



LPFLEX

Light Emitting Design

The original –
Premium full acrylic letters for
best possible attention

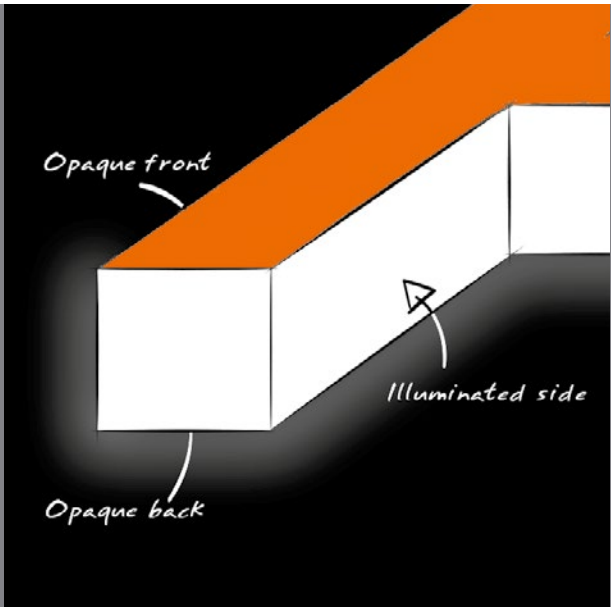


THE ORIGINAL – PREMIUM SOLID ACRYLIC LETTERS

To create the highest possible attention!

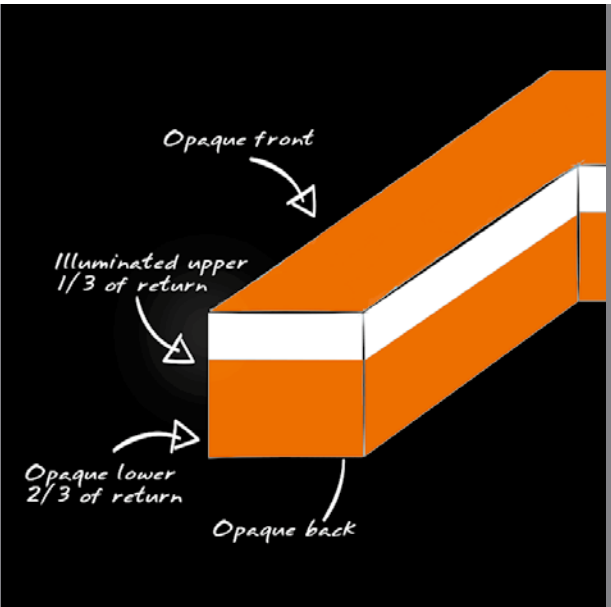
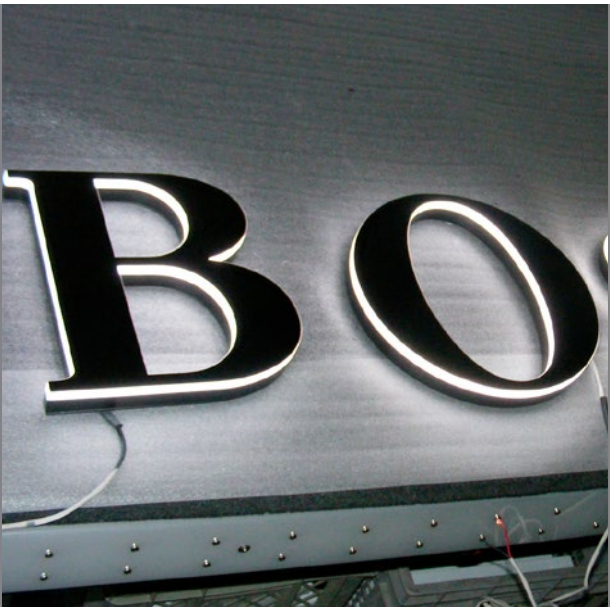
Our solid acrylic letters of the **LPFLEX** product family offer the best possible illumination in even the smallest space via single LED assignment – **LPFLEX** is versatile and offers project-specific solutions.

In addition to **LPFLEX**, we also offer efficient SMD-stripe variants in a separate product line.



