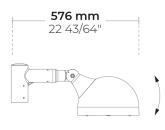
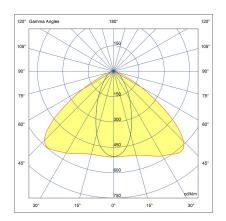
# **RHINO AFX 1 Module**



LL2028.861-EN-T1-350-740









Type I

## Configuration

Light distribution	[T1] 111x48°
Delivered lumens flux	2415 lm
Rated input power	18 W
Color temperature	4000 K CRI 70
Luminaire efficacy	134 lm/W
Lamp	16 LED
Color Deviation	4 SDCM
BUG rating	B1-U0-G0
Lifetime L90 (hour)	>102,000
Lifetime L80 (hour)	>102,000

#### Options

dimensions

### Technical information

Ø2 1/4" x 4"Tilt angle+70°/-30°HousingCorrosion resistant, die-cast, marine grade aluminum housingFinishingChromate conversion pretreatment followed by electrostatic powder coatingFastenersStainless steel (AISI 304 / EN 1.4301 grade)GasketLiquid siliconeLens / ReflectorPMMA lens with high optical efficiencyGlass / DiffusorTempered safety glassImpact protectionIK08Ingress protectionIK08Ingress protectionIClass IWind catching area0,08 m²OriverInternal LED driverDriverInternal LED driverDriver surge6/6 XIPower factor> 0,95Through wiringSingle power cord entryOperating20" of outdoor use rated flexible power cordPacking box20" of outdoor use rated flexible power cord	Mounting	Direct pole or side bracket mountable. Tenon:
HousingCorrosion resistant, die-cast, marine grade aluminum housingFinishingChromate conversion pretreatment followed by electrostatic powder coatingFastenersStainless steel (AISI 304 / EN 1.4301 grade)GasketLiquid siliconeLens / ReflectorPMMA lens with high optical efficiencyGlass / DiffusorTempered safety glassImpact protectionIK08Ingress protectionIK08Ingress protectionIClass IWind catching area0,08 m²(EPA)ED moduleDriverInternal LED driverDriver surge6/6 kVprotectionSingle power cord entryOperatingSingle power cord entryOperating20" of outdoor use rated flexible power cord		Ø2 1/4" x 4"
aluminum housingFinishingChromate conversion pretreatment followed by electrostatic powder coatingFastenersStainless steel (AISI 304 / EN 1.4301 grade)GasketLiquid siliconeLens / ReflectorPMMA lens with high optical efficiencyGlass / DiffusorTempered safety glassImpact protectionIK08Ingress protectionIP66Input voltage220-240V 50/60HzInsulation classClass IWind catching area0,08 m²(EPA)ED moduleDriverInternal LED driverDriver surge6/6 kVprotection> 0.95Through wiringSingle power cord entryOperating-4050°Ctemperature20" of outdoor use rated flexible power cord	Tilt angle	+70°/-30°
FinishingChromate conversion pretreatment followed by electrostatic powder coatingFastenersStainless steel (AISI 304 / EN 1.4301 grade)GasketLiquid siliconeLens / ReflectorPMMA lens with high optical efficiencyGlass / DiffusorTempered safety glassImpact protectionIK08Ingress protectionIP66Input voltage220-240V 50/60HzInsulation classClass IWind catching area0,08 m²(EPA)ED moduleDriverInternal LED driverDriver surge6/6 kVprotection> 0.95Through wiringSingle power cord entryOperating-4050°Ctemperature20" of outdoor use rated flexible power cord	Housing	Corrosion resistant, die-cast, marine grade
electrostatic powder coatingFastenersStainless steel (AISI 304 / EN 1.4301 grade)GasketLiquid siliconeLens / ReflectorPMMA lens with high optical efficiencyGlass / DiffusorTempered safety glassImpact protectionIK08Ingress protectionIK08Ingress protectionIP66Input voltage220-240V 50/60HzInsulation classClass IWind catching area0,08 m²(EPA)6.73 kgLED moduleHigh power LEDs on metal-core PCBDriverInternal LED driverDriver surge6/6 kVprotection> 0.95Through wiringSingle power cord entryOperating-4050°Ctemperature20" of outdoor use rated flexible power cord		aluminum housing
FastenersStainless steel (AISI 304 / EN 1.4301 grade)GasketLiquid siliconeLens / ReflectorPMMA lens with high optical efficiencyGlass / DiffusorTempered safety glassImpact protectionIK08Ingress protectionIP66Input voltage220-240V 50/60HzInsulation classClass IWind catching area0,08 m²(EPA)(EPA)Weight6.73 kgLED moduleHigh power LEDs on metal-core PCBDriverInternal LED driverDriver surge6/6 kVprotection> 0.95Through wiringSingle power cord entryOperating-4050°Ctemperature20" of outdoor use rated flexible power cord	Finishing	Chromate conversion pretreatment followed by
GasketLiquid siliconeLens / ReflectorPMMA lens with high optical efficiencyGlass / DiffusorTempered safety glassImpact protectionIK08Ingress protectionIP66Input voltage220-240V 50/60HzInsulation classClass IWind catching area0,08 m²(EPA)6.73 kgLED moduleHigh power LEDs on metal-core PCBDriverInternal LED driverDriver surge6/6 kVprotection> 0.95Through wiringSingle power cord entryOperating-4050°Ctemperature20" of outdoor use rated flexible power cord		electrostatic powder coating
