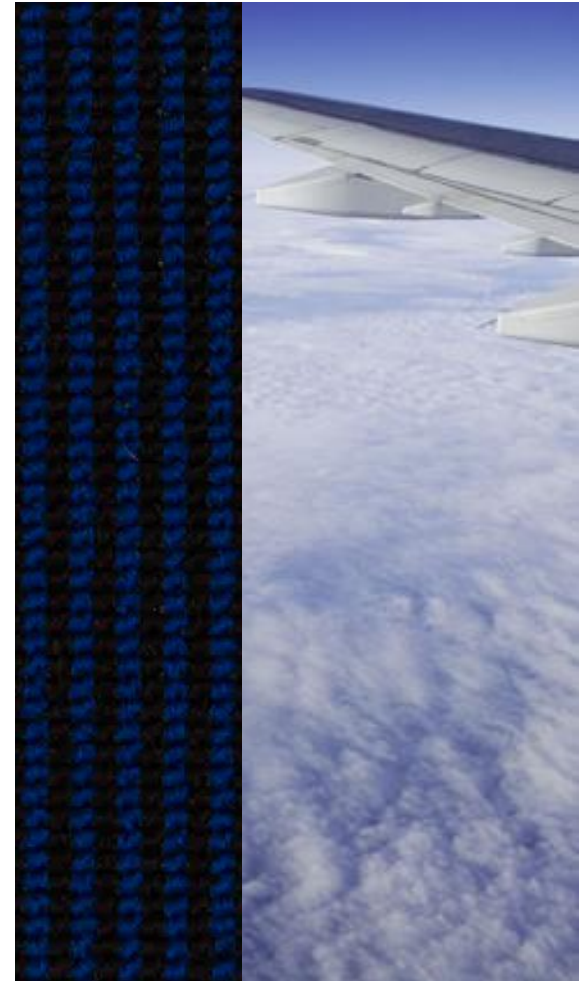
Soiling: The new generation of the polyamide yarn minimizes soil adhesion, nevertheless easier soiled than wool.

Dimensional stability

Very good dimensional stability $\pm 0.5\%$

Design

1-frame; simple designs enriched with mouliné



Lightweight carpets

Wool/Polyamide light – Technical Data

Polyamide light

Composition

100% Polyamide

Weight

1'080 – 1'210 g/m² (+/-5%)

Design

1-frame / mouliné

Width

200 cm / 252 cm

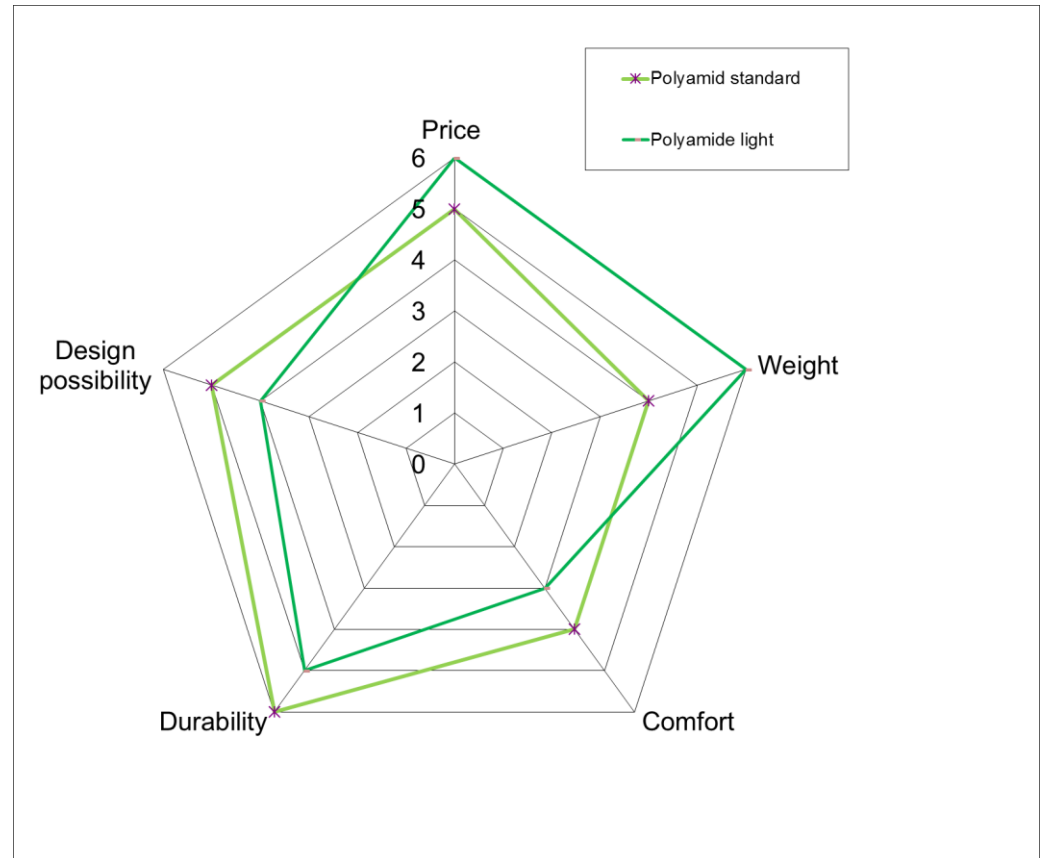
MoQ

1'000 lfm

Qualification

Airbus: Qualified

Boeing: Not possible



Lightweight carpets

Features overview

Criteria	Wool/Polyamide light	Polyamide light
Weight (g/m2)	1080 – 1370 g/m2	1150 - 1210 g/m2
Lifetime aisle (experience)	1'080 – 1'290 g/m²: 3 – 6 months >1'300 g/m²: 6 – 12 months	9 - 12 Months
Lifetime under seat (experience)	1'080 – 1'290 g/m²: 10 – 18 months >1'300 g/m²: 12 – 18 months	16 - 22 Months
Abrasion	Very good	Excellent
Design possibility	1-frame (mouliné)	1-frame (mouliné)
Flammability-, Smoke-, Tox- Properties	passed	passed
Dimensional stability (%)	+/- 0.5	+/- 0.5
Sampling, Leadtime (customized w. standard colors)	4 - 6 Wo	6 - 8 Wo
Installation	Self adhesive coating or double sided tape	Self adhesive coating or double sided tape
Serging	Optional serging	Optional serging
Airbus BFE Qualification Status	Qualified 😊	Currently beeing qualified
Boeing Qualification Status	Not possible (too light)	Not possible (too light)
Cleaning	Spray extraction	Spray extraction
Application	Short- and middle- range	Short- and middle- range

Lantal

