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SPECIFICATION SHEET

Product Name:

Premium 14-Grid Hexagon LED Lighting System with Border – 6000K (Model: ST-14HEX-6K-BDR)

General Description:

A bold, modular LED lighting system composed of 14 bordered hexagon panels. Designed for high-brightness lighting with a clean, modern aesthetic. Built for quick and easy installation. Ideal for garages, gyms, detailing studios, bars, showrooms and other contemporary spaces.

Features:

Feature	Description
Design	14 hexagon tiles with border; modular/faceted aesthetic
Finish / Casing Material	Polycarbonate
Light Colour / Colour Temperature	6000-6500 Kelvin (Daylight White)
Wattage	600 W total
Operating Voltage	110-265V AC
Current Draw	8.4 A
Luminous Output (Lumens)	Approx. 65,500 lm
Lifespan	30,000+ hours
Warranty	3 years
Water / Dust Resistance	IP44
Dimmable	Non-dimmable
Mounting Options	Flush ceiling mount or suspended kit (suspension kit sold separately)
Weight / Build	Lightweight design; robust and durable materials

Technical Data:

- Model Number: **ST-14HEX-6K-BDR**
 - Colour: Daylight White, ~6000 K
 - Rated Power: **600 W**
 - Voltage: **110-265 VAC**
 - Current: **8.4 A**
 - Luminous Flux: ~**65,500 lm**
 - Ingress Protection: **IP44** (splash/dust protection but not fully waterproof)
 - Lifetime: ≥ **30,000 hours**
 - Warranty Period: **3 years**
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Mechanical / Installation Data:

Parameter	Detail
Module Count	14 hexagon panels arranged in grid with border
Material	Polycarbonate (outer casing)
Mounting Fixings	All fixings included for basic installation; suspension kit available separately
Mounting Styles	Flush-mount ceiling; suspended mounting (for floating or decorative effect)
Installation Ease	Plug-and-play system; designed for minimal wiring complexity

Safety & Compliance:

- Operates across wide voltage range: 110-265V AC
- Built with safety in mind — durable casing, proper insulation, and rated ingress protection IP44
- Warranty covers manufacturing defects under normal usage according to manufacturer's guidelines

Use Cases & Applications:

- Car garages & detailing bays – bright uniform light for precision work
 - Fitness studios & home gyms – daylight white light to maintain energy & alertness
 - Retail Shops & Bars – modern lighting design to enhance ambience & product visibility
 - Creative workspaces, man caves, game rooms – stylish, striking lighting centerpiece
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Remarks:

- Non-dimmable: For applications needing dimming, an alternative product or external dimming solution would be required
- Suspension kit not included: If a floating or dropped ceiling look is desired, purchase suspension accessories separately
- Ensure ceiling/support structure can bear the combined weight of the 14 hex panels and mounting system
- For IP44 rated products, avoid exposing to heavy moisture or outdoor weather unless further waterproofing is applied