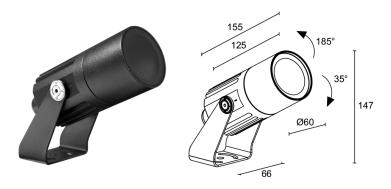


#### Made in Italy



Flori 1.0, code: FS101005XH Projectors for outdoor applications

# 



#### DESCRIPTION

projector for outdoor applications; surface mounted (ceiling, wall, ground, spike, strap); Power consumption: 7W; Power supply: 230Vac; Lumen output at source: 657 lm (3000K, CRI 80); Delivered lumen output: 366 lm (3000K, 31°, CRI 80); 1 power LED High Intensity, 3-step MacAdam, 50 000h L90 B10 (Ta 25°C); LED colour: 3000K; Optics: 45°x10°; CRI Colour Rendering Index: 80; Body material: body in aluminium; Finishes: anthracite; RAL finish on request; Screen material: screen in serigraphed, transparent and tempered extra-clear glass; built-in power supply unit; includes 1.5 m neoprene cable H05RN-F 3x1.0 Ø7 mm; Ingress protection: IP66; Impact resistance: IK07; version with 24Vdc power supply available on request; Protection systems: IPS (Intelligent Protection System) protects lighting fixtures from water infiltrations, which can occur if there are faulty junctions between the cables in outdoor or underwater applications. This innovation, patented by L&L, also guarantees electrical protection against polarity reversal, hot plugging, ESD and power surges, which can occur if there are faults in the electrical circuit; The PID (Protective Impedance Device) protects lighting fixtures from electrical phenomena external to the system, such as static electricity accumulation or electromagnetic interference coming from the mains power. Generally, these are events with a low energy content; Operating temperature: -20°C -+45°C; Glow wire test: 960°C; Photobiological safety: photobiological safety: risk group 1 according to EN 62471:2006; Appliance class: class I; Weight: 800 g; Dimensions: Ø60x154x147 mm; Energy efficiency class: F (light source) in accordance with EU 2019/2015; Accessories: WB1001H Standard snoot - anthracite, WB1002H Asymmetrical snoot - anthracite, WB1003N Barn doors - black, WHA0005 Honeycomb louvre , WP0100 Spike for in-ground installation, WP1001H Spike with bracket for in-ground installation - h 500 mm - anthracite, WP1002H Spike with bracket for inground installation - h 800 mm - anthracite, WP1003H Arm with bracket for wall-mounted installation - h 420 mm - anthracite, WP1004 Fastener strap - 5 m; tested and approved via E.O.L. (End Of Line) test with functioning test and check of electrical power consumption

