



HPL425LED





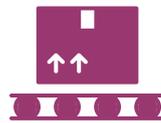
EXEMPLARY APPLICATIONS



INDUSTRY
BUILDINGS



WAREHOUSES



PRODUCTION
LINES



PASSAGEWAYS

Anticorrosive, waterproof industrial luminaire with LED modules for indoor and outdoor applications. Thanks to use of optional vibro insulators it is suitable to work in places exposed to the occurrence of vibrations.

Optional version with an integrated power supply unit with DALI-2 interface **DA** or suitable for central battery **ZB**. Optionally the floodlight may be equipped with vibroproof bracket **VP**.

FEATURES

MECHANICAL PARAMETERS

	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 PARAMETERS

2,5 mm²
4,0 mm² - *optionally*

connection terminals



220-240V 0,50-60Hz

power supply



ENEC certified LED modules

source of light



>0,95

power factor



Ø20 (wire 6-13mm)
Ø25 - *option* (wire 9-17mm)

cable inlets



L-N: 1kV (10kV - *option*)
L/N-PE: 2kV (10kV - *option*)

overvoltage protection



WORK PARAMETERS

	ambient temperature	-25°C to +55°C <i>check: types comparison</i>
	lifetime	>70.000h L ₈₀ B ₁₀ >100.000h L ₇₀ B ₁₀

PHOTOMETRICAL PARAMETERS

>80

CRI



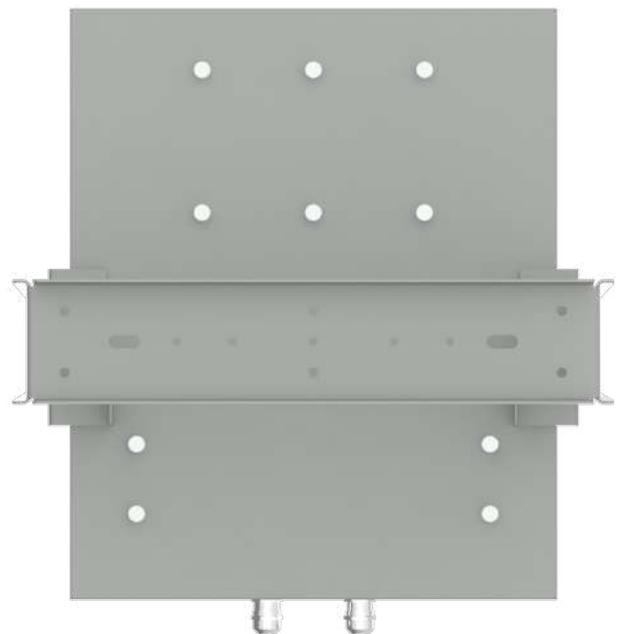
4000K
5000K - *opcjonalnie*
6500K - *opcjonalnie*

colour temperature



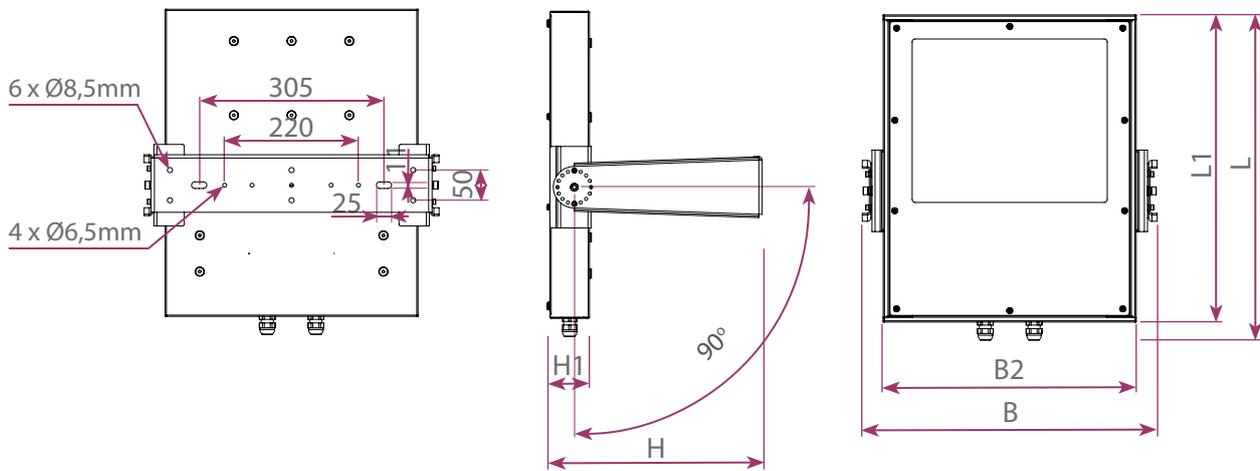
3 SDCM

MacAdam



As a standard, the housing is equipped with a 20 gland system (two glands). This housing can be used both as a terminal and a cross-type. The glands are equipped with sealing plugs, which should be left in place if the glands are not used.

WYMIARY



TYPE	L	L1	B	B2	H	H1	weight
HPL425LED	540	509	485	416	349	65	~15kg

TYPES COMPARISON

TYPE	LUMINOUS FLUX [lm]	POWER CONSUMP. [W]	EFFICIENCY [lm/W]	MAX. AMB. TEMP. [°C]
HPL425LED-050	6 345	49,0	129	55
HPL425LED-060	7 685	62,0	124	50
HPL425LED-080	9 380	78,8	119	45



Luminous flux tolerance +/- 10%
 Power tolerance +/- 10%
 The parameters given in the following data sheet has been determined for the temperature Ta=25°C.

