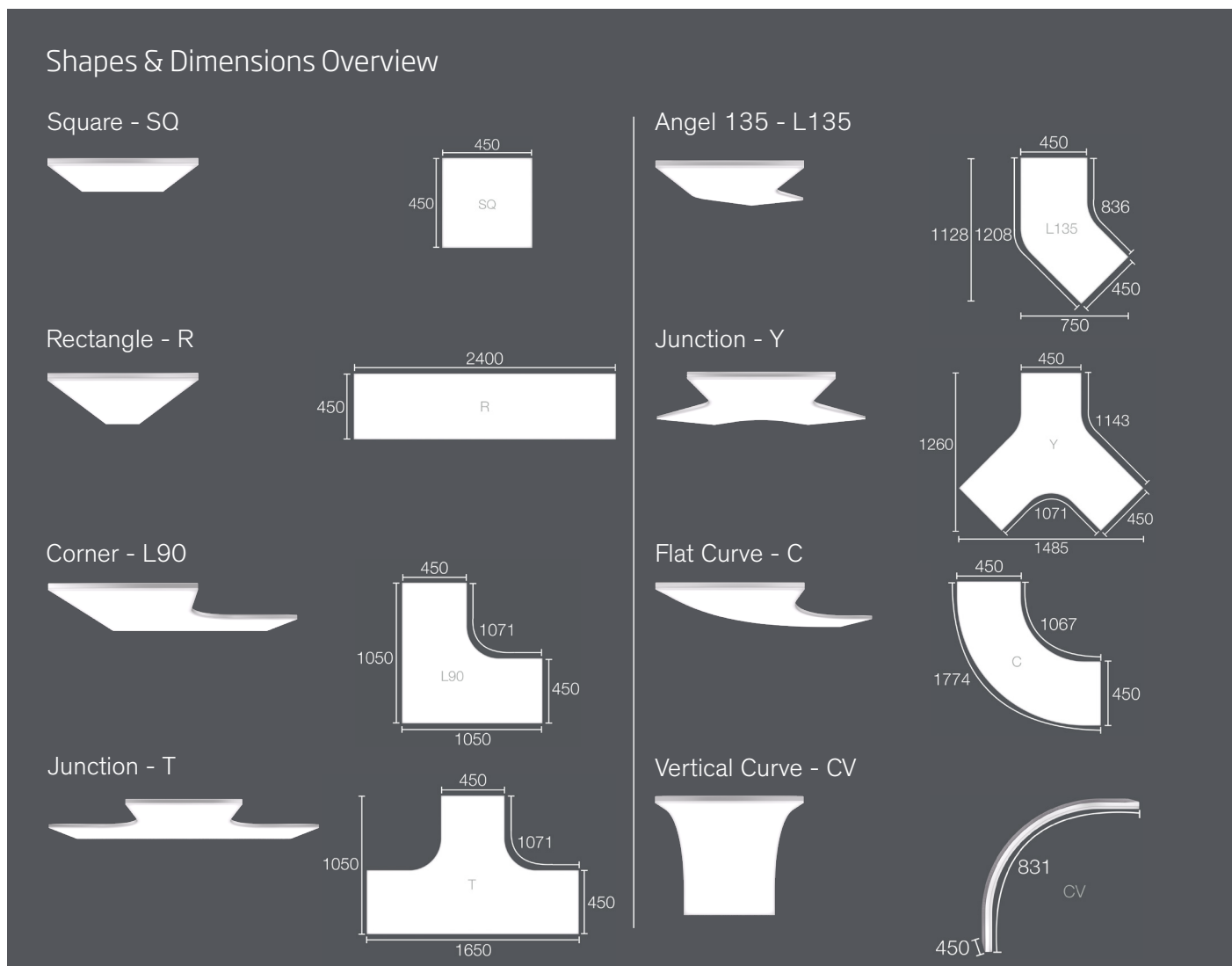## CompoSe 450

Modular connectivity

CompoSe is a modular LED lighting system to create custom lighting installations for ceilings, walls or a crossover. CompoSe has 8 discreet modular panel shapes that can be connected to form an (endless) installation, or they can be used as individual luminairs when fully framed. Connected panel-ends are frameless to minimize the visual impact of the panel joint. Panels are mechanically connected with a connector piece and electronically connected (power + DALI) with an Electronic Panel Connector. One Power/DALI cable can feed up to 450W of CompoSe modules thus minimizing installation time and visual clutter.