Status: Available

#### DATASHEET

### **TECHNICAL DATA**



ELECTRICAL CHARACTERISTICS   Power consumption 7W   Power supply 230Vac   Power supply unit built-in power supply unit   LIGHTING CHARACTERISTICS Inpower LED High Intensity   Average LED life 50 000 h 20 B10 (Ta 25°C)   LED colour 3000K   CRI Colour Rendering Index 80   Binning 3-step MacAdam   Optics 45°x10°   Lumen output at source 660 (m 3000K, S1°, CRI 80)   Delivered lumen output 366 (m 3000K, S1°, CRI 80)   Delivered lumen output 366 (m 3000K, S1°, CRI 80)   Delivered lumen output 860 (m 3000K, S1°, CRI 80)   Delivered lumen output 860 (m 3000K, S1°, CRI 80)   Delivered lumen output 860 (m 3000K, S1°, CRI 80)   Delivered lumen output 860 (m 3000K, S1°, CRI 80)   Screen material screen serigraphed, transparent, tempered extra-clear glass   Body material body in aluminium   Screen material screen in serigraphed, transparent, tempered extra-clear glass   GENERAL CHARACTERISTICS Ingrass protection   Ingrass protection Screen material <th></th> <th></th>		
Power supply230/acPower supply unitbullt-in power supply unitLICHTING CHARACTERISTICSNumber and type of LED1 power LED High IntensityAverage LED life50 000h L90 B10 (Ta 25°C)LED colour3000KCRI Colour Rendering Index80Binning3-step MacAdamOptics45°x 10°Lumen output at source657 Im (3000K, CRI 80)Delivered lumen output369 Im (3000K, CRI 80)Delivered lumen output800 gFinishesanthraciteMountingbody in aluminiumScreen materialscreen in sergaphed, transparent, tempered extra-clear glassGENERAL CHARACTERISTICSFights source) in accordance with EU 2019/2015Impact resistanceFight source) in accordance with EU 2019/2015Glow wire test960°CAppliance classclass 1WalkovernoPower cablesincludes 1.5 m neoprene cable H05RN-F 3x1.0 Q7 rmProtection systemsIPS (Intelligent Protection System); PID (Protective Impedance Device)Protection systemsIPS (Intelligent Protection System); PID (Protective Impedance Device)Protection systemsIPS (Intelligent Protection System); PID (Protective Impedance Device)Protection systemsIPS (Intelligent Protection System); PID (Protective Impedance Device)	ELECTRICAL CHARACTERISTICS	
Power supply unit built-in power supply unit   LIGHTING CHARACTERISTICS   Number and type of LED 1 power LED High Intensity   Average LED life 50 000h L90 B10 (Ta 25°C)   LED colour 3000K   CRI Colour Rendering Index 80   Binning 3-step MacAdam   Optics 45°x10°   Lumen output at source 657 Im (3000K, CRI 80)   Delivered lumen output 366 im (300K, 31°, CRI 80)   Delivered lumen output 366 im (300K, 31°, CRI 80)   Methyl 360 g   Finishes 040x1, 54x147 mm   Weight 80 0 g   Finishes anttracite   Mounting with bracket, screws and plugs   Body material body in aluminium   Screen material screen in serigraphed, transparent, tempered extra-clear glass <b>CHERAL CHARACTERISTICS</b> Impact resistance   Ingress protection IP66   Operating temperature -20°C - +45°C   Impact resistance K07   Energy efficiency class F (light source) in accordiance with EU 2019/2015   Glow	Power consumption	7W
LIGHTING CHARACTERISTICS   Number and type of LED 1 power LED High Intensity   Average LED Ife 50 000h L90 B10 (Ta 25°C)   LED colour 3000K   CRI Colour Rendering Index 80   Binning 3-step MacAdam   Optics 45°x 10°   Lumen output at source 657 Im (3000K, CRI 80)   Delivered lumen output 366 Im (3000K, S1°, CRI 80)   Delivered lumen output 366 Im (3000K, 31°, CRI 80)   MECHANICAL CHARACTERISTICS 060x154/x147 mm   Weight 800 g   Finishes anthracite   Mounting with bracket, screws and plugs   Body material body in aluminium   Screen material screen in serigraphed, transparent, tempered extra-clear glass   CHERAL CHARACTERISTICS Impact resistance   Ingress protection IP66   Operating temperature 20°C - 445°C   Impact resistance IK07   Energy efficiency class F (light source) in accordance with EU 2019/2015   Glow wire test 960°C   Appliance class class I   Va	Power supply	230Vac