Lens / ReflectorPMMA lens with high optical efficiencyGlass / DiffusorTempered safety glassImpact protectionIK08Ingress protectionIP66Input voltage220-240V 50/60HzInsulation classClass IWind catching area0,08 m²(EPA)6.73 kgUeight6.73 kgDriverInternal LED driverDriverInternal LED driverProver factor> 0.95Through wiringSingle power cord entryOperating-4050°Ctemperature20" of outdoor use rated flexible power cord	Fasteners	Stainless steel (AISI 304 / EN 1.4301 grade)
Glass / DiffusorTempered safety glassImpact protectionIK08Ingress protectionIP66Input voltage220-240V 50/60HzInsulation classClass IWind catching area0,08 m²(EPA)6.73 kgLED moduleHigh power LEDs on metal-core PCBDriverInternal LED driverDriver surge6/6 kVprotection> 0.95Through wiringSingle power cord entryOperating-4050°Ctemperature20" of outdoor use rated flexible power cord	Gasket	Liquid silicone
Impact protectionIK08Ingress protectionIP66Input voltage220-240V 50/60HzInsulation classClass IWind catching area0,08 m²(EPA)6.73 kgLED moduleHigh power LEDs on metal-core PCBDriverInternal LED driverDriver surge6/6 kVprotection> 0.95Through wiringSingle power cord entryOperating-4050°Ctemperature20" of outdoor use rated flexible power cord	Lens / Reflector	PMMA lens with high optical efficiency
Ingress protectionIP66Ingress protectionIP66Input voltage220-240V 50/60HzInsulation classClass IWind catching area0,08 m²(EPA)6.73 kgLED moduleHigh power LEDs on metal-core PCBDriverInternal LED driverDriver surge6/6 kVprotectionPower factor> 0.95Through wiringSingle power cord entryOperating-4050°Ctemperature20" of outdoor use rated flexible power cord	Glass / Diffusor	Tempered safety glass
Input voltage220-240V 50/60HzInsulation classClass IWind catching area0,08 m²(EPA)6.73 kgLED moduleHigh power LEDs on metal-core PCBDriverInternal LED driverDriver surge6/6 kVprotectionPower factor> 0.95Through wiringSingle power cord entryOperating-4050°Ctemperature20" of outdoor use rated flexible power cord	Impact protection	IK08
Insulation class Class I Wind catching area 0,08 m <sup>2</sup> (EPA) Weight 6.73 kg LED module High power LEDs on metal-core PCB Driver Internal LED driver Driver surge 6/6 kV protection Power factor > 0.95 Through wiring Single power cord entry Operating -4050°C temperature Power cord 20" of outdoor use rated flexible power cord	Ingress protection	IP66
Wind catching area0,08 m²(EPA)(EPA)Weight6.73 kgLED moduleHigh power LEDs on metal-core PCBDriverInternal LED driverDriver surge6/6 kVprotectionPower factor> 0.95Through wiringSingle power cord entryOperating-4050°Ctemperature20" of outdoor use rated flexible power cord	Input voltage	220-240V 50/60Hz
(EPA)Weight6.73 kgLED moduleHigh power LEDs on metal-core PCBDriverInternal LED driverDriver surge6/6 kVprotectionPower factor> 0.95Through wiringSingle power cord entryOperating-4050°CtemperaturePower cord20" of outdoor use rated flexible power cord	Insulation class	Class I
Weight6.73 kgLED moduleHigh power LEDs on metal-core PCBDriverInternal LED driverDriver surge6/6 kVprotection90Power factor> 0.95Through wiringSingle power cord entryOperating-4050°Ctemperature90% of outdoor use rated flexible power cord	Wind catching area	0,08 m²
LED moduleHigh power LEDs on metal-core PCBDriverInternal LED driverDriver surge6/6 kVprotection9Power factor> 0.95Through wiringSingle power cord entryOperating-4050°Ctemperature20" of outdoor use rated flexible power cord	(EPA)	
DriverInternal LED driverDriver surge6/6 kVprotectionPower factor> 0.95Through wiringSingle power cord entryOperating-4050°CtemperaturePower cord20" of outdoor use rated flexible power cord	Weight	6.73 kg
Driver surge6/6 kVprotectionPower factor> 0.95Through wiringSingle power cord entryOperating-4050°CtemperaturePower cord20" of outdoor use rated flexible power cord	LED module	High power LEDs on metal-core PCB
protection > 0.95   Power factor > 0.95   Through wiring Single power cord entry   Operating -4050°C   temperature 20" of outdoor use rated flexible power cord	Driver	Internal LED driver
Power factor> 0.95Through wiringSingle power cord entryOperating-4050°Ctemperature20" of outdoor use rated flexible power cord	Driver surge	6/6 kV
Through wiring Single power cord entry   Operating -4050°C   temperature 20" of outdoor use rated flexible power cord	protection	
Operating -4050°C   temperature 20" of outdoor use rated flexible power cord	Power factor	> 0.95
temperaturePower cord20" of outdoor use rated flexible power cord	Through wiring	Single power cord entry
Power cord20" of outdoor use rated flexible power cord	Operating	-4050°C
-	temperature	
<b>Packing box</b> 32*32*32 cm	Power cord	20" of outdoor use rated flexible power cord
	Packing box	32*32*32 cm