CompoSe 450 - Shapes & Dimensions

CompoSe 450 is based on a 450mm module width. 300mm & 600mm module widths are available.

Shapes & Dimensions Overview

Square - SQ

450 × 450 (SQ)

Rectangle - R

2400 × 450 (R)

Corner - L90

450, 1071, 1050, 450, 1050 (L90)

Junction - T

450, 1071, 1050, 450, 1650 (T)

Angel 135 - L135

450, 836, 1128, 1208, 450, 750 (L135)

Junction - Y

450, 1143, 1260, 1071, 450, 1485 (Y)

Flat Curve - C

450, 1067, 1774, 450 (C)
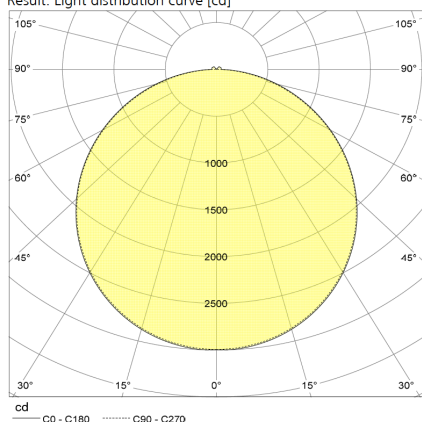
Vertical Curve - CV

831, 450 (CV)

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
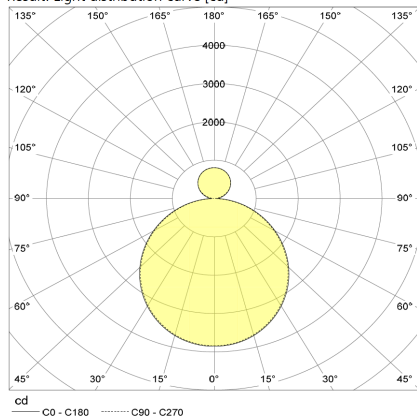
'1Way'

Result: Light distribution curve [cd]

cd
C0 - C180   C90 - C270

CompoSe 450			Luminair Flux			
CCT	2700K	3000K	4000K	5000K	6500K	TW2200-6500K
C450 SQ	3371	3563	3831	3831	3831	2756
C450 R (l=1200mm)	8991	9501	10.217	10.217	10.217	7348
C450 L90	11.879	12.554	13.499	13.499	13.499	9709
C450 T	14.205	15.012	16.142	16.142	16.142	11.610
C450 L135	7657	8092	8701	8701	8701	6258
C450 Y	12.576	13.290	14.290	14.290	14.290	10.279
C450 C	10.643	11.247	12.094	12.094	12.094	8699
C450 CV	6226	6580	7075	7075	7075	5089

CRI: 80. CRI 90 optional for 2700K, 3000K, 4000K
Tuneable White: normalised output
Rated median useful life 100.000h L80 at 25C
Colour tolerance: MacAdam 3
See Product Data Sheets and Light Performance Data Sheet for futher details

'2Way'

Result: Light distribution curve [cd]

cd
C0 - C180   C90 - C270

CompoSe 450			Luminair Flux			
CCT	2700K	3000K	4000K	5000K	6500K	TW2200-6500K
C450 SQ	3254	3438	3697	3697	3697	2659
C450 R (l=1200mm)	8676	9169	9859	9859	9859	7091
C450 L90	11.463	12.114	13.026	13.026	13.026	9369
C450 T	13.708	14.487	15.577	15.577	15.577	11.204
C450 L135	7389	7809	8397	8397	8397	6039
C450 Y	12.136	12.825	13.790	13.790	13.790	9919
C450 C	10.270	10.854	11.671	11.671	11.671	8394
C450 CV	6008	6350	6827	6827	6827	4911

CRI: 80. CRI 90 optional for 2700K, 3000K, 4000K
Tuneable White: normalised output
Rated median useful life 100.000h L80 at 25C
Colour tolerance: MacAdam 3
See Product Data Sheets and Light Performance Data Sheet for futher details

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.. IOT and HCL ready.

Proporties

'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 an 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 wal bracket system.