LP 1 – Fully side-lit letters

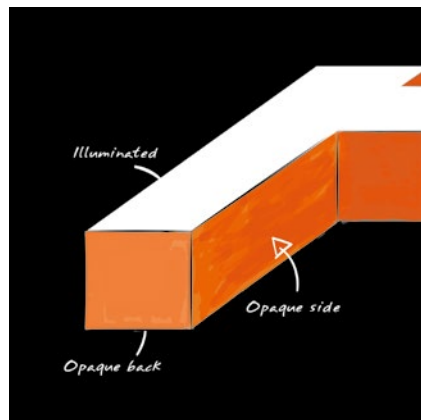
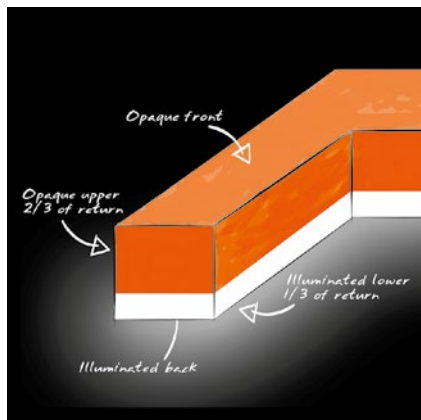
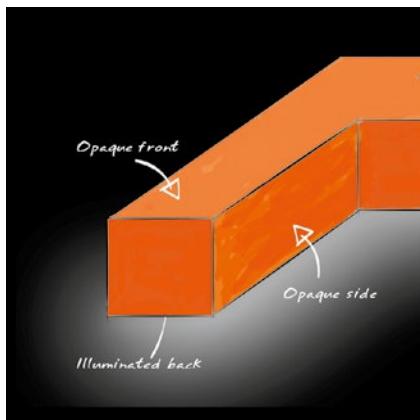
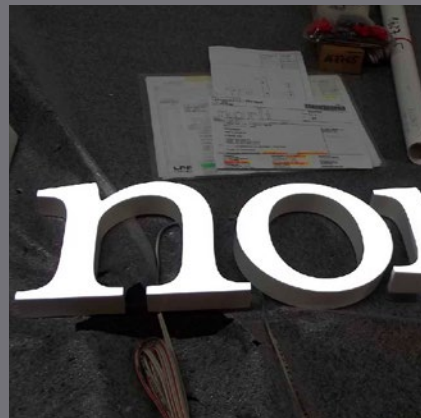
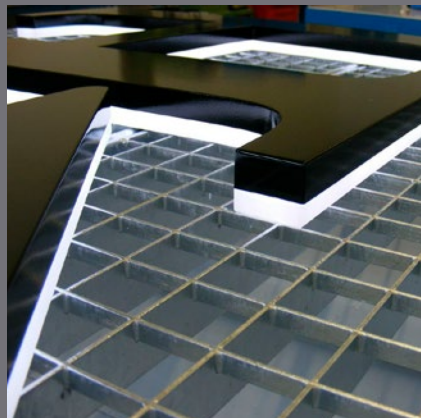
Faces:	opaque, typically vinyl but metal overlays possible
Returns:	fully illuminated
Backs:	blockout vinyl
Letter thickness:	15 – 30 mm
Example:	Torshov Sport



LP 1 – Partial side-lit letters

Faces:	opaque, typically vinyl but metal overlays possible
Returns:	upper 1/3 portion illuminated, rest painted opaque
Backs:	blockout vinyl
Letter thickness:	20 – 30 mm
Example:	HUGO BOSS

LPFLEX LETTER PROFILES



LED unit for use in blade signs and lightboxes.

LP 3 – Halo-lit letters

Faces:	Painted opaque
Returns:	Painted opaque
Backs:	Illuminated, diffuser vinyl applied
Letter thickness:	15 – 30 mm
Example:	Stockholm Gas

LP 3 – Halo-lit and partial side-lit letters

Faces:	Painted opaque
Returns:	Lower 1/3 portion illuminated, rest painted opaque
Backs:	Typically illuminated, diffuser vinyl applied
Letter thickness:	20 – 30 mm
Example:	HSBC

