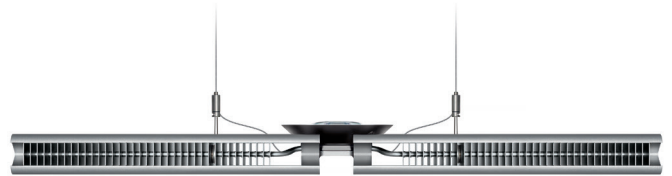# TECHNICAL SPECIFICATION

Cu-Beam™ suspended lights provide powerful light, precisely where you need it. Heat pipe technology creates a highly effective cooling system, meaning each light can use a single high-power, high-efficiency chip on board LED. This single light source, combined with a custom-designed PMMA lens, delivers optically efficient, precisely controlled illumination.
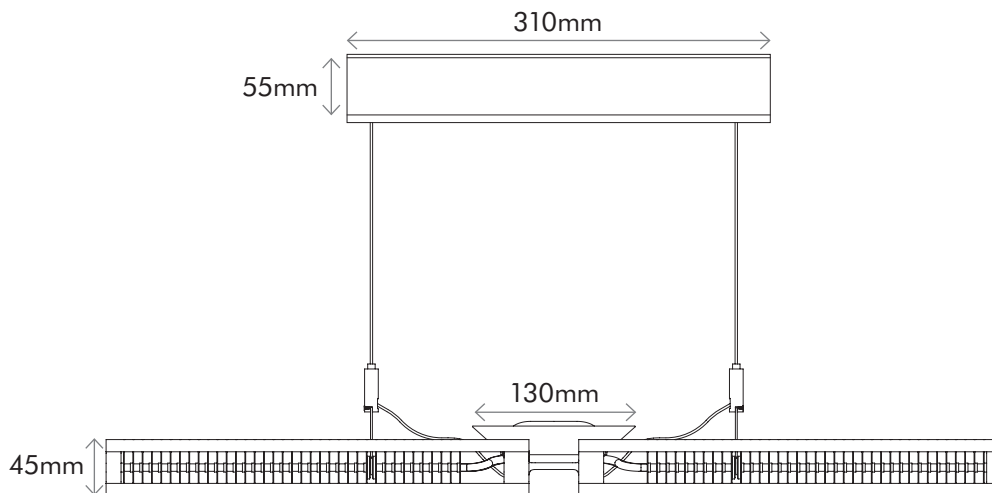
The cooling system also prolongs the life of the LED, ensuring long-lasting performance and colour stability. The luminaire is supplied with a customized DALI driver, with additional heat sinks and high-grade-capacitors.
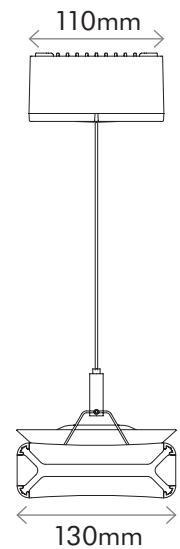
To specify, state:
Sleek suspended luminaire with single high efficiency chip on board LED CRI 80min 2 step binning – cooled via sintered copper heat pipes. Unique toroidal optic with ultra-wide 160° distribution for shallow mounting height. Wide and even distribution of light across the ceiling for even ambient lighting. Power over suspension cable DALI driver.
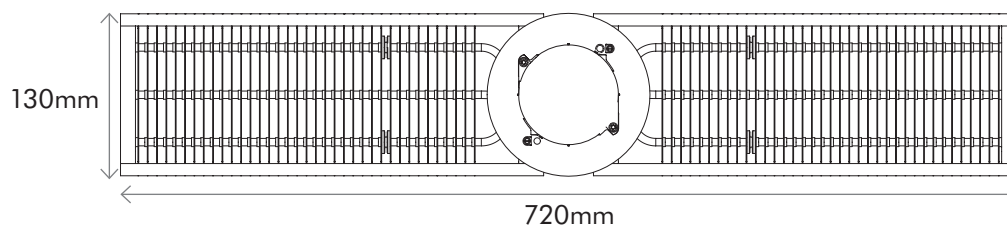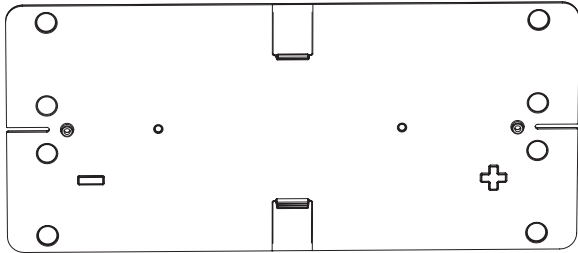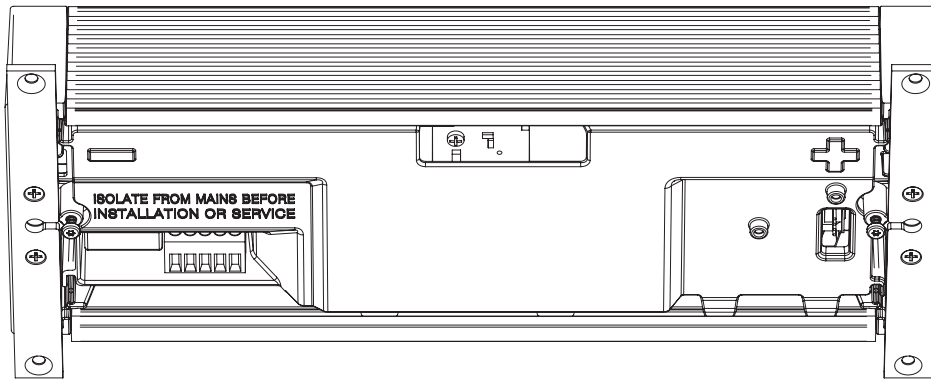
FRONT ELEVATION

