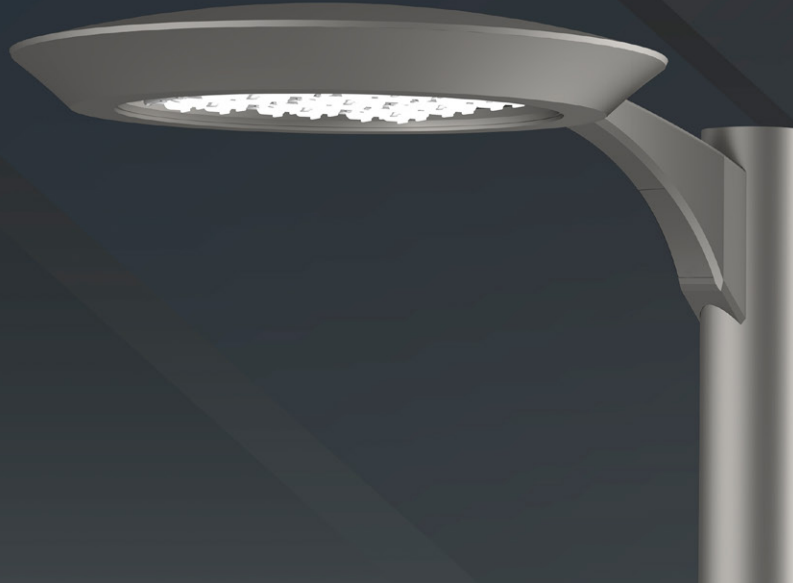




LED WATTAGE CHART

| Drive Current  | 80L                       | 96L                       | 128L                      | 144L                      |
|----------------|---------------------------|---------------------------|---------------------------|---------------------------|
| 350 milliamps  | 88W (7895-9497 Lumens)    | 105W (9474-11397 Lumens)  | 141W (12632-15196 Lumens) | 158W (14211-17095 Lumens) |
| 530 milliamps  | 133W (11955-14382 Lumens) | 160W (14346-17258 Lumens) | 213W (19128-23011 Lumens) | 240W (21519-25887 Lumens) |
| 700 milliamps  | 176W (15790-18995 Lumens) | 211W (18947-22794 Lumens) | 281W (25263-30392 Lumens) | 316W (28421-34191 Lumens) |
| 1000 milliamps | –                         | –                         | –                         | 452W (40602-48844 Lumens) |
| 1050 milliamps | 251W (22556-27136 Lumens) | 301W (27068-32563 Lumens) | 402W (36090-43417 Lumens) | –                         |

#### FORM

- Elegant Die-Cast Aluminum Housing
- Corrosion Resistant Stainless Steel External Hardware
- Sleek, Low Profile Housing
- Spec Grade Performance
- Engineered For Optimum Thermal Management
- 9 Architectural Finishes Standard, RAL Colors Available

#### FUNCTION

- Micro Optics IES Distributions T2, T3, T4, T5
- 0-10V Dimming Drivers THD @ Max Load < 15% Power factor @ Max Load < 0.95
- Amber, 2700K, 3000K, 3500K, 4000K, or 5000K
- 80L to 144L LED Configuration
- CRI 70, 80, or 90
- 5 Mils Powder Coat
- Up to 48,844 Lumens

#### RELIABILITY

- Silicone Micro Optics
- 5 Year Standard Warranty
- IP67 Optics
- IP66 Fixture

#### BUY AMERICAN

To ensure the latest BAA/TAA/BABA Standards are being met, please select BAA, TAA, or BABA in the options section. Please contact the factory before placing an order for any NLS products requesting BAA (Buy American Act), TAA (Trade Agreement Act), or BABA (Build America, Buy America).



Project Name:

Type:

# ORGANIX - 3 ORDERING GUIDE

| Cat#                                | Light Dist.                          | # of LEDs                                                                      | Drive Current                              | Color Temp. / CRI                                                 | Voltage          |
|-------------------------------------|--------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------|------------------|
| Organix - 3<br>(ORX-3)              | Type 2<br>(T2)                       | 80<br>(80L)                                                                    | 350<br>(35)                                | Amber 585-600nM<br>(AMBER) 5, 11, 12, 13                          | 120-277<br>(UNV) |
|                                     | Type 3<br>(T3)                       | 96<br>(96L)                                                                    | 530<br>(53)                                | 2700K, 70 CRI<br>(27K7) 13                                        | 347-480<br>(HV)  |
|                                     | Type 4<br>(T4)                       | 128<br>(128L)                                                                  | 700<br>(7)                                 | 2700K, 80 CRI<br>(27K8) 1, 13                                     |                  |
|                                     | Type 5<br>(T5)                       | 144<br>(144L)                                                                  | 1000<br>(1A)                               | 3000K, 70 CRI<br>(30K7) 13                                        |                  |
|                                     | Type 4 Forward Throw Wide<br>(T4FTW) |                                                                                | 1050<br>(1) 8                              | 3000K, 80 CRI<br>(30K8) 1, 13                                     |                  |
|                                     | Type 5 Wide<br>(T5W)                 |                                                                                |                                            | 3500K, 80 CRI<br>(35K8)                                           |                  |
|                                     |                                      |                                                                                |                                            | 4000K, 70 CRI<br>(40K7)                                           |                  |
|                                     |                                      |                                                                                |                                            | 4000K, 80 CRI<br>(40K8) 1                                         |                  |
|                                     |                                      |                                                                                |                                            | 5000K, 70 CRI<br>(50K7)                                           |                  |
|                                     |                                      |                                                                                |                                            | 5000K, 80 CRI<br>(50K8) 1                                         |                  |
| Mounting                            | Color                                | Controls Options                                                               | Options                                    | Lens Options                                                      |                  |
| Architectural<br>Arm Mount<br>(ASA) | Bronze Textured<br>(BRZ)             | Nema 7-Pin Receptacle<br>(PE7)                                                 | Marine Grade Finish<br>(MGF)               | Diffused Polycarbonate<br>Visual Comfort Lens<br>(DPCL) 7, 17, 18 |                  |
| Direct Pole 11" Arm<br>(DPS11)      | White Textured<br>(WHT)              | Nema 7-Pin Receptacle<br>+Shorting Cap<br>(PER)                                | House Side Shield<br>(HSS) 9               | Clear Tempered Glass Lens<br>(CTG) 7, 17, 18                      |                  |
| Knuckle Mount<br>(KM)               | Smooth White Gloss<br>(SWT)          | Photocell+Receptacle<br>(PCR)                                                  | Automotive House Side<br>Shield<br>(AHS) 9 | HAL Lens<br>(HAL) 3, 16, 17, 18                                   |                  |
|                                     | Silver Metallic<br>(SVR)             | FSP-211 with Motion<br>Sensor/Photocell<br>9'-20' Heights<br>(FSP211-20) 2, 14 | Rotated Optic Left<br>(ROL)                |                                                                   |                  |
|                                     | Black Textured<br>(BLK)              | 21'-40' Heights<br>(FSP211-40) 2, 14                                           | Rotated Optic Right<br>(ROR)               |                                                                   |                  |
|                                     | Smooth Black Gloss<br>(SBK)          | FSP-221 with Motion<br>Sensor/Photocell<br>9'-20' Heights<br>(FSP221-20) 15    | Tamper Proof Hardware<br>(TPH)             |                                                                   |                  |
|                                     | Graphite Textured<br>(GPH)           | 21'-40' Heights<br>(FSP221-40) 15                                              | Buy American Act<br>(BAA) 6                |                                                                   |                  |
|                                     | Grey Textured<br>(GRY)               | Custom Controls Integration<br>(CCI) 4                                         | Trade Agreement Act<br>(TAA) 6             |                                                                   |                  |
|                                     | Green Textured<br>(GRN)              | FSP Remote<br>(FSIR) 10                                                        | Build America Buy American<br>(BABA) 6     |                                                                   |                  |
|                                     | Hunter Green Textured<br>(HGN)       |                                                                                |                                            |                                                                   |                  |
|                                     | Custom<br>(CS)                       |                                                                                |                                            |                                                                   |                  |

NOTES:

1. Consult Factory For Lead Time. Consult Factory For 90 CRI Requests

2. Universal Voltage 120-277

3. Consult Factory

4. Please contact Factory for Custom Control Integration requests (nLight, NX, WaveLinx, Crestron, DMX/RDM, Synapse, Casambi, Dali II, Avi-On, or other control systems)

5. Turtle Safe

6. Consult factory for all BAA/TAA/BABA requests

7. 700mA Max For Lens Options

8. Not Available in 144L

9. Not Available With Lens Options (DPCL, CTG, HAL)

10. Projects with sensors require Qty. 1 FSIR per project

11. Not Available above 700mA

12. Consult Factory for Lead Time

13. 3000K or lower, with fixed mounting options only, must be selected to meet International Dark-Sky Association certification.