Number and type of LED1 power LED High IntensityAverage LED life50 000h L90 B10 (Ta 25°C)LED colour3000KCRI Colour Rendering Index80Binning3-step MacAdamOptics45°x 10°Lumen output at source65/x 10 (3000K, CRI 80)Delivered lumen output36 Im (3000K, CRI 80)Delivered lumen output36/x 16/x CRI 80)Delivered lumen output36/x 16/x 147 mmWeight800 gFinishesanttraciteMountingwith bracket, screws and plugsBody materialscreen in serigraphed, transparent, tempered extra-clear glass <b>GENEAL CHARACTERISTICS</b> FIGIngress protectionP66Operating temperature-20°C - +45°CIngress protectionFilight source) in accordance with EU 2019/2015Glow wire test860°CApplance classclass 1WalkovernoDrive-overnoProtection systemsP16 (Inteligent Protection System); PID (Protective Impedance Device)Protection systemsIPS (Inteligent Protection System); PID (Protective Impedance Device)	Power supply unit	built-in power supply unit
Average LED ife50 000h L90 B10 (ra 25°C)LED colour3000KCRI Colour Rendering Index80Binning3-step MacAdamOptics45°x10°Lumen output at source657 im (3000K, CRI 80)Delivered lumen output666 im (3000K, 31°, CRI 80) <b>MECHANICAL CHARACTERISTICS</b> Dimensions060x154x147 mmWeight800 gFinishesanthraciteMountingwith bracket, screws and plugsBody materialbody in aluminiumScreen materialscreen in serigraphed, transparent, tempered extra-clear glass <b>GENERAL CHARACTERISTICS</b> Ingress protectionIP66Operating temperature20°C - +45°CIngress protectionK07Energy efficiency classF (light source) in accordance with EU 2019/2015Glow wire test960°CAppliance classclass 1WalkovernoPrive-overnoProtection systems; PID (Protective Impedance Device)Protection systemsIPS (Intelligent Protection System); PID (Protective Impedance Device)Photobiological safetyphotobiological safety: risk group 1 according to EN 62471:2006	LIGHTING CHARACTERISTICS	
LED colour3000KCRI Colour Rendering Index80Binning3-step MacAdamOptics45*x10°Lumen output at source657 Im (3000K, CRI 80)Delivered lumen output366 Im (3000K, S1*, CRI 80)Delivered lumen output366 Im (3000K, S1*, CRI 80)Dirensions060x154x147 mmWeight800 gFinishesanthraciteMountingwith bracket, screws and plugsBody materialbody in aluminiumScreen materialscreen in serigraphed, transparent, tempered extra-clear glass <b>GENERAL CHARACTERISTICS</b> Impact resistanceIngress protectionIP66Operating temperature20°C - +45°CIngress protectionK07Energy efficiency classF (light source) in accordance with EU 2019/2015Glow wire test960°CAppliance classclass 1WalkovernoPrive-overnoPrive-overNoProtection systemsIPS (Intelligent Protection System); PID (Protective Impedance Device)Protobiological safetyphotobiological safety: risk group 1 according to EN 62471:2006	Number and type of LED	1 power LED High Intensity
CRI Colour Rendering Index 80   Binning 3-step MacAdam   Optics 45°x10°   Lumen output at source 657 Im (3000K, CRI 80)   Delivered lumen output 366 Im (3000K, S1°, CRI 80) <b>MECHANICAL CHARACTERISTICS</b> 500 g   Dimensions Ø60x154x147 mm   Weight 800 g   Finishes anthracite   Mounting with bracket, screws and plugs   Body material body in aluminium   Screen material screen in serigraphed, transparent, tempered extra-clear glass <b>GERERAL CHARACTERISTICS</b> 100° C   Impact resistance 100° C   Impact resistance 20° C - +45° C   Impact resistance 100° C   Glow wire test 980° C   Appliance class 108 C   Walkover no   Prive-over no   Prive-over no   Protection systems IPS (Intelligent Protection System); PID (Protective Impedance Device)   Protection systems IPS biological safety: risk group 1 according to EN 62471:2006	Average LED life	50 000h L90 B10 (Ta 25°C)
