

# LED FLOODLIGHT SERIES E8820 EXSTREAM

Zones 1, 2, 21, 22

Full catalogue available on our website: [www.inpratex.com](http://www.inpratex.com)

## ATEX FLOODLIGHTS

ZONES 1, 2 (gas) & 21, 22 (dust)

Robust, highly efficient and extremely durable, these are the outstanding properties of the explosion-proof LED floodlight series ExSTREAM. A cooling rib structure that completely encloses each housing segment characterises the design of the Ex light fitting.

The result is excellent heat dissipation, supported by good convection and thus additional cooling of each luminaire segment. In conjunction with high-quality LEDs and electronic ballasts, these are the best prerequisites for a long service life, even at high temperatures. Thanks to the modular structure, you can choose the luminous flux that you need for your project and can therefore efficiently replace conventional luminaires with high pressure sodium vapor lamps up to at least 400W.

Ease of assembly and maintenance were also the focus of the development of the ExSTREAM.

The large connection space with two cable entries not only enables comfortable electrical connection, but also cost-saving in-out wiring without additional junction boxes.

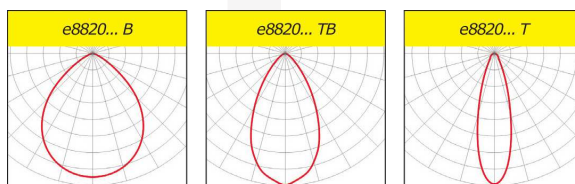
With the mounting bracket, which can be swiveled in 5° steps, the floodlight can be adjusted quickly and easily as required.



EU-Type Examination Certificate

Options:

- ECG with DALI interface for dimming (DIMD)
- for ambient temperatures down to -40°C
- seawater-resistant version (SWP)



### ITEM REFERENCES

Designation:	Power:	Lumin. flux:	Efficacy lm/W:	T. max.	Weight:	Item No.:
wide beam (available in 2 versions: with 3 or 6 LED modules)						
e8820/3 L120B H55	87W	11.850 lm	136	55°C	15 kg	1B1301
e8820/3 L150B	125W	15.800 lm	126	40°C	15 kg	1B1302
e8820/6 L240B H55	174W	23.700 lm	136	55°C	21 kg	1B1303
e8820/6 L300B	250W	31.600 lm	126	40°C	21 kg	1B1304
narrow wide beam (available in 2 versions: with 3 or 6 LED modules)						
e8820/3 L120TB H55	87W	11.100 lm	128	55°C	15 kg	1B1305
e8820/3 L150TB	125W	14.650 lm	117	40°C	15 kg	1B1306
e8820/6 L240TB H55	174W	22.200 lm	128	55°C	21 kg	1B1307
e8820/6 L300TB	250W	29.300 lm	117	40°C	21 kg	1B1308
narrow beam (available in 2 versions: with 3 or 6 LED modules)						
e8820/3 L120T H55	87W	10.300 lm	118	55°C	15 kg	1B1309
e8820/3 L150T	125W	13.500 lm	108	40°C	15 kg	1B1310
e8820/6 L240T H55	174W	20.600 lm	118	55°C	21 kg	1B1311
e8820/6 L300T	250W	27.000 lm	108	40°C	21 kg	1B1312

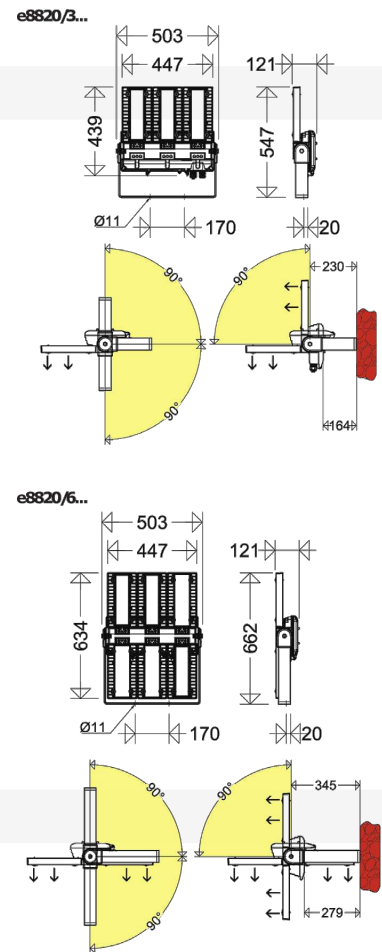
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## Product highlights:

- robust, modular design
- highly efficient due to the use of high quality MID-Power LEDs
- extremely long lifetime even at maximum permissible ambient temperature
- optimized thermal management
  - direct mounting of the LED modules to the aluminum housing
  - separate housings for ECG- and LED-modules
  - LED housing with integrated cooling fin structure
  - large cooling surface, excellent heat dissipation, very good convection
- colour rendering index CRI > 80, according to the workplace guide lines suitable for nearly all plant locations
- homogeneous and effective light distribution by specially calculated lens optics
- inclination angle adjustable in 5 steps
- sustainable, components interchangeable
- eco-friendly with 0 installation (plane surface floodlights), no light emission into the upper half-space, Dark-Sky requirements are fulfilled



TECHNICAL SPECIFICATIONS	
Marking:	 II 2G Ex eb mb q IIC T4 Gb  II 2D Ex tb IIIC T100 °C Db
Certificate:	EU-Type Examination Certificate
Housing:	Die-cast aluminum, multi-part, thermally separated, powder-coated DB702 (mica-iron paint, grey)
LED housing:	With LED modules, optics and safety glass
Device housing:	With built-in control gear, wired ready for connection
Front cover:	Thermally resistant safety glass, impact resistance IK08
LED:	LED-module approx. 5,500K (TB- and B-optics) or approx. 6,500K (T-optics), CRI > 80, life cycle $L_{70}B_{10} > 100.000h$ , $L_{80}B_{50} > 100.000h$ at max. ambient temperature
Operating temperature:	-30°C up to +40°C/+55°C (see item tables)
Operating frequency:	0 or 50-60Hz
Rated voltage:	220 - 240V AC/DC overvoltage, overload and short circuit protection
Ingress protection:	IP66
Mounting:	Stainless steel bracket, adjustable in 5° steps around the longitudinal axis of the floodlight
Standard mounting:	Light beam downwards or horizontally
Connection:	5 poles, max. clamping range 4mm <sup>2</sup>
Cable entries:	2xM25X1,5 (2 glands - one of them is plugged)
* Due to the inrush current of the electronic ballasts, the maximum permissible number of light fittings per circuit breaker is limited.	