CIRCUIT BREAKER DATA

Luminaire Family:	**CIRKEL Downlight**
Sub-families:	**Square, Round, Wallwasher**
Applicable Model Range:	**All 8W/850lm DALI variants**

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	1.5mm²	1.5mm²	2.5mm²	4mm²	1.5mm²	1.5mm²	2.5mm²	4mm²	I_{max}	Time (*)
Max # of Fittings per MCB	40	56	64	80	24	31	38	48	16A	255µs

(*): 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.

CIRCUIT BREAKER DATA

Luminaire Family:	**CIRKEL Downlight**
Sub-families:	**Square, Round, Wallwasher**
Applicable Model Range:	**All 8W/850lm Non-Dim variants**

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	1.5mm²	1.5mm²	2.5mm²	2.5mm²	1.5mm²	1.5mm²	2.5mm²	2.5mm²	I_{max}	Time (*)
Max # of Fittings per MCB	21	28	36	45	13	17	22	27	22.4A	176µs

(*): 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.

CIRCUIT BREAKER DATA

Luminaire Family:	**CIRKEL Downlight**
Sub-families:	**Square, Round, Wallwasher**
Applicable Model Range:	**All 15W/1450lm DALI variants**

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	1.5mm²	1.5mm²	2.5mm²	4mm²	1.5mm²	1.5mm²	2.5mm²	4mm²	I_{max}	Time (*)
Max # of Fittings per MCB	40	56	64	80	21	28	35	44	20A	140µs

(*): 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.

CIRCUIT BREAKER DATA

Luminaire Family:	**CIRKEL Downlight**
Sub-families:	**Square, Round, Wallwasher**
Applicable Model Range:	**All 15W/1450lm Non-Dim variants**

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	1.5mm²	1.5mm²	1.5mm²	2.5mm²	1.5mm²	1.5mm²	1.5mm²	2.5mm²	I_{max}	Time (*)
Max # of Fittings per MCB	52	67	85	104	32	41	50	62	14.5A	114µs

(*): 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.