

CIRCUIT BREAKER DATA

Luminaire Family:	DENSUS GEN3
Sub-families:	All
Applicable Model Range:	EL-DENL-3100-200 EL-DENL-3100-902 EL-DENL-3101-200 EL-DENL-3101-902 EL-DENL-3104-200 EL-DENL-3104-902 EL-DENL-3105-200 EL-DENL-3106-200 EL-DENL-2104-200 EL-DENL-2104-902

Automatic circuit breaker type	C10	C13	C16	C20	B10	B13	B16	B20	Inrush current	
Installation Ø	1.5 mm ²	1.5 mm ²	2.5 mm ²	2.5 mm ²	1.5 mm ²	1.5 mm ²	2.5 mm ²	2.5 mm ²	I _{max}	time
LCA 50W 100-400mA one4all Ip PRE	21	28	36	45	13	17	22	27	22.4 A	176 µs

These are max. values calculated out of inrush current! Please consider not to exceed the maximum rated continuous current of the circuit breaker. Calculation uses typical values from ABB series S200 as a reference. Actual values may differ due to used circuit breaker types and installation environment.

Luminaire Family:	DENSUS GEN3
Sub-families:	All
Applicable Model Range:	EL-DENL-3102-200 EL-DENL-3102-902

Automatic circuit breaker type	C10	C13	C16	C20	B10	B13	B16	B20	Inrush current	
Installation Ø	1.5 mm ²	1.5 mm ²	2.5 mm ²	2.5 mm ²	1.5 mm ²	1.5 mm ²	2.5 mm ²	2.5 mm ²	I _{max}	time
LCA 75W 100-400mA one4all Ip PRE	21	28	35	45	13	17	21	27	23 A	174 µs

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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.
- 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.

Luminaire Family:	DENSUS GEN3
Sub-families:	All
Applicable Model Range:	EL-DENL-3100-802 EL-DENL-3100-807 EL-DENL-3101-802 EL-DENL-3101-807

Automatic circuit breaker type	C10	C13	C16	C20	B10	B13	B16	B20	Inrush current	
Installation Ø	1.5 mm ²	1.5 mm ²	2.5 mm ²	2.5 mm ²	1.5 mm ²	1.5 mm ²	2.5 mm ²	2.5 mm ²	I _{max}	time
LCA 50W 350-1050mA one4all lp PRE	21	28	35	45	13	17	21	27	35 A	170 µs

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Luminaire Family:	DENSUS GEN3
Sub-families:	All
Applicable Model Range:	EL-DENL-3100-000 EL-DENL-3101-000 EL-DENL-3104-000 EL-DENL-3105-000 EL-DENL-3106-000 EL-DENL-2104-000

Automatic circuit breaker type	C10	C13	C16	C20	B10	B13	B16	B20	Inrush current	
Installation Ø	1.5 mm ²	1.5 mm ²	2.5 mm ²	2.5 mm ²	1.5 mm ²	1.5 mm ²	2.5 mm ²	2.5 mm ²	I _{max}	time
LC 50W 100-400mA flexC lp EXC	16	21	26	35	10	13	16	21	32 A	240 µs

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Luminaire Family:	DENSUS GEN3
Sub-families:	All
Applicable Model Range:	EL-DENL-3102-000

Automatic circuit breaker type	C10	C13	C16	C20	B10	B13	B16	B20	Inrush current	
Installation Ø	1.5 mm ²	1.5 mm ²	2.5 mm ²	2.5 mm ²	1.5 mm ²	1.5 mm ²	2.5 mm ²	2.5 mm ²	I _{max}	time
LC 75W 100-400mA flexC Ip EXC	16	21	26	35	10	13	16	21	30 A	253 µs

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Luminaire Family:	DENSUS GEN3
Sub-families:	All
Applicable Model Range:	EL-DENL-3102-802 EL-DENL-3102-807

Automatic circuit breaker type	C10	C13	C16	C20	B10	B13	B16	B20	Inrush current	
Installation Ø	1.5 mm ²	1.5 mm ²	2.5 mm ²	4 mm ²	1.5 mm ²	1.5 mm ²	2.5 mm ²	4 mm ²	I _{max}	time
LCA 75W 900-1800mA one4all Ip PRE	15	20	25	31	9	12	15	19	34 A	193 µs

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Luminaire Family:	DENSUS GEN3
Sub-families:	All
Applicable Model Range:	EL-DENL-3103-000 EL-DENL-2103-000

Automatic circuit breaker type	C10	C13	C16	C20	B10	B13	B16	B20	Inrush current	
Installation Ø	1.5 mm ²	1.5 mm ²	2.5 mm ²	2.5 mm ²	1.5 mm ²	1.5 mm ²	2.5 mm ²	2.5 mm ²	I _{max}	time
LC 25W 100-500mA flexC Ip EXC	35	50	60	76	23	30	36	46	21 A	126 µs

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Luminaire Family:	DENSUS GEN3
Sub-families:	All
Applicable Model Range:	EL-DENL-3103-200 EL-DENL-3103-902 EL-DENL-2103-200 EL-DENL-2103-902

Automatic circuit breaker type	C10	C13	C16	C20	B10	B13	B16	B20	Inrush current	
Installation Ø	1.5 mm ²	1.5 mm ²	2.5 mm ²	2.5 mm ²	1.5 mm ²	1.5 mm ²	2.5 mm ²	2.5 mm ²	I _{max}	time
LCA 35W 150-700mA one4all Ip PRE	30	38	46	58	18	23	28	35	13.6 A	304 µs

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Luminaire Family:	DENSUS GEN3
Sub-families:	All
Applicable Model Range:	EL-DENL-3100-800 EL-DENL-3100-801 EL-DENL-3101-800 EL-DENL-3101-801

Automatic circuit breaker type	C10	C13	C16	C20	B10	B13	B16	B20	Inrush current	
Installation Ø	1.5 mm ²	1.5 mm ²	2.5 mm ²	2.5 mm ²	1.5 mm ²	1.5 mm ²	2.5 mm ²	2.5 mm ²	I _{max}	time
LC 50W 350-1050mA flexC Ip EXC	23	30	38	46	14	18	23	28	31 A	175 µs

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Luminaire Family:	DENSUS GEN3
Sub-families:	All
Applicable Model Range:	EL-DENL-3102-800 EL-DENL-3102-801

Automatic circuit breaker type	C10	C13	C16	C20	B10	B13	B16	B20	Inrush current	
Installation Ø	1.5 mm ²	1.5 mm ²	2.5 mm ²	2.5 mm ²	1.5 mm ²	1.5 mm ²	2.5 mm ²	2.5 mm ²	I _{max}	time
LC 75W 900-1800mA flexC Ip EXC	16	21	26	33	10	13	16	20	35 A	240 µs

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