SIDE ELEVATION

310mm

55mm

130mm

45mm

110mm

130mm

TOP ELEVATION

130mm

720mm

DRIVER BOX

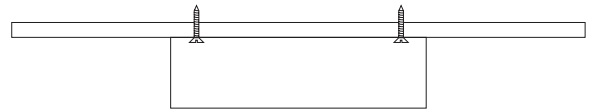
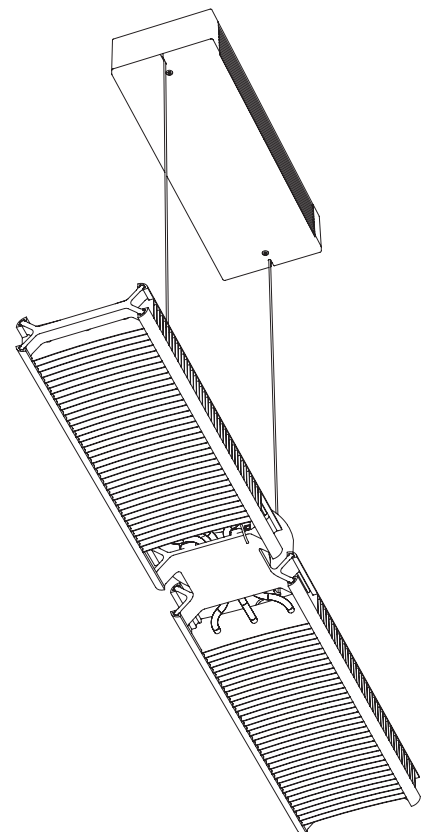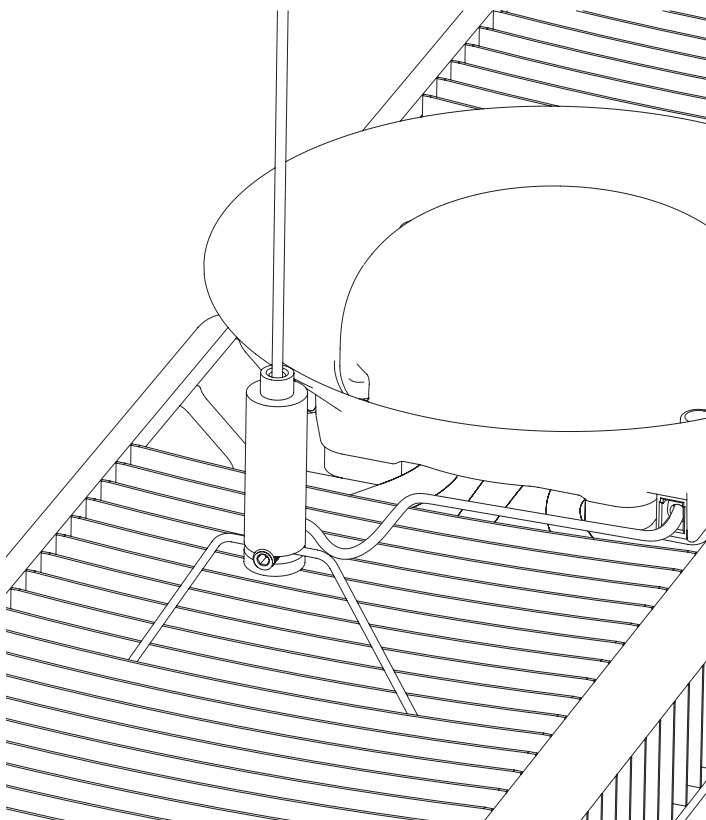ISOLATE FROM MAINS BEFORE
INSTALLATION OR SERVICE