Binning3-step MacAdamOptics45°x10°Lumen output at source657 Im (3000K, CRI 80)Delivered lumen output366 Im (3000K, S1°, CRI 80)MECHANICAL CHARACTERISTICSDimensions060x154x147 mmWeight800 gFinishesanttraciteMountingwith bracket, screws and plugsBody materialbody in aluminiumScreen materialceren in serigraphed, transparent, tempered extra-clear glassOperating temperature-20°C - +45°CImpact resistanceIK07Entergy efficiency classClight source) in accordance with EU 2019/2015Glow wire test96°CAppliance classclass IWalkovernoPrive-overnoProtection systemsIPS (Intelligent Protection System); PID (Protective Impedance Device)Protobiological safetyphotobiological safety: risk group 1 according to EN 62471:2005	LED colour	3000K
Optics 45°x10°   Lumen output at source 657 Im (300K, CRI 80)   Delivered lumen output 366 Im (300K, S1°, CRI 80) <b>MECHANICAL CHARACTERISTICS</b> Dimensions 060x154x147 mm   Weight 800 g   Finishes anthracite   Mounting with bracket, screws and plugs   Body material body in aluminium   Screen material screen in serigraphed, transparent, tempered extra-clear glass <b>GENERAL CHARACTERISTICS</b> Ingress protection IP66   Operating temperature -20°C - +45°C   Ingress protection IK07   Energy efficiency class F (light source) in accordance with EU 2019/2015   Glow wire test 960°C   Appliance class class 1   Walkover no   Drive-over no   Power cables includes 1.5 m neoprene cable H05RN-F 3x1,0 07 mm   Protection systems IPS (Intelligent Protection System); PID (Protective Impedance Device)	CRI Colour Rendering Index	80
Lumen output at source657 Im (3000K, CRI 80)Delivered lumen output366 Im (3000K, 31°, CRI 80)MECHANICAL CHARACTERISTICS060x154x147 mmWeight800 gFinishesanthraciteMountingwith bracket, screws and plugsBody materialbody in aluminiumScreen materialscreen in serigraphed, transparent, tempered extra-clear glassGENERAL CHARACTERISTICSIngress protectionIP66Operating temperature-20°C - ±45°CIngress protectionIK07Energy efficiency classF (light source) in accordance with EU 2019/2015Glow wire test960°CAppliance classclass 1MikovernoDrive-overnoProtection systemsIPS (Intelligent Protection System); PID (Protective Impedance Device)Photobiological safetyphotobiological safety: risk group 1 according to EN 62471:2006	Binning	3-step MacAdam
Delivered lumen output366 Im (3000K, 31°, CRI 80)MECHANICAL CHARACTERISTICSDimensionsØ60x154x147 mmWeight800 gFinishesanthraciteMountingwith bracket, screws and plugsBody materialbody in aluminiumScreen materialscreen in serigraphed, transparent, tempered extra-clear glassGENERAL CHARACTERISTICSIngress protectionIP66Operating temperaturePC° C - +45°CInpact resistanceIK07Energy efficiency classGlass IGlow wire test960°CAppliance classclass IWalkovernoDrive-overnoPower cablesincludes 1.5 m neoprene cable H05RN-F 3x1,0 07 mmProtection systemsIPS (Intelligent Protection System); PID (Protective Impedance Device)Photobiological safetyphotobiological safety: risk group 1 according to EN 62471:2006	Optics	45°x10°
MECHANICAL CHARACTERISTICSDimensionsØ60x154x147 mmWeight800 gFinishesanthraciteMountingwith bracket, screws and plugsBody materialbody in aluminiumScreen materialbody in aluminiumScreen materialP66Operating temperature-20°C - +45°CImpact resistanceIK07Energy efficiency class60°CAppliance classclass IOver test960°CAppliance classclass IDrive-overnoPower cablesincludes 1.5 m neoprene cable H05RN-F 3x1,0 07 mmProtection systemsIPS (Intelligent Protection System); PID (Protective Impedance Device)Photobiological safetyphotobiological safety: risk group 1 according to EN 62471:2006	Lumen output at source	657 lm (3000K, CRI 80)