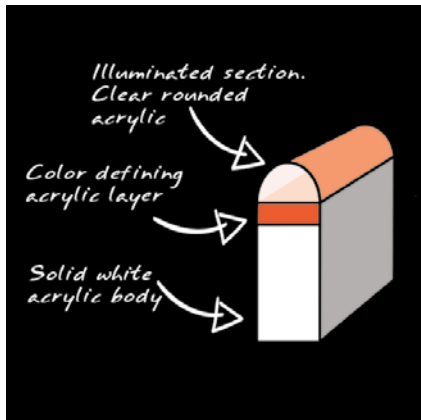
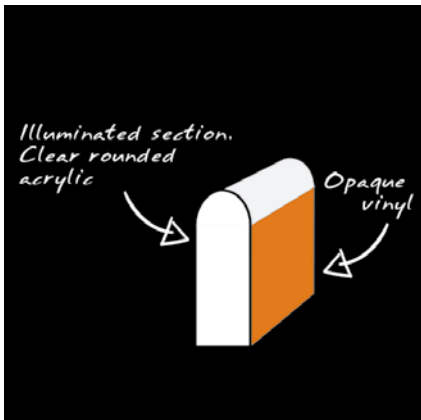
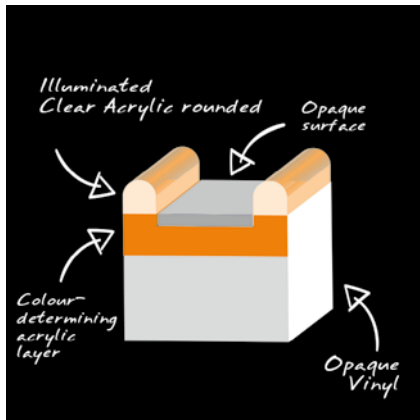
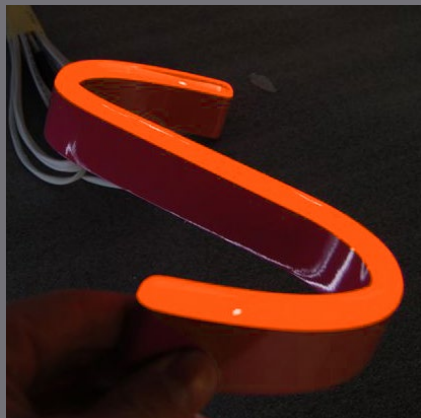
LP 4/6 – Face-lit letters

Faces:	Illuminated
Returns:	Painted opaque (optionally upper 1/3 portion illuminated)
Backs:	Painted opaque
Letter thickness:	30 – 33 mm
Example:	norli
LP 6:	Lasercut possible

LP 5 – Push-through

Faces:	Illuminated/ opaque vinyl
Returns:	Illuminated (can be painted on request)
Backs:	Opaque vinyl
Letter thickness:	3 – 20 mm
Example:	KICKS

LPFLEX LETTER PROFILES



LP 7 - Neon-look mini

Exposed outline to imitate double-stroke neon, white lit. Completely rounded in router finish

Width of outline:	6 mm
Faces:	outline illuminated, rest of face recessed with 1mm metal inlay
Returns:	opaque portions in opaque vinyl
Backs:	blockout vinyl
Letter thickness:	30 mm, depends from finish

Example: mayday

LP 9 - Neon-look standard

Solid white acrylic with completely rounded edges in router finish.

Continuous stroke:	12 mm or 16 mm
Faces:	illuminated
Returns:	opaque vinyl
Backs:	blockout vinyl
Letter thickness:	30 mm

Example: KICKS

LP 9 - Neon-look Premium

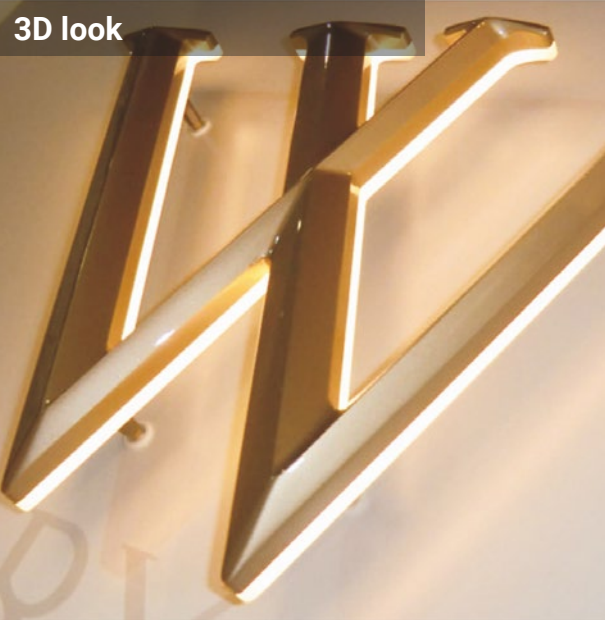
White acrylic body with colored acrylic face. Clear overlay with rounded and polished edges. Continuous stroke of 12mm or 16mm.

