MADE IN GERMANY

TEMPERATURES



Whether hot or cold

SCHUCH luminaires for extreme temperatures

An overview

SCHUCH

HIGH-TEMPERATURE, LOW-TEMPERATURE AND WIDE-TEMPERATURE LUMINAIRES

SOLO PERFORMER AND ALL-ROUNDER

Extreme temperatures place high demands on the thermal management of LED luminaires. Design and component selection must ensure that the luminaires function perfectly under these extreme conditions and achieve the specified luminous flux and efficiency values in practical operation. Making honest and transparent statements about these properties contributes significantly to high customer satisfaction. With luminaires from SCHUCH, you are on the safe side.

In addition to the **solo performers** for high or low ambient temperatures, the wide-temperature light fittings occupy a special position in our range.
Wide-temperature light fittings are all-rounders that can be used at both low and high temperatures. As they cover a wide temperature range, they are the ideal solution for areas with widely varying temperatures, such as climatic chambers, test benches in the automotive industry and material containers, but also for regions/climate zones with large temperature fluctuations.

Detailed information on the individual series can be found on our website.



DAMP-PROOF LIGHT FITTINGS

– 40°C ... + 80°C



Type	Temperature [°C]	Service life at max. temp. [h]	Luminous flux [lm]	Efficiency [lm/W]
PROXIMA				
161PX ...H50	+ 50	L70 > 100,000	1,300 – 7,600	up to 168
161PX ... T40 H60/70	– 40 up to + 60/70	L70 > 100,000	2,400 – 6,300	168
161PX ... H50 MA (self-contained emergency luminaire)	+ 50	L70 > 100,000	1,300 – 6,300	153

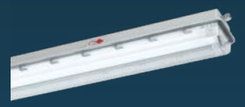
With the exception of the emergency light, the comparable versions of the predecessor series 161 are also available for existing systems.



163 G2 ... H50	+ 50	L70 > 100,000	2,500 – 6,100	up to 153
163 G2 ... T40	– 40	L70 > 100,000	2,300 – 6,000	up to 159



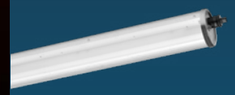
LUXANO				
167 G2 ... H50	+ 50	L70 > 100,000	4,070 – 6,500	170
167 G2 ... T40 H50	– 40 up to + 50	L70 > 100,000	4,070 – 6,500	170



144 ... H50	+ 50	L70 > 100,000	2,300 – 6,600	up to 164
144 ... T40 H60	– 40 up to + 60	L70 > 100,000	2,300 – 6,600	up to 164



PRIMO XR				
107 ... H50	+ 50	L70 > 100,000	2,300 – 6,300	up to 155
107 ... T40 H50	– 40 up to + 50	L70 > 100,000	2,300 – 6,300	up to 155



TUBEO				
110 ... H50	+ 50	L70 > 100,000	2,400 – 6,200	up to 164
110 ... T40 H50	– 40 up to + 50	L70 > 100,000	2,400 – 6,200	up to 164



131 L07 T40 H45	– 40 up to + 45	L70 > 50,000	800	98



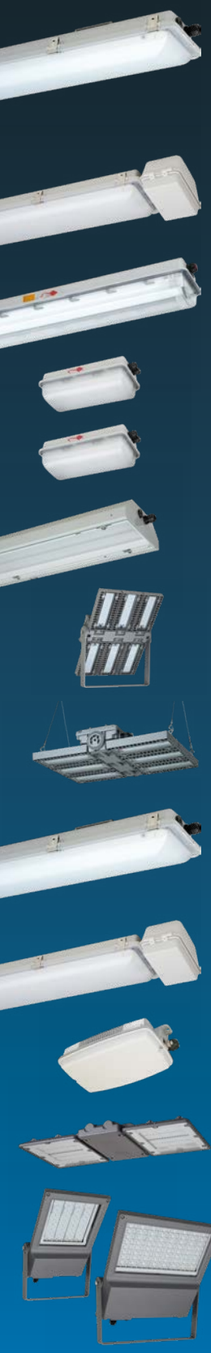
185 ... T40 H60/70/80	– 40 up to + 60/70/80	L70 > 100,000	3,100 – 9,100	to 146

Other series and temperature versions on request.



