



**Hazardous**  
Lighting Solutions LTD



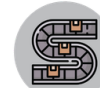
# HPL425LED



*Anticorrosive, waterproof industrial luminaire*



PASSAGEWAYS



PRODUCTION LINES



WAREHOUSES



INDUSTRIAL BUILDINGS



-25°C



+50°C



VIBRO PROOF



LED OPTICS



HIGH OUTPUT



IP65



IP66



CENTRAL BATTERY



CONTROL SYSTEM DALI

## MECHANICAL FEATURES

**Housing:** powder coated stainless steel (NIRO)

**Diffuser:** tempered glass (GL) with screen printing

**Ingress protection:** IP65 / IP66

**Protection class:** I

**Mounting:** mounting on a bracket

**Accessories:** optional vibroinsulators

## ELECTRICAL FEATURES

**Connection terminals:** 2.5 mm<sup>2</sup>, 4.0 mm<sup>2</sup> (optional)

**Power supply:** 220–240V, 50–60Hz

**Source of light:** ENEC certified LED modules

**Power factor:** >0.95

**Cable inlets:** Ø20 (wire 6–13 mm)

Ø25 (option, wire 9–17 mm)

**Overvoltage protection:** L–N: 1 kV (10 kV option)

L/N–PE: 2 kV (10 kV option)

## WORK PARAMETERS

**Ambient temperature:** -25°C to +55°C (check: types comparison)

**Lifetime:** 70,000h (L80 B10)

100,000h (L70 B10)

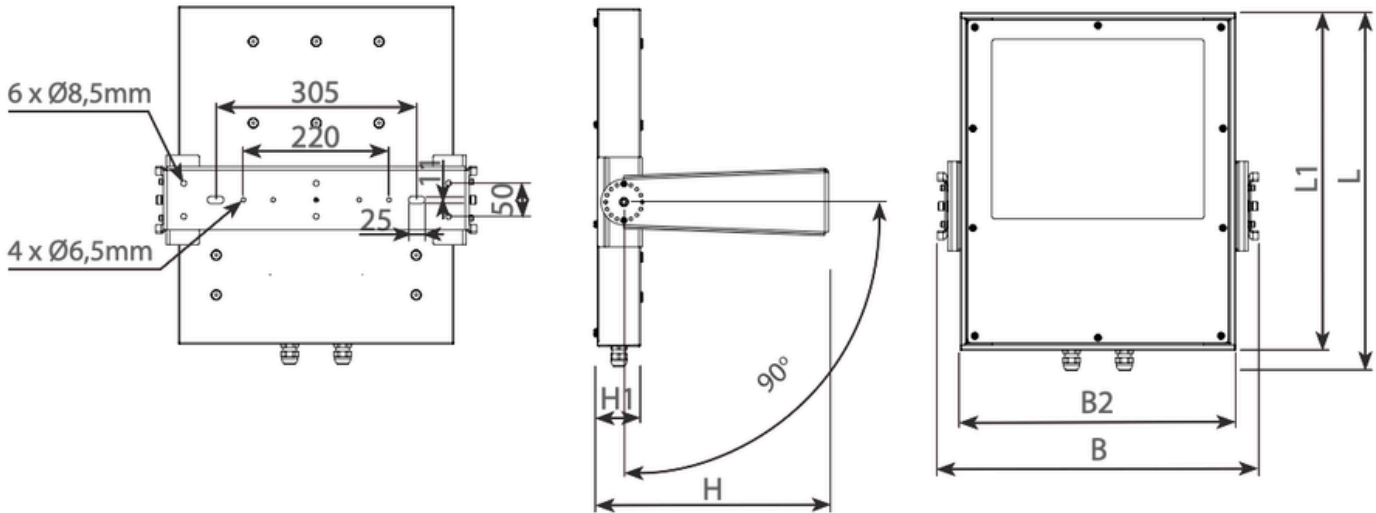
## PHOTOMETRICAL PARAMETERS

**CRI:** >80

**Colour temperature:** 4000K, 5000K (optional), 6500K (optional)

**MacAdam:** 3 SDCM

## DIMENSIONS



Type	L [mm]	L1 [mm]	B [mm]	B2 [mm]	H [mm]	H1 [mm]	Weight
HPL425LED	540	509	485	416	349	65	~15 kg

## TYPE COMPARISONS

Type	Luminous Flux [lm]	Power Consumption [W]	Efficiency [lm/W]	Max. Amb. Temp. [°C]
HPL425LED-050	6,345	49	129	55
HPL425LED-060	7,685	62	124	50
HPL425LED-080	9,380	78.8	119	45

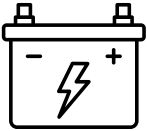
## MAXIMAL NUMBER OF FIXTURES CONNECTED IN LINE

Type	B16	C16	Max. Starting Current	Starting Time
HPL425LED-050	22	36	22.4 A	< 176 µs
HPL425LED-060	21	35	29 A	< 155 µs
HPL425LED-080				

## OPTIONAL VERSIONS



**DALI-2 DRIVER:** INTEGRATED POWER SUPPLY UNIT WITH DALI-2 INTERFACE.



**CENTRAL BATTERY:** VERSION WITH A DRIVER FOR CENTRAL BATTERY WITHOUT SWITCHING MODULE.



**VOBROPROOF BRACKET:** VERSION EQUIPPED WITH A BRACKET WITH VIBRATION ISOLATORS.

## PHOTOMETRY

