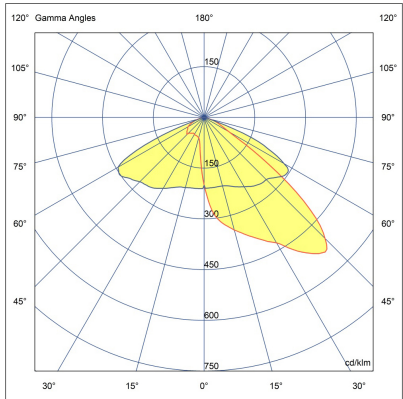
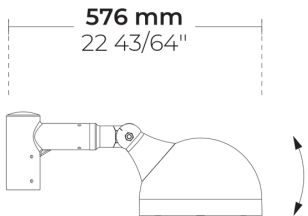


# RHINO AFX 1 Module



LL2028.861-US-T2-350-830



[T2]  
Type II

## Configuration

|                       |               |
|-----------------------|---------------|
| Light distribution    | [T2] 133x48°  |
| Delivered lumens flux | 1975 lm       |
| Rated input power     | 18 W          |
| Color temperature     | 3000 K CRI 80 |
| Luminaire efficacy    | 109 lm/W      |
| Lamp                  | 16 LED        |
| Color Deviation       | 3 SDCM        |
| BUG rating            | B0-U0-G0      |
| Lifetime L90 (hour)   | >102,000      |
| Lifetime L80 (hour)   | >102,000      |

## Options

## Technical information

|                             |                                                                                |
|-----------------------------|--------------------------------------------------------------------------------|
| Mounting                    | Direct pole or side bracket mountable. Tenon:<br>Ø2 1/4" x 4"                  |
| Tilt angle                  | +70°/-30°                                                                      |
| Housing                     | Corrosion resistant, die-cast, marine grade<br>aluminum housing                |
| Finishing                   | Chromate conversion pretreatment followed by<br>electrostatic powder coating   |
| Fasteners                   | Stainless steel (AISI 304 / EN 1.4301 grade)                                   |
| Gasket                      | Liquid silicone                                                                |
| Lens / Reflector            | PMMA lens with high optical efficiency                                         |
| Glass / Diffusor            | Tempered safety glass                                                          |
| Impact protection           | IK08                                                                           |
| Ingress protection          | IP66                                                                           |
| Input voltage               | 120-277V 50/60Hz                                                               |
| Insulation class            | Class I                                                                        |
| Wind catching area<br>(EPA) | 0,08 m <sup>2</sup>                                                            |
| Weight                      | 15.7 lbs                                                                       |
| LED module                  | High power LEDs on metal-core PCB                                              |
| Driver                      | Internal LED driver                                                            |
| Driver surge<br>protection  | 6/6 kV                                                                         |
| Power factor                | > 0.95                                                                         |
| Through wiring              | Single power cord entry                                                        |
| Operating<br>temperature    | -40...50°C                                                                     |
| Power cord                  | 20" of outdoor use rated flexible power cord                                   |
| Notes                       | 3000K CCT or warmer must be selected to be<br>DarkSky International certified. |

Poles (To be ordered separately)

Round tapered aluminum poles with base plate

|  | Product code | Height                     | Diameter / Dimensions | Spigot / End diameter |
|-----------------------------------------------------------------------------------|--------------|----------------------------|-----------------------|-----------------------|
|                                                                                   | PAFK.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"          |
|                                                                                   | PAFK.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"          |
|                                                                                   | PAFK.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"          |

Round tapered aluminum poles (direct burial)

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

|              |  |  |      |  |      |  |          |  |
|--------------|--|--|------|--|------|--|----------|--|
| Project name |  |  |      |  | Type |  | Quantity |  |
| Date         |  |  | Note |  |      |  |          |  |

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| Light distribution                                           | Rated input power    | Color temperature             | Control                  | Product colors                                           |
|--------------------------------------------------------------|----------------------|-------------------------------|--------------------------|----------------------------------------------------------|
| <b>[T2]</b><br>Type II - 133x48°                             | <b>[350]</b><br>18 W | <b>[830]</b><br>3000 K CRI 80 | <b>[ONOFF]</b><br>On/Off | <b>[HM1]</b><br>Black                                    |
| <b>[P4]</b><br>Pedestrian crosswalk<br>distribution - 20x78° | <b>[500]</b><br>25 W | <b>[827]</b><br>2700 K CRI 80 | <b>[0-10V]</b><br>0-10V  | <b>[HM2]</b><br>Dark gray                                |
| <b>[T1]</b><br>Type I - 111x48°                              | <b>[700]</b><br>35 W | <b>[740]</b><br>4000 K CRI 70 |                          | <b>[HM3]</b><br>Anthracite gray                          |
| <b>[T2]</b><br>Type II - 149x54°                             |                      | <b>[840]</b><br>4000 K CRI 80 |                          | <b>[HM4]</b><br>Light gray                               |
| <b>[T3]</b><br>Type III - 143x63°                            |                      |                               |                          | <b>[HM5]</b><br>White                                    |
| <b>[T4]</b><br>Type IV - 117x64°                             |                      |                               |                          | <b>[HM6]</b><br>Bronze                                   |
| <b>[T5]</b><br>Type V - 117°                                 |                      |                               |                          | <b>[CC]</b><br>Custom color (Please<br>specify RAL code) |

|                                                              |
|--------------------------------------------------------------|
| <b>Extras</b>                                                |
| <b>External surge protection</b>                             |
| <b>[SP10]</b><br>10 kV                                       |
| <b>Light output</b>                                          |
| <b>[VS]</b><br>Visor for RHINO                               |
| <b>Mounting options</b>                                      |
| <b>[DMBA]</b><br>Double side-mount bracket                   |
| <b>[SMBA]</b><br>Side-mount bracket allowing +/-45° rotation |
| <b>[TMBA]</b><br>Top-mount bracket                           |
| <b>Luminaire body options</b>                                |
| <b>[DPC]</b><br>Double powder coating                        |