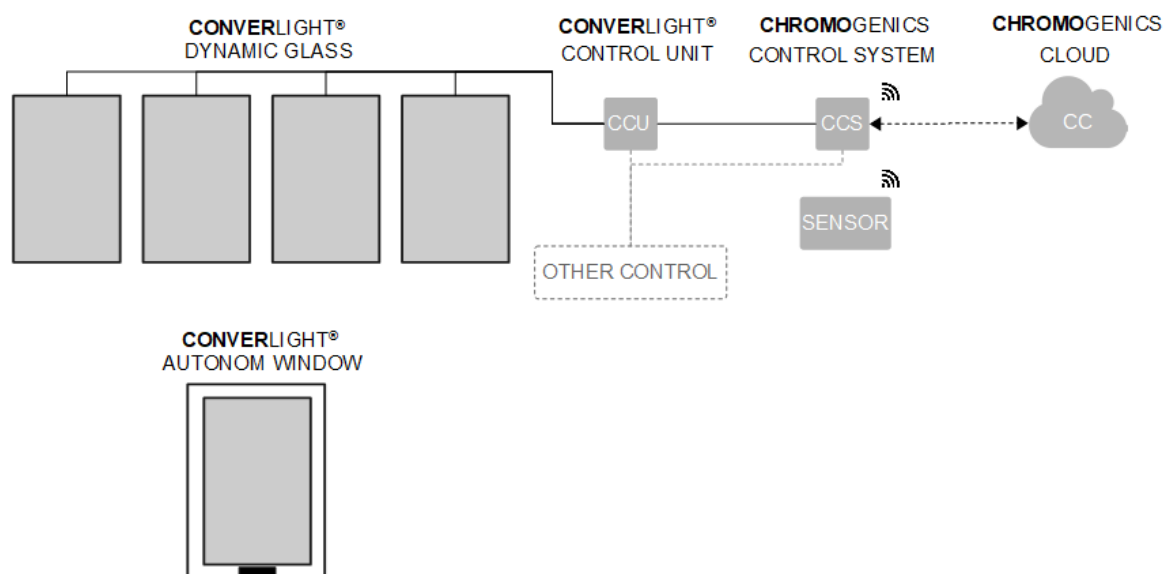


ConverLight® Dynamic, Product Guide

This is a document to guide a customer, or other contractor, about the different ConverLight® Dynamic products and solutions ChromoGenics has to offer.

OVERVIEW CONVERLIGHT®

ConverLight® Dynamic is a glass with controllable solar control properties that provides improved indoor comfort and contributes to better energy efficiency in the building, without impaired view and daylight. With ConverLight it is always possible to customize the solution depending on the prerequisites and requirements for the current installation.



CONVERLIGHT® PRODUCTS

ConverLight Dynamic Glass (CDG) is supplied either with the ConverLight Control Unit (CCU) or the ConverLight Autonom Window (AW). The ConverLight Control Unit (CCU) can easily be connected to other control or automation, such as existing building automation, or choose ChromoGenics control and cloud solution ChromoGenics Control System (CCS) and ChromoGenics Cloud (CC). ConverLight Autonomous Window (AW) is a fully self-regulating window where all electronics are integrated in the window frame.

CONVERLIGHT® DYNAMIC GLASS (CDG)				
Dimensions	max 1550 x 4400 mm			
Dynamic Foil	ConverLight 65, ConverLight 75			
Configurations	Laminated Glass	2-glass IG	3-glass IG	4-glass IG
Thickness	9-21mm (44.3-1010.3)	Single: 4-12mm Laminated Glass: 44.1, 66.1, 88.1, 44.2, 66.2, 88.2, etc. Gas distance: 6-20mm Argon, Krypton, etc.		
Shapes	Rectangle	Triangle/polygon	Round/Ellipse	Curved
Extra functions	Laminated safety glass	Fire-resistant glass	Security glass	Sound-reducing glass
	Anti-condensation glass	Self-cleaning glass	Extra clear glass	Etc.

CONVERLIGHT® CONTROL UNIT (CCU)	
Dimensions	50 x 104 x 30 mm (W x H x D)
Control glass	Dynamic control of light and solar-heat radiation with <3V drive voltage.
Number of glass	Up to 4 ConverLight Dynamic Glass / CCU
Control	Open interface (24V Power, 24V pulse); ChromoGenics Control System or other Control System (Siemens, Schneider, etc.)
Power	24-48V (max 0.37W/m ² glas, min: 0.7W/CCU)

CONVERLIGHT® AUTONOM WINDOW (AW)	
Dimensions	Electronic: 33 x 82 x 33 mm (B x H x D) Solar-cell: 105 x 35 x 7 mm (B x H x D)
Control glas	Dynamic control of light and solar-heat radiation with <3V drive voltage.
Number of glass	One ConverLight Dynamic Glass up to 2.5m ²
Control	Autonom thorough signal from solar-cell
Power	Solar-cell + battery

CHROMOGENICS CONTROL SYSTEM (CCS)	
Dimensions	278 x 378 x 130 mm (W x H x D)
Control CCU	4 zones (more zones as an addition) that are suitably controlled on light sensor(s)
Number of CCU	8 with power direct from CCS, unlimited with external power supplies.
Power	230V
Communication	Ethernet, MODBUS TCP/IP
Sensor	1 wireless light sensor (lux) without battery, more or other type as an add-on
Range Sensors	Up to 30m, at long distances, cable to antenna is used

CHROMOGENICS CLOUD (CC)	
Connectivity	Automatic connection with internet connection to ConverLight® Control System
WEB-Portal	Portal with permission and view specifically adapted for operating staff, property owner, tenant, etc.
Map overview	Visualization of all facilities location, alarm and statistics.
Building view	Visualization of specific facility function, zones, sensors and alarms.
Distance Monitoring	ChromoGenics, customer or third party manages remote monitoring of facility(s).

Any questions, please contact ChromoGenics.