

CIRCUIT BREAKER DATA

Luminaire Family:	ELLE
Sub-families:	Recessed Opal Recessed Delta Recessed Asymmetric Recessed Beta-Opti
Applicable Model Range:	EL-ELLR-1000- ... -1007-2xx EL-ELLR-1000- ... -1007-9xx EL-ELLR-1016- ... -1031-2xx EL-ELLR-1016- ... -1031-9xx EL-ELLR-1040- ... -1047-2xx EL-ELLR-1040- ... -1047-9xx EL-ELLR-1702- ... -1707-2xx EL-ELLR-1702- ... -1707-9xx EL-ELLR-1800- ... -1808-2xx EL-ELLR-1800- ... -1808-9xx EL-ELLR-1810- ... -1815-2xx EL-ELLR-1810- ... -1815-9xx

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	224 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.

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.

EAGLE LIGHTING

Luminaire Family:	ELLE
Sub-families:	Recessed Opal Recessed Delta Recessed Asymmetric
Applicable Model Range:	EL-ELLR-1008- ... -1015-2xx EL-ELLR-1008- ... -1015-9xx EL-ELLR-1032- ... -1039-2xx EL-ELLR-1032- ... -1039-9xx EL-ELLR-1708- ... -1715-2xx EL-ELLR-1708- ... -1715-9xx

Automatic circuit breaker type	C10	C13	C16	C20	B10	B13	B16	B20	Inrush current	
Installation Ø	15 mm ²	15 mm ²	2.5 mm ²	2.5 mm ²	15 mm ²	15 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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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.

EAGLE LIGHTING

Luminaire Family:	ELLE
Sub-families:	Recessed Asymmetric Recessed Beta-Opti
Applicable Model Range:	EL-ELLR-1700-2xx EL-ELLR-1700-9xx EL-ELLR-1701-2xx EL-ELLR-1701-9xx EL-ELLR-1809-2xx EL-ELLR-1809-9xx

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

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.

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.

CIRCUIT BREAKER DATA FOR MAX LENGTHS (SUMMARY):

ELLE Recessed Max loading of automatic circuit breakers in relation to inrush current.							
ELLE LUMINIARE TYPE	LUMINIARE DRIVER QTY	Circuit Breaker Type B10	Circuit Breaker Type B16	Circuit Breaker Type B20	Circuit Breaker Type C10	Circuit Breaker Type C16	Circuit Breaker Type C20
		Driver quantities below indicate maximum drivers allowed per circuit breaker type					
RECESSED DELTA / OPAL 585-675mm	1	18	28	35	30	46	58
RECESSED DELTA / OPAL 1170-1260mm	1	13	22	27	21	36	45
RECESSED DELTA / OPAL 2340-2430mm	1	13	22	27	21	36	45
RECESSED BETA 1261-1351mm	1	13	22	27	21	36	45
RECESSED BETA 2522-2612mm	1	13	22	27	21	36	45

Note ! - Ensure the drivers used are calculated as a final total amount required per single or continuous run to confirm which circuit breaker is suitable for the installation.

External inter-connecting cable wiring for ELLE RECESSED luminaires consume 2.5mm² stranded wire.