Faces:	illuminated (color determined by acrylic face – middle layer)
Returns:	opaque vinyl
Backs:	blockout vinyl

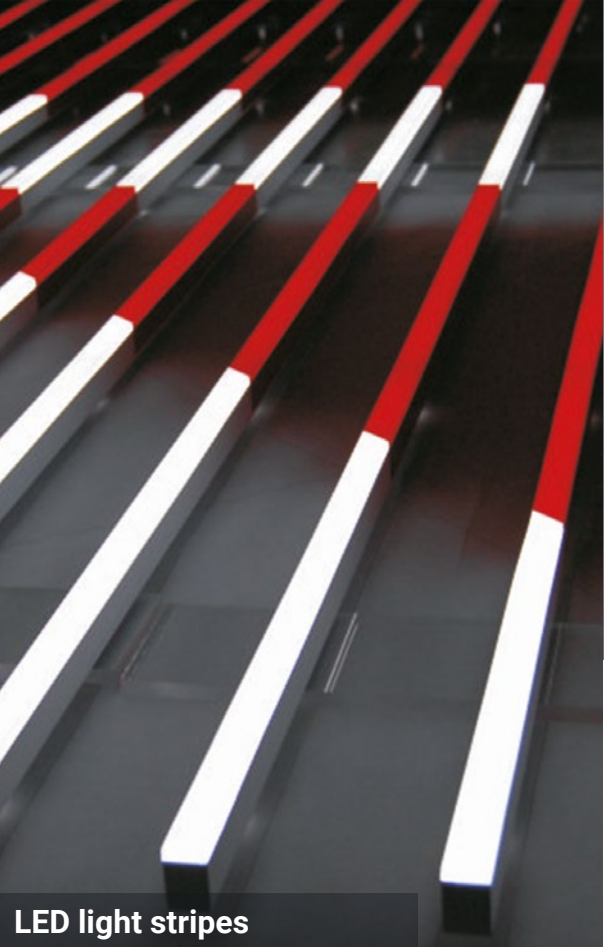
Letter thickness: 36 mm

Example: DKNY

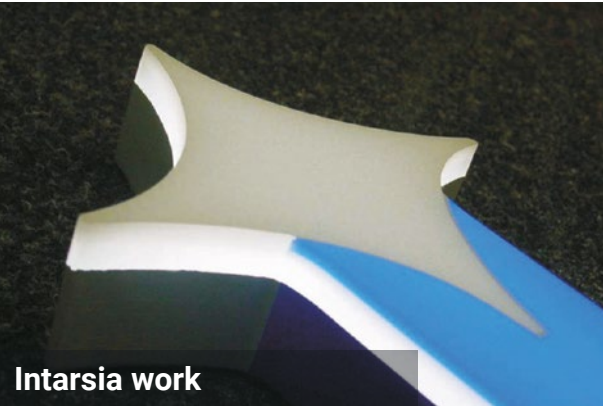
3D look



Illuminated fascia elements



LED light stripes



Intarsia work

Custom solutions



Different fonts



Complicated structures

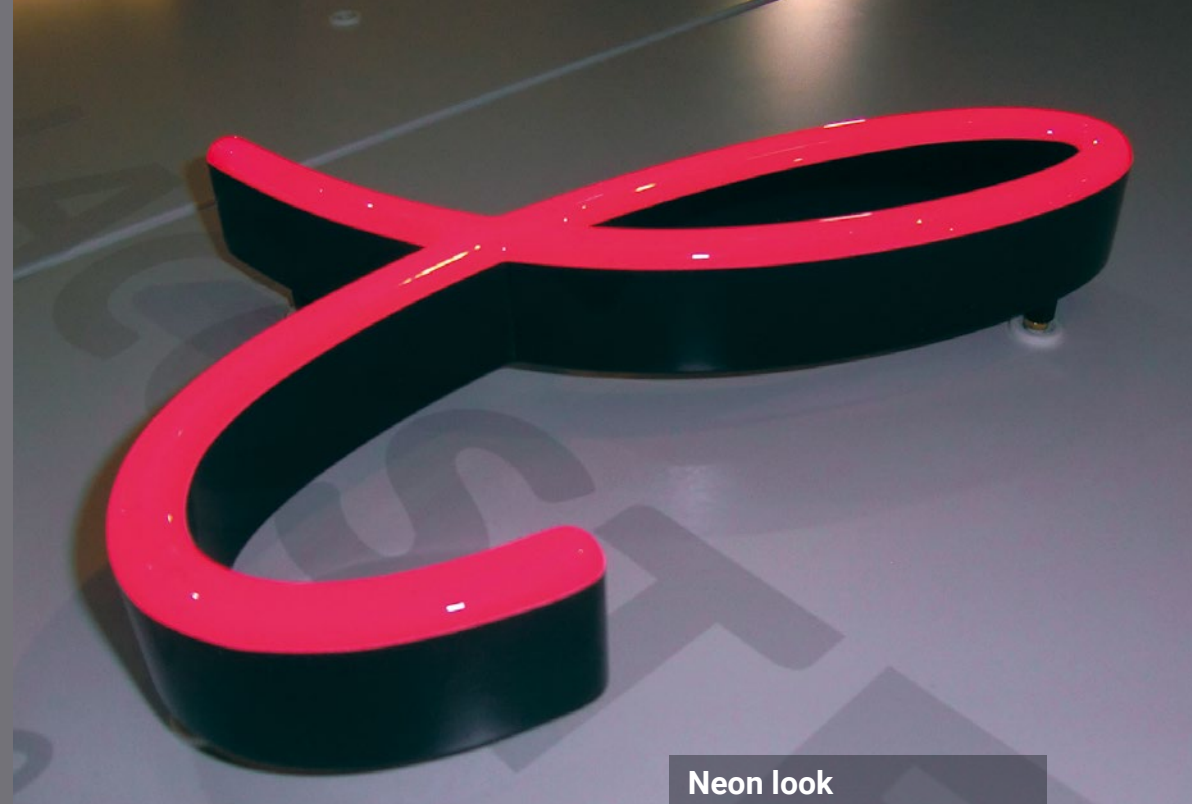


Visible LED look



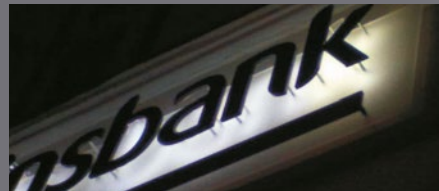
UNLIMITED POSSIBILITIES

Neon look



Problem

Replacement letters don't fit in existing letterset



Quality Circle Solution

LPFLEX = specified LED color/
replacement letter fit



Problem

Unintentional "hot spots" due to
unsifficant LED population



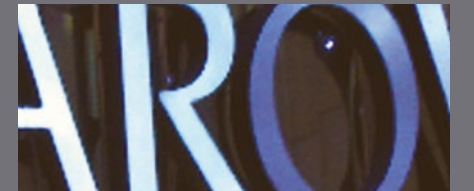
Quality Circle Solution

LPFLEX = individually placed LEDs
(controlled lighting)



Problem

Fading to blue or yellow (color-shift)



Quality Circle Solution

LPFLEX =
stable white color



Problem

High light-loss (degradation)



