

CIRCUIT BREAKER DATA

Luminaire Family:	ELLE
Sub-families:	SM Opal SM Delta SM Beta-Opti
Applicable Model Range:	

EL-ELLS-1048-244	EL-ELLS-1061-244	EL-ELLS-1122-244
EL-ELLS-1049-244	EL-ELLS-1062-244	EL-ELLS-1123-244
EL-ELLS-1050-244	EL-ELLS-1063-244	EL-ELLS-1124-244
EL-ELLS-1051-244	EL-ELLS-1064-244	EL-ELLS-1125-244
EL-ELLS-1052-244	EL-ELLS-1065-244	EL-ELLS-1126-244
EL-ELLS-1053-244	EL-ELLS-1114-244	EL-ELLS-1127-244
EL-ELLS-1054-244	EL-ELLS-1115-244	EL-ELLS-1128-244
EL-ELLS-1055-244	EL-ELLS-1116-244	EL-ELLS-1129-244
EL-ELLS-1056-244	EL-ELLS-1117-244	EL-ELLS-1130-244
EL-ELLS-1057-244	EL-ELLS-1118-244	EL-ELLS-1131-244
EL-ELLS-1058-244	EL-ELLS-1119-244	
EL-ELLS-1059-244	EL-ELLS-1120-244	
EL-ELLS-1060-244	EL-ELLS-1121-244	

Automatic circuit breaker type	C10	C13	C16	C20	B10	B13	B16	B20	Inrush current	
Installation Ø	15 mm ²	15 mm ²	25 mm ²	25 mm ²	15 mm ²	15 mm ²	25 mm ²	25 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

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.

Luminaire Family:	ELLE
Sub-families:	SM Opal SM Delta SM Beta-Opti
Applicable Model Range:	

EL-ELLS-1000-244	EL-ELLS-1019-244	EL-ELLS-1041-244	EL-ELLS-1081-244	EL-ELLS-1106-244	EL-ELLS-1811-244
EL-ELLS-1001-244	EL-ELLS-1020-244	EL-ELLS-1042-244	EL-ELLS-1082-244	EL-ELLS-1107-244	EL-ELLS-1812-244
EL-ELLS-1002-244	EL-ELLS-1021-244	EL-ELLS-1043-244	EL-ELLS-1083-244	EL-ELLS-1108-244	EL-ELLS-1813-244
EL-ELLS-1003-244	EL-ELLS-1022-244	EL-ELLS-1044-244	EL-ELLS-1084-244	EL-ELLS-1109-244	EL-ELLS-1814-244
EL-ELLS-1004-244	EL-ELLS-1023-244	EL-ELLS-1045-244	EL-ELLS-1085-244	EL-ELLS-1110-244	EL-ELLS-1815-244
EL-ELLS-1005-244	EL-ELLS-1024-244	EL-ELLS-1046-244	EL-ELLS-1086-244	EL-ELLS-1111-244	EL-ELLS-1816-244
EL-ELLS-1006-244	EL-ELLS-1025-244	EL-ELLS-1047-244	EL-ELLS-1087-244	EL-ELLS-1112-244	EL-ELLS-1817-244
EL-ELLS-1007-244	EL-ELLS-1026-244	EL-ELLS-1066-244	EL-ELLS-1088-244	EL-ELLS-1113-244	EL-ELLS-1818-244
EL-ELLS-1008-244	EL-ELLS-1030-244	EL-ELLS-1067-244	EL-ELLS-1089-244	EL-ELLS-1800-244	EL-ELLS-1819-244
EL-ELLS-1009-244	EL-ELLS-1031-244	EL-ELLS-1068-244	EL-ELLS-1096-244	EL-ELLS-1801-244	EL-ELLS-1820-244
EL-ELLS-1010-244	EL-ELLS-1032-244	EL-ELLS-1072-244	EL-ELLS-1097-244	EL-ELLS-1802-244	EL-ELLS-1821-244
EL-ELLS-1011-244	EL-ELLS-1033-244	EL-ELLS-1073-244	EL-ELLS-1098-244	EL-ELLS-1803-244	EL-ELLS-1822-244
EL-ELLS-1012-244	EL-ELLS-1034-244	EL-ELLS-1074-244	EL-ELLS-1099-244	EL-ELLS-1804-244	EL-ELLS-1823-244
EL-ELLS-1013-244	EL-ELLS-1035-244	EL-ELLS-1075-244	EL-ELLS-1100-244	EL-ELLS-1805-244	
EL-ELLS-1014-244	EL-ELLS-1036-244	EL-ELLS-1076-244	EL-ELLS-1101-244	EL-ELLS-1806-244	
EL-ELLS-1015-244	EL-ELLS-1037-244	EL-ELLS-1077-244	EL-ELLS-1102-244	EL-ELLS-1807-244	
EL-ELLS-1016-244	EL-ELLS-1038-244	EL-ELLS-1078-244	EL-ELLS-1103-244	EL-ELLS-1808-244	
EL-ELLS-1017-244	EL-ELLS-1039-244	EL-ELLS-1079-244	EL-ELLS-1104-244	EL-ELLS-1809-244	
EL-ELLS-1018-244	EL-ELLS-1040-244	EL-ELLS-1080-244	EL-ELLS-1105-244	EL-ELLS-1810-244	

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

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Calculation uses typical values from ABB series S200 as a reference.

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IMPORTANT:

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Luminaire Family:	ELLE
Sub-families:	SM Opal SM Delta SM Beta-Opti
Applicable Model Range:	

EL-ELLS-1027-244	EL-ELLS-1829-244	EL-ELLS-1840-244
EL-ELLS-1028-244	EL-ELLS-1830-244	EL-ELLS-1841-244
EL-ELLS-1029-244	EL-ELLS-1831-244	EL-ELLS-1842-244
EL-ELLS-1090-244	EL-ELLS-1832-244	EL-ELLS-1843-244
EL-ELLS-1091-244	EL-ELLS-1833-244	EL-ELLS-1844-244
EL-ELLS-1092-244	EL-ELLS-1834-244	EL-ELLS-1845-244
EL-ELLS-1824-244	EL-ELLS-1835-244	EL-ELLS-1846-244
EL-ELLS-1825-244	EL-ELLS-1836-244	EL-ELLS-1847-244
EL-ELLS-1826-244	EL-ELLS-1837-244	
EL-ELLS-1827-244	EL-ELLS-1838-244	
EL-ELLS-1828-244	EL-ELLS-1839-244	

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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Luminaire Family:	ELLE
Sub-families:	SM Opal SM Delta SM Beta-Opti
Applicable Model Range:	

EL-ELLS-1093-244

EL-ELLS-1094-244

EL-ELLS-1095-244

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 250-550mA one4all Ip PRE	21	28	35	45	13	17	21	27	29 A	155 µs

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Sub-families:	SM Opal SM Delta SM Beta-Opti
Applicable Model Range:	

EL-ELLS-1069-244
EL-ELLS-1070-244
EL-ELLS-1071-244

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 350-1050mA one4all Ip PRE	15	20	23	30	9	12	14	18	40 A	178 µs

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