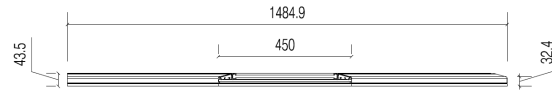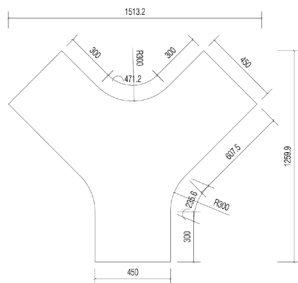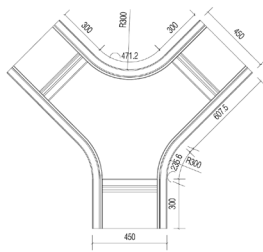# PRODUCT DATA SHEET

archilumo

CompoSe 450Y

CompoSe 450Y - Y shaped LED based modular intelligent luminair. Intended for use as a module in a CompoSe 450 array, or as an individual luminair when fully framed. Direct and Direct/Indirect light distribution options: '1Way' and '2Way'. 'Frameless' panel design with a 'floating' 8mm Satin high-grade acrylic diffuser panel.
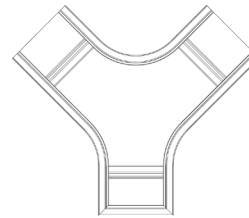

Side Elevation

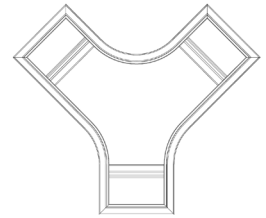If 450Y is used as an end unit, individual panel ends can be framed.

Front Elevation

Rear Elevation - open ends - OOO

Rear Elevation - one end framed - OFO

Rear Elevation - fully framed - FFF

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 Y - 450mm wide x 32mm visible edge. Standard dimensions as per drawing. Custom panel sizes to minimise joints can be manufactured on a project-to-project basis - maximum overall module size must fit within a 1200×2400mm rectangle. CompoSe Y is also available in 300 and 600mm widths. Custom widths up to 600mm - on request.
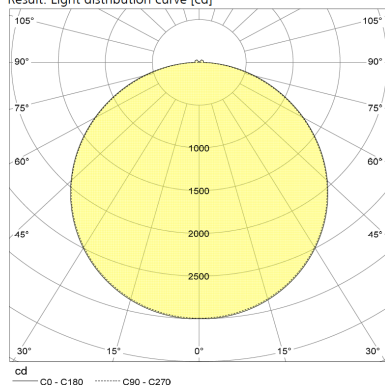
LED Options

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
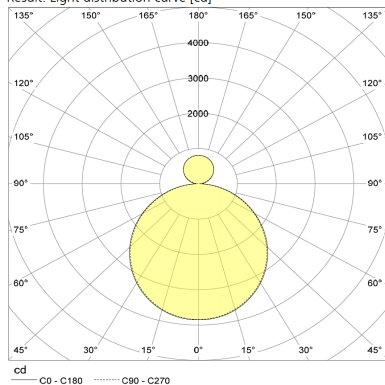
'1Way'

Result: Light distribution curve [cd]

cd
— C0 - C180   ..... C90 - C270

CompoSe 450Y		Luminair	
CCT		Flux	Efficacy
White	2700K	12.576lm	72lm/W
	3000K	13.290lm	76lm/W
	4000K	14.290lm	82lm/W
	5000K	14.290lm	82lm/W
	6500K	14.290lm	82lm/W
Tuneable White	2200-6500K	10.279lm	68lm/W

Tuneable White: normalised output
CRI: 80. CRI 90 optional for 2700K, 3000K, 4000K
Luminair input power: 175W for white, 151W for TW
Standby power: 0,5 W
Rated median useful life: 1000.000h L80 at 25C
Colour tolerance: MacAdam 3

'2Way'

Result: Light distribution curve [cd]

CompoSe 450Y		Luminair	
CCT		Flux	Efficacy
White	2700 K	12.136lm	69lm/W
	3000K	12.825lm	73lm/W
	4000K	13.790lm	79lm/W
	5000K	13.790lm	79lm/W
	6500K	13.790lm	79lm/W
Tuneable White	2200-6500K	9919lm	66lm/W

Tuneable White: normalised output
CRI: 80. CRI 90 optional for 2700K, 3000K, 4000K
Luminair input power: 175W for white, 151W for TW
Standby power: 0,5 W
Rated median useful life: 100.000h 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 4-core power lead. Ceiling Suspended with a 1,5mm dia wire suspension system or Wall Mount with proporietary wall bracket system.