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#### Round tapered aluminum poles with base plate

#### Round tapered aluminum poles (direct burial)

Product code	Height	Diameter / Dimensions	Spigot / End diameter		Product code	Height	Diameter / Dimensions	Spigot / End diameter
PAFK.D114	10', 13.1', 16.4'	Ø4 1/2"	Ø2 3/8", Ø3"		PABK.D114	10', 13.1', 16.4'	Ø4 1/2"	Ø2 3/8", Ø3"
PAFK.D122	13.1', 16.4', 19.7'	Ø5"	Ø2 3/8", Ø3"	•	PABK.D122	13.1', 16.4', 19.7', 23.0'	Ø5"	Ø2 3/8", Ø3"
PAFK.D148	19.7', 23.0', 26.2'	Ø6"	Ø2 3/8", Ø3"		PABK.D148	19.7', 23.0', 26.2'	Ø6"	Ø2 3/8", Ø3"
PAFK.D165	19.7', 23.0', 26.2', 29.5'	Ø6 1/2"	Ø3 1/2", Ø3"		PABK.D165	19.7', 23.0', 26.2', 29.5'	Ø6 1/2"	Ø3 1/2", Ø3"
PAFK.D180	26.2', 29.5', 32.8'	Ø7"	Ø3 1/2", Ø3"		PABK.D180	26.2', 29.5', 32.8'	Ø7"	Ø3 1/2", Ø3"
PAFK.D200	32.8', 36.1', 39.4'	Ø7 7/8"	Ø3 1/2", Ø3"		PABK.D200	32.8', 36.1', 39.4'	Ø7 7/8"	Ø3 1/2", Ø3"

#### Round cylindrical aluminum poles with base plate

Product code	Height	Diameter / Dimensions	Spigot / End diameter
PAFC.D114	10', 13.1', 16.4'	Ø4 1/2"	Ø4 1/2"
PAFC.D122	10', 13.1', 16.4', 19.7'	Ø5"	Ø4 51/64"
PAFC.D148	19.7', 23.0', 26.2'	Ø6"	Ø5 7/8"
PAFC.D165	19.7', 23.0', 26.2', 29.5'	Ø6 1/2"	Ø6 1/2"

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Project na	me				Туре	Quant	ity	
Date		Note						
LL2028.861-EN-T1-350-740								

Light distribution	Rated input power	Color temperature	Control	Product colors
<b>[T1]</b> Type I - 111x48°	<b>[350]</b> 18 W	<b>[740]</b> 4000 K CRI 70	[ONOFF] On/Off	[HM1] Black
<b>[P4]</b> Pedestrian crosswalk distribution - 20x78°	<b>[700]</b> 35 W	<b>[827]</b> 2700 K CRI 80	<b>[DALI]</b> DALI	[HM2] Dark gray
<b>[T2]</b> Type II - 133x48°	<b>[500]</b> 25 W	<b>[830]</b> 3000 K CRI 80	<b>[AUTO]</b> AutoDIM	[HM3] Anthracite gray
<b>[T2]</b> Type II - 149x54°		<b>[840]</b> 4000 K CRI 80	<b>[STEP]</b> StepDIM	[HM4] Light gray
<b>[T3]</b> Type III - 143x63°				[HM5] White
<b>[T4]</b> Type IV - 117x64°				[HM6] Bronze
<b>[T5]</b> Type V - 117°				[CC] (Custom color (Please specify RAL code)
Extras				

# External surge protection

**[SP10]** 10 kV

Light output

**[BS]** Backlight Shield

**[CLO]** Constant light output

**[VS]** Visor for RHINO

**Mounting options** 

**[DMBA]** Double side-mount bracket

[SMBA] Side-mount bracket allowing +/-45° rotation

**[TMBA]** Top-mount bracket

Consult the factory

**[UNI]** 120-277V 50/60Hz

Luminaire body options

[DPC] Double powder coating

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