DimensionsØ60x154x147 mmWeight800 gFinishesanthraciteMountingwith bracket, screws and plugsBody materialbody in aluminiumScreen materialscreen in serigraphed, transparent, tempered extra-clear glassGENERAL CHARACTERISTICSIngress protectionIP66Operating temperature-20°C - +45°CInpact resistanceIK07Energy efficiency classF (light source) in accordance with EU 2019/2015Glow wire test960°CAppliance classclass 1WalkovernoDrive-overnoPower cablesincludes 1.5 m neoprene cable H05RN-F 3x1,0 07 mmProtection systemsIPS (Intelligent Protection System); PID (Protective Impedance Device)Photobiological safetyphotobiological safety: risk group 1 according to EN 62471:2006	Delivered lumen output	366 lm (3000K, 31°, CRI 80)
Weight800 gFinishesanthraciteMountingwith bracket, screws and plugsBody materialbody in aluminiumScreen materialscreen in serigraphed, transparent, tempered extra-clear glassGENERAL CHARACTERISTICSIngress protectionIP66Operating temperature-20°C - +45°CImpact resistanceIK07Energy efficiency classF (light source) in accordance with EU 2019/2015Glow wire test960°CAppliance classclass IWalkovernoDrive-overnoPower cablesincludes 1.5 m neoprene cable H05RN-F 3x1,0 07 mmProtection systemsIPS (Intelligent Protection System); PID (Protective Impedance Device)Photobiological safetyphotobiological safety: risk group 1 according to EN 62471:2006	MECHANICAL CHARACTERISTICS	
FinishesanthraciteMountingwith bracket, screws and plugsBody materialbody in aluminiumScreen materialscreen in serigraphed, transparent, tempered extra-clear glassGENERAL CHARACTERISTICSIngress protectionIP66Operating temperature-20°C - +45°CImpact resistanceIK07Energy efficiency classF (light source) in accordance with EU 2019/2015Glow wire test960°CAppliance classclass IWalkovernoDrive-overnoPower cablesincludes 1.5 m neoprene cable H05RN-F 3x1,0 07 mmProtection systemsIPS (Intelligent Protection System); PID (Protective Impedance Device)Photobiological safetyphotobiological safety: risk group 1 according to EN 62471:2006	Dimensions	Ø60x154x147 mm
Mountingwith bracket, screws and plugsBody materialbody in aluminiumScreen materialscreen in serigraphed, transparent, tempered extra-clear glassGENERAL CHARACTERISTICSIngress protectionIP66Operating temperature-20°C - +45°CImpact resistanceIK07Energy efficiency classF (light source) in accordance with EU 2019/2015Glow wire test960°CAppliance classclass IWalkovernoDrive-overnoPower cablesincludes 1.5 m neoprene cable H05RN-F 3x1,0 07 mmProtection systemsIPS (Intelligent Protection System); PID (Protective Impedance Device)Photobiological safetyphotobiological safety: risk group 1 according to EN 62471:2006	Weight	800 g
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Ingress protectionIP66Operating temperature-20°C - +45°CImpact resistanceIK07Energy efficiency classF (light source) in accordance with EU 2019/2015Glow wire test960°CAppliance classclass IWalkovernoDrive-overnoPower cablesincludes 1.5 m neoprene cable H05RN-F 3x1,0 Ø7 mmProtection systemsIPS (Intelligent Protection System); PID (Protective Impedance Device)Photobiological safetyphotobiological safety: risk group 1 according to EN 62471:2006	Screen material	screen in serigraphed, transparent, tempered extra-clear glass
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Impact resistanceIK07Energy efficiency classF (light source) in accordance with EU 2019/2015Glow wire test960°CAppliance classclass IWalkovernoDrive-overnoPower cablesincludes 1.5 m neoprene cable H05RN-F 3x1,0 Ø7 mmProtection systemsIPS (Intelligent Protection System); PID (Protective Impedance Device)Photobiological safetyphotobiological safety: risk group 1 according to EN 62471:2006	Ingress protection	IP66
