

CIRCUIT BREAKER DATA

Luminaire Family:	CIRCADIA
Sub-families:	DUO2 WHITE, DUO2 BLACK – CASAMBI variants
Applicable Model Range:	Suffixes -294

Inrush Current and Maximum Loading of Automatic Circuit Breakers (MCB):									
Circuit Breaker Type	C10	C13	C16	C20	B10	B13	B16	B20	Inrush Current
Wire cross section	1.5mm ²	1.5mm ²	2.5mm ²	4mm ²	1.5mm ²	1.5mm ²	2.5mm ²	4mm ²	I _{max} Time (*)
Max # of Fittings per MCB	10	14	18	22	6	8	11	13	29A (**) 180μs (**)

(*): Defined as the duration between 10% of peak (ascending) and 50% of peak (descending).

(**): The luminaire has 2 identical power supplies each with the specified inrush current and duration values.

IMPORTANT:

- The above are maximum quantities calculated based on the inrush current and provided as a guide only.
- DO NOT exceed the maximum rated continuous current of the circuit breaker.
- Calculation uses typical values from ABB series S200 as a reference.
- Information about the tripping characteristics of a specific circuit breaker must be requested from the circuit breaker manufacturer!
- Actual values may differ depending on the specific circuit breaker type(s) used and the installation environment such as the cable size, length, safety buffer, etc.

CIRCUIT BREAKER DATA

Luminaire Family:	CIRCADIA
Sub-families:	DUO2 WHITE, DUO2 BLACK – DALI DT8 (wired) variants
Applicable Model Range:	Suffixes -264

Inrush Current and Maximum Loading of Automatic Circuit Breakers (MCB):										
Circuit Breaker Type	C10	C13	C16	C20	B10	B13	B16	B20	Inrush Current	
Wire cross section	1.5mm ²	1.5mm ²	2.5mm ²	4mm ²	1.5mm ²	1.5mm ²	2.5mm ²	4mm ²	I _{max}	Time (*)
Max # of Fittings per MCB	10	13	16	21	6	8	10	13	39A	286μs

(*): Defined as the duration between 10% of peak (ascending) and 50% of peak (descending).

IMPORTANT:

- The above are maximum quantities calculated based on the inrush current and provided as a guide only.
- DO NOT exceed the maximum rated continuous current of the circuit breaker.
- Calculation uses typical values from ABB series S200 as a reference.
- Information about the tripping characteristics of a specific circuit breaker must be requested from the circuit breaker manufacturer!
- Actual values may differ depending on the specific circuit breaker type(s) used and the installation environment such as the cable size, length, safety buffer, etc.