14. FSP-211, 120V/277V, 230-240VAC (single phase), 50/60Hz

15. FSP-221, 100-347VAC (single phase) or 208/230/480VAC (phase-to-phase)

16. HAL Lens: Yellow Polycarbonate Lens - less than 2% Blue Light Content

17. Not available with Motion Sensors

18. 700mA Max For Lens Options



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nlsighting.com

## PRODUCT SPECIFICATIONS

### ELECTRICAL

- 120-277 Volts (UNV) or 347-480 Volts (HV)
- 0-10V dimming driver
- Driver power factor at maximum load is  $\geq .95$ , THD maximum load is 15%
- LED Drivers Ambient Temp. Min is -40°C and Ambient Temp. Max ranges from 50°C to 55°C and, in some cases, even higher. Consult the factory for revalidation by providing the fixture catalog string before quoting and specifying it.
- All drivers, controls, and sensors housed in enclosed IP65 compartment
- CRI 70, 80 or 90
- Color temperatures: Amber, 2700K, 3000K, 3500K, 4000K, 5000K
- Surge Protection: 20KVA supplied as standard.

### CONSTRUCTION

- Die Cast Aluminum
- Internal cooling fins
- Corrosion resistant external hardware
- One-piece silicone gasket ensures IP66 seal for electronics compartment

### OPTICS

Silicone optics high thermal stability and light output provide higher powered LEDs with minimized lumen depreciation. UV stability with scratch resistance increases exterior application durability. Silicone optics do not yellow, crack or brittle over time.

### CONTROL OPTIONS

- **FSP-211 w/Motion Sensor/Photocell (120/277VAC, 230-240VAC)**  
(FSP-X) - Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
- **FSP-221 w/Motion Sensor/Photocell (100-347VAC, 208/230/480VAC)**  
(FSP-HV-X) - Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
  - All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
  - Party Setting Available (10% output) Consult Factory
  - FSP-8 mounting heights 8 feet and below
  - FSP-20 mounting heights 9-20 feet.
  - FSP-40 mounting heights 21-40 feet.
  - Includes 5 dimming event cycles, 0-10V dimming with motion sensing, re-programmable in the field. Programmable remote must be purchased separately.
  - FSIR-100 commissioning remote is required to change sensor settings. Please contact factory for ordering.
- NEMA 7-PIN RECEPTACLE (PE7) - An ANSI C136.41-2013 receptacle provides electrical and mechanical interconnection between photo control cell and luminaire. Dimming receptacle available two or four dimming contacts supports 0-10 VDC dimming methods or Digital Addressable Lighting Interface (DALI), providing reliable power interconnect.
- RECEPTACLE + SHORTING CAP (PER) - 7-Pin Receptacle and Shorting Cap.
- PHOTOCCELL + RECEPTACLE (PCR) - 7-Pin Receptacle and Photocell.
- Controls Agnostic: Please contact factory for your preferred controls option. (nLight, NX, WaveLinX, Crestron, DMX/RDM, Synapse, Casambi, DALI II, Avi-On, or other control systems)

### OPTIONS

- BIRD SPIKES (BS) - Offer an effective and humane deterrent for larger bird species and provide a cost-effective long-term solution to nuisance bird infestations and to protect your property.
- MARINE GRADE FINISH (MGF) - A multi-step process creating a protective finishing coat against harsh environments. Chemically washed in a 5-stage cleaning system. Pre-baked, Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer. Oven Baked. Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.
- House Side Shield (HSS) is designed for full property line cutoff.
- Automotive House Side Shield (AHS)
- Tamper Proof Hardware (TPH)

### FINISH

- 3-5 mils electrostatic powder coat.
- NLS Lighting standard high-quality finishes prevent corrosion, and protects against extreme environmental conditions.

### WARRANTY

- Five-year limited warranty for drivers and LEDs.
- Consult Factory for 7 or 10 year warranty.

### LISTINGS

- UL Listed in compliance with UL 1598, the Standard for Safety of Luminaires, including the applicable wet location requirements
- Compliant with UL 8750 LED driver design and test safety standards
- CSA C22.2 No. 250.0
- IP66 Rated Fixture
- IP67 Rated Optics
- IK10 Rated
- Dark Sky Certified, 3000K or lower, with fixed mounting options only, must be selected to meet International Dark-Sky Association certification.

### BUY AMERICAN OPTION

While all of the NLS Lighting products listed in this document qualify for the Buy America(n) Act of 1933, we reserve the right to change our listings without notice.

The information provided above is for general informational purposes only. We encourage you to consult legal professionals for advice particular to your projects concerning BAA, TAA, BABA or Buy America.

Additional NLS Products that meet BAA, TAA standards can be found at the following link:

<https://nslighting.com/buy-american/>



3000K or lower, with fixed mounting options only, must be selected to meet International Dark-Sky Association certification.

