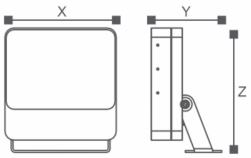


firmus I hp
pureWhite

The firmus luminaire range has a restrained, linear design. It is ideal for use in urban spaces such as public squares and the surrounding architecture, which are harmoniously highlighted without competing with the illuminated architecture. The appropriate light intensity can be selected from various output classes depending on the application and requirements. This scalability in terms of maximum luminous flux and the different, application-oriented light distribution curves makes the firmus luminaire range an indispensable tool for architects, lighting designers, and urban planners.

Only high-quality materials and components suitable for outdoor use are used for the firmus luminaires. In addition, the luminaire system has been developed to be future-proof, aiming for holistic sustainability.

Dimensions



Metric:
305 x 193 x 338 mm [X x Y x Z]
Imperial
12.01 x 7.60 x 13.31 in [X x Y x Z]

Technical Data

Luminous color	2700 K, 3000 K, 3500 K, 4000 K
Luminous flux	max. 8400 lm
Number of LED(s)	12 LEDs
Dimming	Integrated interface(s) / control: 0-10 V, DALI, DMX, IoT
Housing	Aluminium die casting
Housing color	DB 703 metallic dark grey fine-textured, RAL_ _ _ _,(fine-textured, matt), RAL_ _ _ _, (smooth, matt)
Lens	Ultra clear, tempered safety glass
Environment	Indoor, Outdoor
Ingress protection rating	IP66
Humidity	0 to 95%, non-condensing
Ambient temperature (Operation)	-40 °C to 40 °C | -40 °F to 104 °F
Ambient temperature (Storage)	-40 °C to 80 °C | -40 °F to 176 °F
Ambient temperature (Start-up process)	-25 °C to 40 °C | -13 °F to 104 °F
Lumen Maintenance [L70] @ 25 °C	65,000 h
Lumen Maintenance [L70] @ 40 °C	40,000 h
Impact protection rating	IK08
Electrical data	

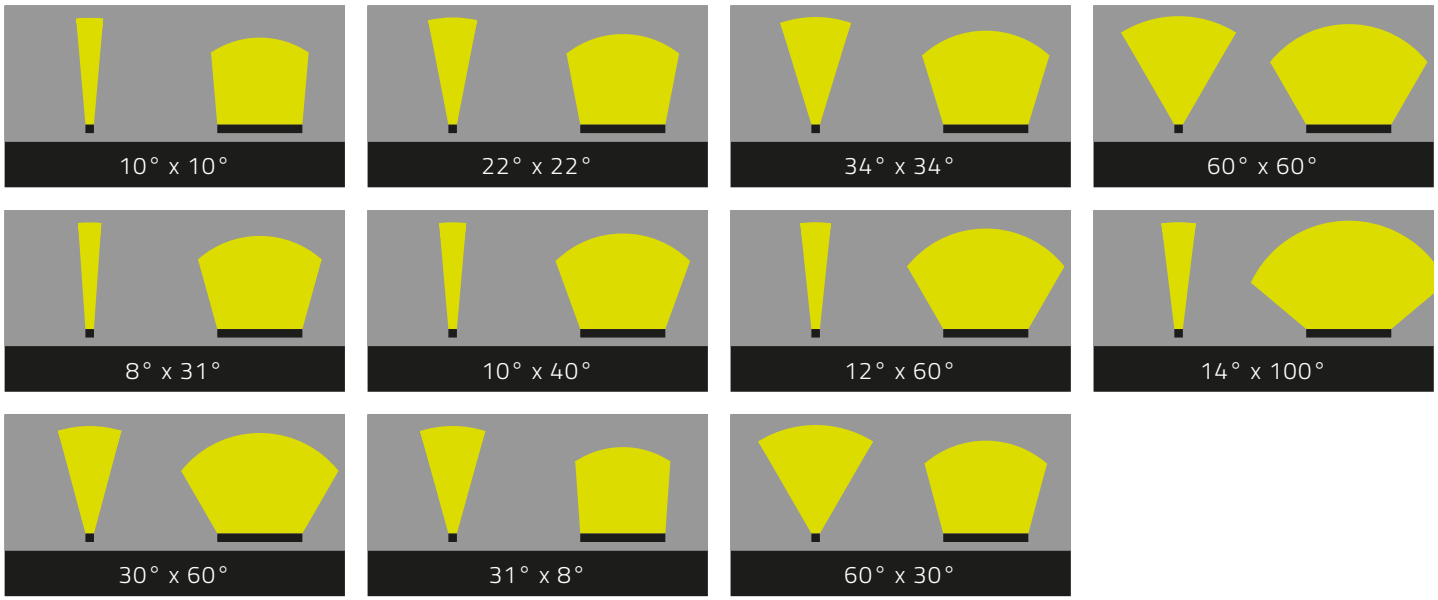
Integrated interface(s) / control: 0-10 V, DALI, DMX, IoT	
Internal power supply	100 - 240, 277 VAC (50 - 60 Hz)
Power Consumption	135 W
Protection class	III
LED-Class	Class 2 LED-Product
Approbation	CE, ETL, FCC

Designed and Developed in Bavaria.
Made in Germany.

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All information without guarantee. Errors, changes and misprints excepted.

Beam Angles



Accessories



**Pole Attachment
Bracket**
Pole attachment bracket for conical pole

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firmus I hp *pureWhite*

Configurator

FIR-L-HP -(1)_____ -(2)_____ -(3)_____ -(4)_____ -(5)_____ -(6)_____ -(7)_____-Y01

1 Luminous color	
PW8327	pW 2700 K (CRI > 80 / 3 SDCM)
PW8330	pW 3000 K (CRI > 80 / 3 SDCM)
PW8335	pW 3500 K (CRI > 80 / 3 SDCM)
PW8340	pW 4000 K (CRI > 80 / 3 SDCM)

2 Dimming	
010V	0-10 V
DALI	DALI
DMX	DMX
IOT	IoT

3 Beam Angle	
10X10	10° x 10°
22X22	22° x 22°
34X34	34° x 34°
60X60	60° x 60°
8X31	8° x 31°
10X40	10° x 40°
12X60	12° x 60°
14X100	14° x 100°
30X60	30° x 60°
31X8	31° x 8°
60X30	60° x 30°

4 Approbation	
CE	European Union
ETL	North America

5 Housing color	
DB703	DB 703 metallic dark grey fine-textured
R____FM	RAL____,(fine-textured, matt)
R____SM	RAL____, (smooth, matt)

6 Wiring configuration	
PIDI	Power IN + Data IN
PIDO	Power IN + Data IN/OUT
PIDX	Power IN
PODI	Power IN/OUT + Data IN
PODO	Power IN/OUT + Data IN/OUT

7 Leader cable length	
000	no leader cable - self assembly
006	60 cm (23.6 in) leader cable
030	3 m (118 in) leader cable

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