Energy efficiency classF (light source) in accordance with EU 2019/2015Glow wire test960°CAppliance classclass IWalkovernoDrive-overnoPower cablesincludes 1.5 m neoprene cable H05RN-F 3x1,0 Ø7 mmProtection systemsIPS (Intelligent Protection System); PID (Protective Impedance Device)Photobiological safetyphotobiological safety: risk group 1 according to EN 62471:2006	Operating temperature	-20°C — +45°C
Glow wire test960°CAppliance classclass IWalkovernoDrive-overnoPower cablesincludes 1.5 m neoprene cable H05RN-F 3x1,0 Ø7 mmProtection systemsIPS (Intelligent Protection System); PID (Protective Impedance Device)Photobiological safetyphotobiological safety: risk group 1 according to EN 62471:2006	Impact resistance	IK07
Appliance classclass IWalkovernoDrive-overnoPower cablesincludes 1.5 m neoprene cable H05RN-F 3x1,0 Ø7 mmProtection systemsIPS (Intelligent Protection System); PID (Protective Impedance Device)Photobiological safetyphotobiological safety: risk group 1 according to EN 62471:2006	Energy efficiency class	F (light source) in accordance with EU 2019/2015
WalkovernoDrive-overnoPower cablesincludes 1.5 m neoprene cable H05RN-F 3x1,0 Ø7 mmProtection systemsIPS (Intelligent Protection System); PID (Protective Impedance Device)Photobiological safetyphotobiological safety: risk group 1 according to EN 62471:2006	Glow wire test	960°C
Drive-overnoPower cablesincludes 1.5 m neoprene cable H05RN-F 3x1,0 Ø7 mmProtection systemsIPS (Intelligent Protection System); PID (Protective Impedance Device)Photobiological safetyphotobiological safety: risk group 1 according to EN 62471:2006	Appliance class	class I
Power cablesincludes 1.5 m neoprene cable H05RN-F 3x1,0 Ø7 mmProtection systemsIPS (Intelligent Protection System); PID (Protective Impedance Device)Photobiological safetyphotobiological safety: risk group 1 according to EN 62471:2006	Walkover	no
Protection systemsIPS (Intelligent Protection System); PID (Protective Impedance Device)Photobiological safetyphotobiological safety: risk group 1 according to EN 62471:2006	Drive-over	no
Photobiological safety: risk group 1 according to EN 62471:2006	Power cables	includes 1.5 m neoprene cable H05RN-F 3x1,0 Ø7 mm
	Protection systems	IPS (Intelligent Protection System); PID (Protective Impedance Device)
Notes version with 24Vdc power supply available on request	Photobiological safety	photobiological safety: risk group 1 according to EN 62471:2006
	Notes	version with 24Vdc power supply available on request

FLORI 1.0, CODE: FS101005XH



## PHOTOMETRIC DATA



			Lux max (3000K )	cd/KIm max 5479	— C0 - C180 —C90 - C270
H (m)	Ø (m)	Ø (m)	7W	HAM	AN
1.00	0.18	0.82	2537		$\mathbb{N}$
2.00	0.36	1.64	634	$\propto$ / $+$	tt(X)
3.00	0.54	2.46	282	$\times$	XX
4.00	0.71	3.28	159	30°	30°
5.00	0.89	4.10	101	0-	

CO C10/



45°x10°

## ACCESSORIES

# Installation Accessories



WP0100 Spike for in-ground installation



WP1002H Spike with bracket for in-ground installation - h 800 mm - anthracite

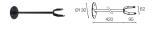
# Anti-glare



WB1001H Standard snoot - anthracite



# WP1001H Spike with bracket for in-ground installation - h 500 mm - anthracite



### WP1003H Arm with bracket for wall-mounted installation - h 420 mm - anthracite



WB1002H Asymmetrical snoot - anthracite





WB1003N Barn doors - black



WHA0005 Honeycomb louvre built into the lighting fixture

Order together with the lighting fixture

Other



WP1004 Fastener strap - 5 m

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