Luminous flux, light intensity distribution and efficiency has been tested on the basis of the standards EN ISO 17025:2005, norm series EN13032 and LM-79.

The actual data and General Warranty Conditions are available on our website www.atmlighting.pl

MAXIMAL NUMBER OF FIXTURES CONNECTED IN LINE

MAXIMAL NUMBER OF LINE CONNECTED LUMINAIRES DEPENDING ON THE USED CIRCUIT BREAKERS

TYPE	B16	C16	Max. starting current	Starting time
HPL425LED-050	22	36	22,4A	< 176µs
HPL425LED-060	21	35	29A	< 155µs
HPL425LED-080				

EMERGENCY VERSION



Central battery:

Version with a driver for central battery without switching module.

ZB

Operating temperature range - see type summary table on page 4.

The luminous flux of the ZB version of the luminaire is 50% of the nominal flux and the operating voltage range is 176-280V 0Hz.



DALI driver:

Integrated power supply unit with DALI-2 interface.

DA

Optionally, the luminaire can be equipped with an integrated power supply with a DALI-2 interface, which allows monitoring the operation of the luminaires and controlling the lighting using data directly from motion sensors or from the building management system (BIM). A properly configured lighting control system can significantly reduce electricity costs and improve the ergonomics of users' work.

For temperatures below -30°C, DALI functionality may be limited. Power supply on the terminal > 12V.

OPTIONAL EQUIPMENT

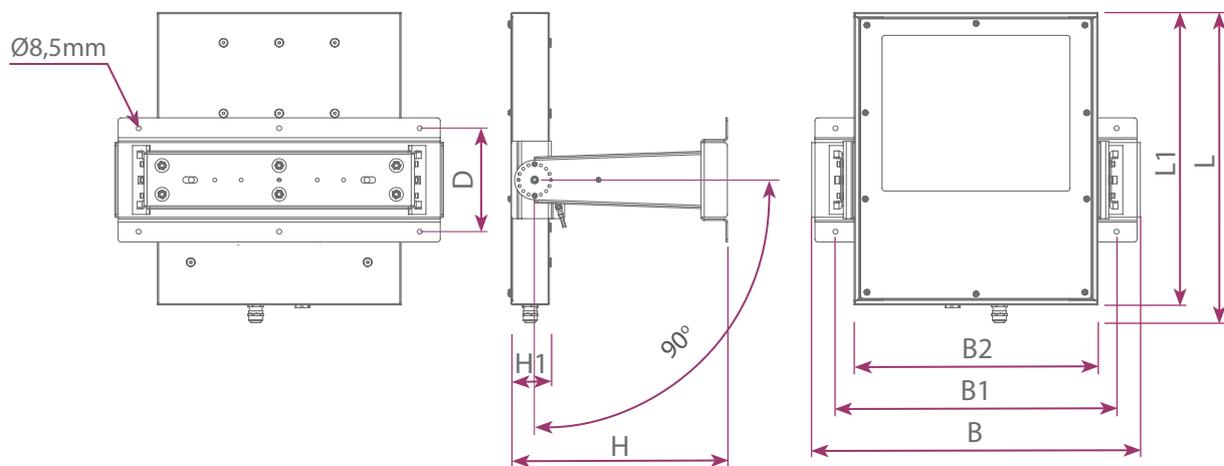


Vibroproof bracket:

Version equipped with a bracket with vibration isolators.

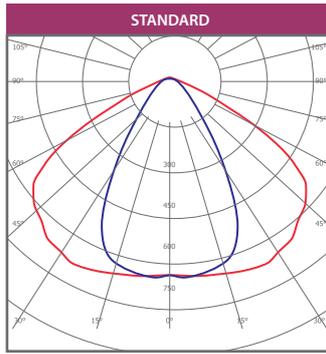
VP

An anaerobic adhesive is used to increase durability and safety on sensitive threaded connections. The use of additional adhesive prevents self-loosening of parts subjected to vibrations. An additional support made of thick steel increases safety in the event of damage to the damped elements. The frame is additionally secured using a safety cable.



TYPE	L	L1	B	B1	B2	H	H1	D
HPL425LED	540	509	561	480	416	369	65	180

PHOTOMETRY



CONFIGURATION

H	P	L	4	2	5	L	E	D	-				-	3	5	E	-	30	-	20	P	20	-	NIRO	-	GL	-		-		-								
group industrial light fittings										0	5	0											50	10	M	25											ZB	DA	VP
type type 425										0	6	0																											
source of light LED modules										0	8	0																											
approximate power [W]																																							
power supply 34E - 220-240V 0/50=60Hz																																							
wiring 30 - single 3-pole terminal → <input type="text" value="3"/> standard verion, ZB 50 - single 5-pole terminal → <input type="text" value="5"/> version DA, ZB-DA																																							
cable inlets - quantity 10 - one cable inlet on one side of the housing → <input type="text" value="1"/> <input type="text" value="0"/> 20 - two cable inlets on one side of the housing → <input type="text" value="2"/> <input type="text" value="0"/>																																							
cable inlets - type P - plastic calbe inlet M - metal cable inlet RST - plug and socket																																							
cable inlets - size 20 - Ø20 25 - Ø25																																							
housing material NIRO - stainless steel																																							
diffuser material GL - tempered glass																																							
emergency version ZB - version with driver for central battery - without switching module																																							
optional equipment DA - version with an itegrated power supply with DALI interface																																							
optional equipment VP - version with vibration isolators																																							

DOWNLOADS