The information and specifications on this document are subject to change without any notification. All values are design, nominal, typical or prorated values when measured under internal and external laboratory conditions.



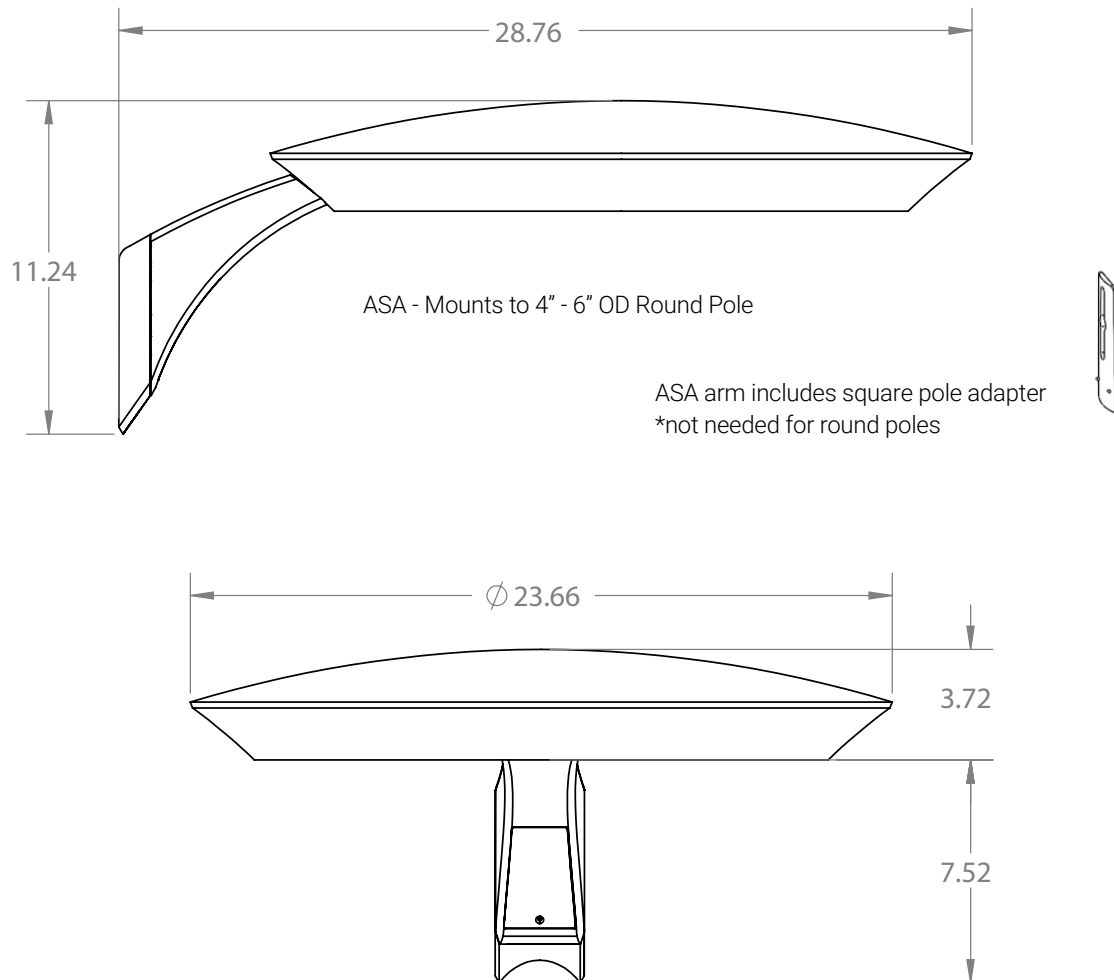
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## PRODUCT SPECIFICATIONS

### ORX-3-AM

| MODEL     | WIDTH | HEIGHT | LENGTH |
|-----------|-------|--------|--------|
| ORX-3-ASA | 23.6" | 3.7"   | 28.76" |
| ORX-3-KM  | 23.6" | 3.7"   | 32.62" |