EX-PROTECTED LIGHT FITTINGS

– 40°C ... + 70°C



Type	Temperature [°C]	Service life at max. temp. [h]	Luminous flux [lm]	Efficiency [lm/W]
ExeLED 1				
e865 ... H60/65	+ 60/65	L80 > 100,000	2,200 – 6,000	up to 156
e865 ... H70	+ 70	Consulting required		
e865 ... T40	– 40	L80 > 100,000	2,200 – 6,000	up to 156
ExeLed 1 N				
e864 ... H50/55 (self-contained emergency luminaire)	+ 50/55	L80 > 100,000	2,200 – 6,300	up to 158
e840 ... H50/55	+ 50/55	L80 > 100,000	2.000 – 8,300	up to 154
e840 ... H65	+ 65	Consulting required		
e855 ... H60	+ 60	L80 > 100,000	500 – 2,050	up to 114
e856 ... H55 (self-contained emergency luminaire)	+ 55	L80 > 100,000	500 – 2,050	up to 108
e821 ... H55	+ 55	L80 > 100,000	2.100 – 11,500	up to 155
e821 ... H65	+ 65	Consulting required		
e8820 ... H55	+ 55	L80 > 100,000	10.300 – 23,700	up to 136
e8820 ... T40	– 40	L80 > 100,000	13.500 – 31,600	to 126
e8825 ... H55	+ 55	L80 > 100,000	10.300 – 23,700	up to 136
e8825 ... T40	– 40	L80 > 100,000	13.500 – 31,600	up to 126
ExeLED 2				
nD866 ... H60/65	+ 60/65	L80 > 100,000	4,300 – 6,300	up to 164
nD866 ... T40	– 40	L80 > 100,000	4,300 – 6,300	up to 164
ExeLED 2 N				
nD867 ... H55 (self-contained emergency luminaire)	+ 55	L80 > 100,000	2,200 – 6,300	up to 158
nD8611 ... H60	+ 60	Consulting required		
ExDUEVO				
nD8301/8302 ... H50/60	+ 55/60	L70 > 90,000	10,800 – 21,600	up to 161
ExFOCO L				
nD8700 ... H55	+ 55	Consulting required		
ExFOCO XL				
nD8800 ... H50	+ 50	Consulting required		

Zone 1/21

Zone 2/22

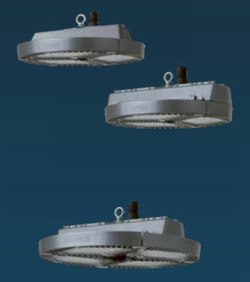
Other series and temperature versions on request.

HIGH BAY LIGHT FITTINGS

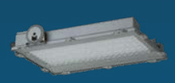
– 40°C ... + 90°C











Type	Temperature [°C]	Service life at max. temp. [h]	Luminous flux [lm]	Efficiency [lm/W]
DUEVO				
3301/3302 ... H50/60	+ 50/60	L95 > 100,000	12,000 – 34,000	up to 177
3301/3302 ... H70	+ 70	L95 > 100,000	12,000 – 24,000	up to 182
3301 ... H80	+ 80	L95 > 100,000	12,000	182
3301/3302 ... H90 OV	+ 90	Consulting required		
3301/3302 ... T40	– 40	L95 > 100,000	12,000 – 46,000	up to 182
TRIANO disc				
3410 ... G3 H50	+ 50	L80 > 80,000	10.000	154
3420/3430 ... G3 H45	+ 45	L80 > 80,000	18,000 – 30,000	up to 161
TRIANO				
3401/3402 ... G3 H50/60	+ 50/60	L80 > 80,000	13,500 – 20,000	up to 163
3402 ... G3 H70	+ 70	L80 > 80,000	13,500 – 20,000	up to 163
3402 ... G3 T40	– 40	L80 > 80,000	13,500 – 20,000	up to 163
TRIANO L				
3403 ... G3 H50/60	+ 50/60	L80 > 80,000	27,000 – 39,500	up to 163
3403 ... G3 H70	+ 70	L80 > 80,000	27,000	163
3403 ... G3 T40	– 40	L80 > 80,000	27,000 – 39,500	up to 163
TRIANO XL				
3405 ... G3 H50/60	+ 50/60	L95 > 100,000	32,000 – 60,000	up to 160
3405 ... G3 H70	+ 70	L95 > 100,000	32,000	160
3405 ... G3 T40	– 40	L95 > 100,000	32,000 – 60,000	up to 160
AREALO 2				
7955 ... H70/T40	– 40 up to + 70	L95 > 100,000	19,900	195
7955 ... H60/T40	– 40 up to + 60	L95 > 100,000	27,500	191

Other series and temperature versions on request.



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SCHUCH

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