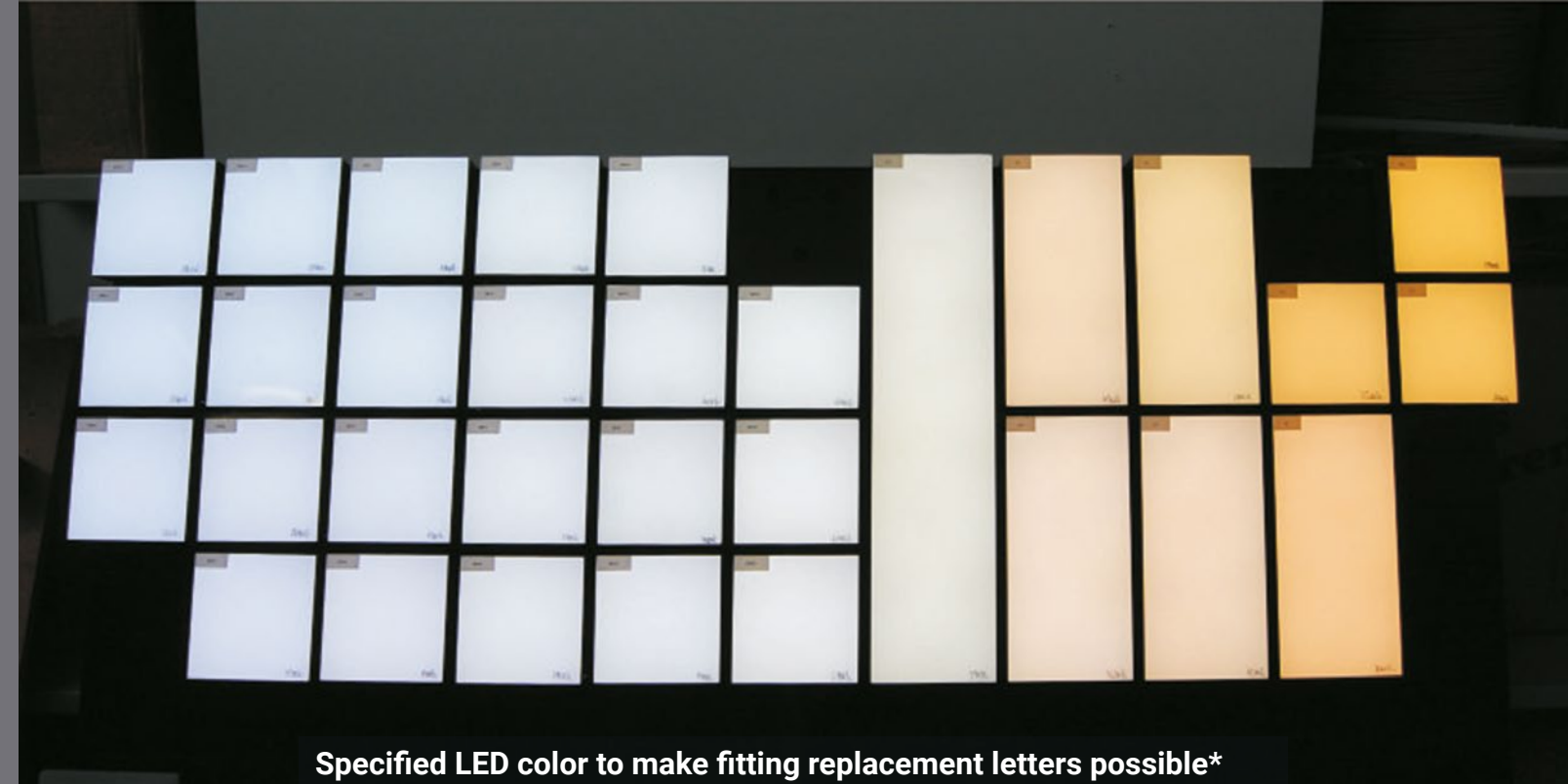
Quality Circle Solution

LPFLEX =
low light-loss over time





Own binning robot to sort LEDs



Specified LED color to make fitting replacement letters possible*

LPFLEX = 100% QUALITY



Mass production



Low degradation means less than 10% light loss in 36 month*



Single LEDs for homogeneous and consistent look



No color-shift/LEDs are not turning blue or yellow*

THE MAAS+ROOS 360° SUSTAINABILITY APPROACH

Sustainability has always been a high priority at **MAAS+ROOS** and it is part of our corporate culture. We see it as our entrepreneurial duty to protect our resources and the environment.

We do not primarily focus on the trading of emissions. Instead, we lower our emissions and use of raw materials in production and logistics.

We complete this approach by recycling everything from aluminium and steel to packaging materials like cardboard and plastic wrapping.



Production

State-of-the-art production facilities
Solvent free powders and waterbased paints
Certification: ISO 9001 and ISO 14001



Recycling

We separate over 25 materials and return them into the circulation

Fine-particle dust extraction throughout entire production area

ISO 14001 certification underlines a comprehensive environmental policy

Logistics

Co2 savings through production closer to the customer - in Germany, Dubai and India

CO2 savings through optimized logistics routes and group transports

Reduction of packaging materials through delivery to many markets with own means of transport

LPA FLEX
LIGHT EMITTING DESIGN