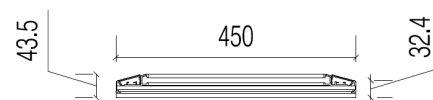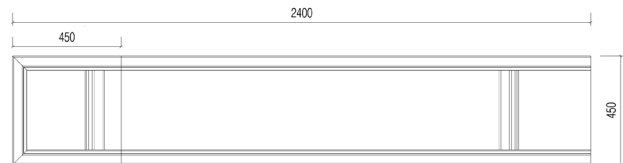# PRODUCT DATA SHEET

archilumo

CompoSe 450SQ/R

CompoSe 450SQ/R - Custom size Rectangular shaped LED based modular intelligent luminair. Min. 450×450mm, max. 450×2400mm. Intended for use as a module in a CompoSe 450 array, or as an individual luminaire when fully framed. Direct and Direct/Indirect light emission options: '1Way' and '2Way'. 'Frameless' panel design with a 'floating' 8mm Satin high-grade acrylic diffuser panel.
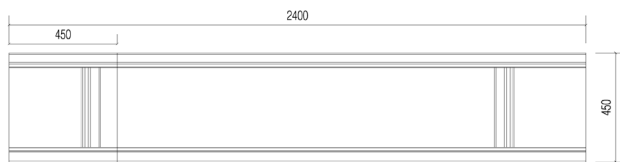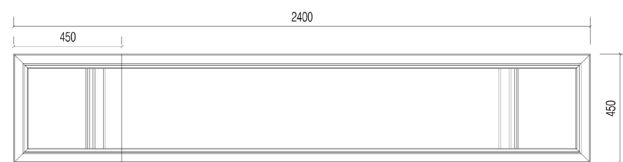

43.5   450   32.4

Side Elevation

2400   450   450

Front Elevation

2400   450   450

Rear Elevation - one end framed - OF

2400   450   450

Rear Elevation - open ends - OO

2400   450   450

Rear Elevation - fully framed - FF

Applications

Ceiling suspended as part of a CompoSe 450 ceiling feature
Ceiling suspended as an individual luminair

Wall mounted as part of a CompoSe 450 wall feature
Wall mounted as an individual luminair

Size Options

CompoSe 450 SQ/R - 450mm wide x 450-2400mm lenght x 32mm visible edge. Custom dimensions as per drawing.
CompoSe SQ/RT is also available in 300 and 600mm widths. Custom widths up to 600mm - on request.
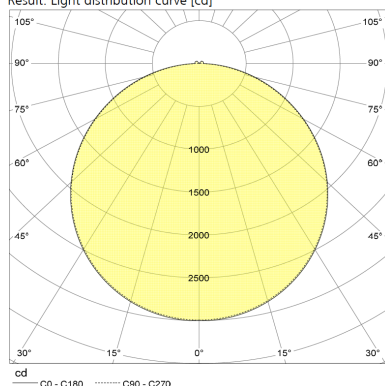
LED Options

CCT Standard White - 2700K, 3000K, 4000K, 5000K, 6500K / **Tunable White** - 2200K to 6500K / **RGB** - fully dynamic.
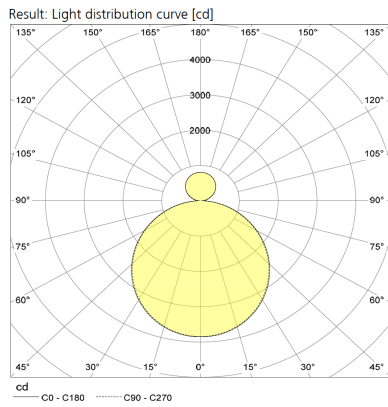CRI 80 / CRI 90 optional for 2700K, 3000K, 4000K

Light Performance

'1Way'

Result: Light distribution curve [cd]

cd
C0 - C180   C90 - C270

CompoSe 450SQ/R		Luminair	
CCT		Flux/mtr	Efficacy
White	2700K	7492lm	74lm/W
	3000K	7918lm	78lm/W
	4000K	8514lm	84lm/W
	5000K	8514lm	84lm/W
	6500K	8514lm	84lm/W
Tuneable White	2200-6500K	6124lm	72lm/W

Tuneable White: normalised output
CRI: 80. CRI 90 optional for 2700K, 3000K, 4000K
Luminair input power: 94W/mtr for white, 91W/mtr for TW
Standby power: 0,5 W
Rated median useful life: 50000h L80 at 25C
Colour tolerance: MacAdam 3

'2Way'

Result: Light distribution curve [cd]

cd
—— C0 - C180   ······· C90 - C270

CompoSe 450SQ/R		Luminair	
CCT		Flux/mtr	Efficacy
White	2700K	7230lm	71lm/W
	3000K	7641lm	75lm/W
	4000K	8216lm	81lm/W
	5000K	8216lm	81lm/W
	6500K	8216lm	81lm/W
Tuneable White	2200-6500K	5909lm	70lm/W

Tuneable White: normalised output
CRI: 80. CRI 90 optional for 2700K, 3000K, 4000K
Luminair input power: 94W/mtr for white, 91W/mtr for TW
Standby power: 0,5 W
Rated median useful life: 50000h L80 at 25C
Colour tolerance: MacAdam 3

Design Options

Standard front panel design - 8mm Satin high-grade acrylic diffuser panel.

Design Options: **Printed** - Custom print design, digitally applied to individual panels or over multiple panels

Etched - Custom etch design, digitally laser-etched on individual panels or over multiple panels. This option shows an 8mm visible frame.

Control

Individually Intelligent Panel - integrated DALI LED driver (type DT6 or DT8) for calibration, dimming and colour control. Electronic Panel Connector to feed and control up to 5 lm. CompoSe panels with only 1 Power/DALI cable. Full range of fixed and wireless panel control options. Panels can be controlled individually, in groups or multiple groups. Remote programming and monitoring. Supports DALI daylight, motion sensors etc.

Properties

'Frameless' panel design as a result of a proprietary 'diffuser-to-frame' fixing system. Liquid Nitrogen extruded, high quality alumium profiles, for best possible natural anodised finish. Flat luminair with 32mm visible edge. Frameless panel ends with connectors where panels connect in a CompoSe array, to ensure optimised panel joint experience. High-grade 8mm Satin PMMA (acrylic) diffuser for optimised light distibution and glare control. 48V LED system with integrated DALI LED driver, Electronic Panel Connector and a connected decorative 5-core power lead. Ceiling Suspended with a 1,5mm dia wire suspension system or Wall Mount with proporietary wall bracket system.