RECESS FIXING

SURFACE FIXING

BRACKETS, CABLE GRABS AND DUAL-PURPOSE CABLE

Installation

Pendant. System complete with power supply base and L = 4000mm Cable

Mounting: Ceiling pendant

Environment: Indoor

Complies with: IEC/EN 62471 (Including national deviations), IEC/EN 60598-1 (Including national deviations), IEC/EN 60598-2-1 (Including national deviations), IEC 61347-1, IEC 61347-2-13, IEC 62031, UL 1598, SAC GB 7000-1, SAC GB 7000-201, SAC GB 7000-202, M.I.T.I - Appendix 8 (1993), JIS C8105-1, JIS C8105-2-4, AS/NZS 60598.2.2, AS/NZS 60598.2.1, AS/NZS 60598.1, AS/NZS IEC 61347.2.13, AS/NZS 61347.1

Electrical

Input voltage / Frequency: 100-240V, 50/60Hz

Control signal voltage: 0-16 V (0-16 V DC DALI)

Rated power: 85W

Standby power consumption: 0.5W

Driver / Power unit / Transformer: PSD (Power supply unit with DALI interface) Universal

Driver included: Yes

Embeded control: No

Dimmable: DALI

Minimum dim level: 10%

Suitable for random switching: Yes (relate to presence / movement detection and daylight harvesting)

Wiring: Product complete with electronic components

Optical

Light source: Chip on board LED

Number of light source: 1

Light source replaceable: No

3000K Fixture light output: 7570

4000K Fixture light output: 7800

3000K Luminous efficacy: 89lm/W

4000K Luminous efficacy: 92lm/W

LED L70: 180,000hrs

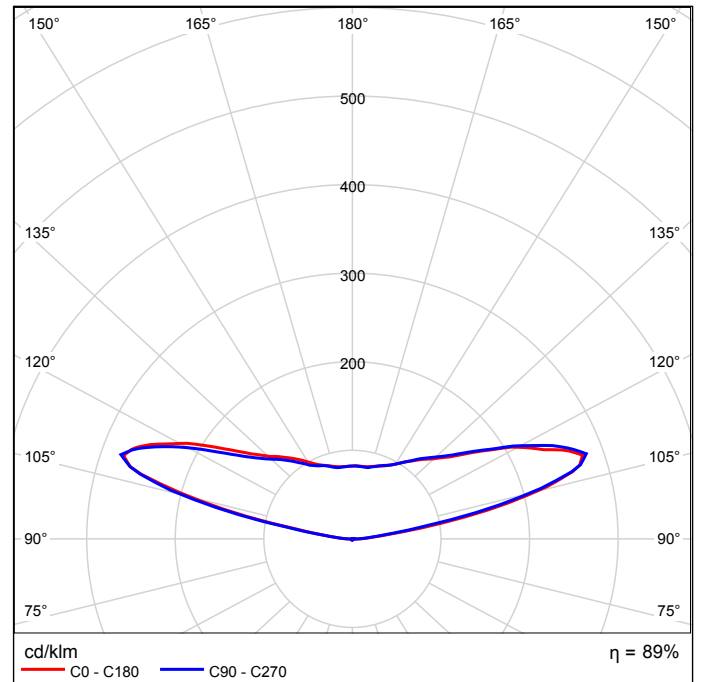Colour temperature: 3000K / 4000K (custom option on request)

CRI: 80 minimum

Beam angle: 160°

IP rating: 20 indoor use only

LED binning: 2 step (ANSI)

Operating temperature range: 0°C - 40°C or Application conditions, Average ambient temperature T25 (+25°C)

Polar plot

cd/klm

η = 89%

C0 - C180   C90 - C270

Construction

Housing materials: Aluminium / Copper / Polycarbonate

Optical lens materials: PMMA (Acrylic)

Operation

DALI dimming

Logistics
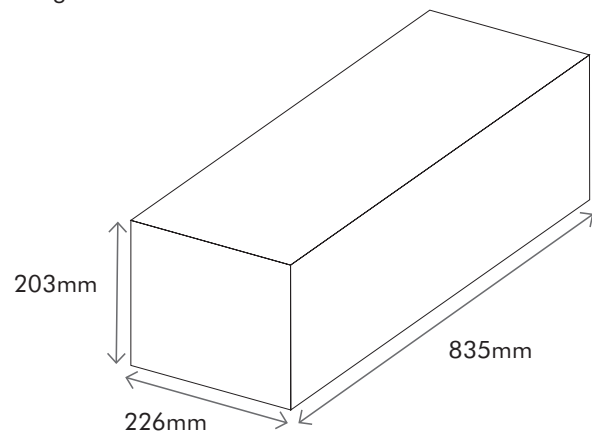
Net (fixture) weight: 2.9kg

Luminaire weight: 1.6kg

Packaged weight: 4.8kg

Packaged dimensions:

203mm

835mm

226mm

Standard guarantee

5 years

dyson cu beam