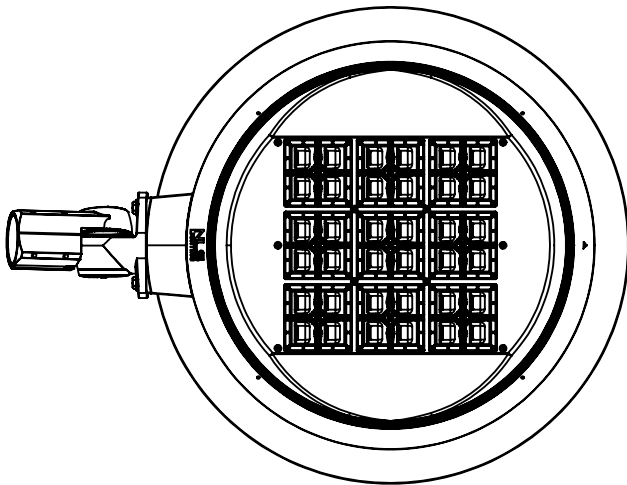
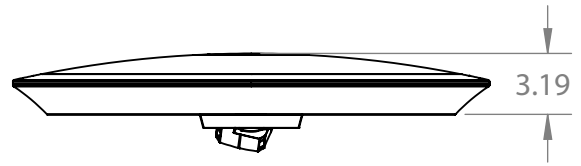
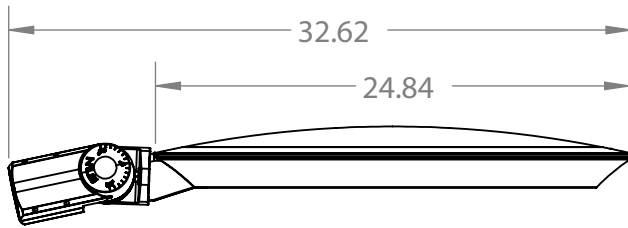


### SCAN FOR INSTALLATION INSTRUCTIONS



## PRODUCT SPECIFICATIONS

### ORX-3-KM



KM Mounts to 2-3/8" tenon

# PRODUCT SPECIFICATIONS

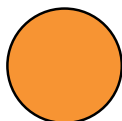
## EPA

| EPA       | FRONT | SIDE | TOP  | 120° | WEIGHT |
|-----------|-------|------|------|------|--------|
| ORX-3-KM  | 0.21  | 0.35 | 3.84 | 0.90 | 32.48  |
| ORX-3-ASA | 0.21  | 0.48 | 3.88 | 1.17 | 33.53  |

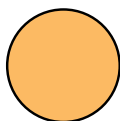
| ORX-3-KM     | SGL   | D90   | D180  | T90   | T120  | QD     |
|--------------|-------|-------|-------|-------|-------|--------|
| EPA (ft²)    | 0.35  | 0.56  | 0.69  | 0.90  | 0.90  | 0.90   |
| WEIGHT (lbs) | 32.48 | 64.96 | 64.96 | 97.44 | 97.44 | 129.92 |

| ORX-3-ASA    | SGL   | D90   | D180  | T90    | T120   | QD     |
|--------------|-------|-------|-------|--------|--------|--------|
| EPA (ft²)    | 0.48  | 0.69  | 0.95  | 1.17   | 1.17   | 1.17   |
| WEIGHT (lbs) | 33.53 | 67.06 | 67.06 | 100.59 | 100.59 | 134.12 |

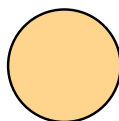
## LED KELVIN RANGE



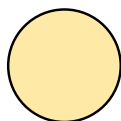
AMBER  
585-600 nm



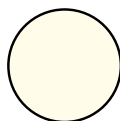
2700K 70 CRI



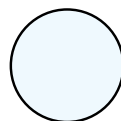
3000K 70 CRI



3500K 80 CRI



4000K 70 CRI



5000K 70 CRI

| Color | Dominant or Peak Wavelength Range (nm) |         |
|-------|----------------------------------------|---------|
|       | Minimum                                | Maximum |
| Amber | 585                                    | 600     |

| Lumen Maintenance Data                   |               |            |             |                                            |               |               |                 |
|------------------------------------------|---------------|------------|-------------|--------------------------------------------|---------------|---------------|-----------------|
| Ambient Temperature                      | Drive Current | L90 Hours* | L70 Hours** | 30,000 Hours*                              | 50,000 Hours* | 60,000 Hours* | 100,000 Hours** |
| 25°C                                     | Up to 700mA   | 58,000     | 173,000     | 95.7%                                      | 91.6%         | 89.6%         | 82.1%           |
|                                          | 1050mA        | 48,000     | 143,000     | 94.3%                                      | 89.5%         | 87.2%         | 78.5%           |
| *Reported extrapolations per IESNA TM-21 |               |            |             | **Projected extrapolations per IESNA TM-21 |               |               |                 |

## PRODUCT SPECIFICATIONS

### LUMEN CHARTS

#### ORX-3-AM-80L

| LUMEN CHART - STANDARD SILICONE MICRO OPTICS                                                                                |       |     |       |     |       |     |       |     |         |
|-----------------------------------------------------------------------------------------------------------------------------|-------|-----|-------|-----|-------|-----|-------|-----|---------|
| PART NUMBER                                                                                                                 | T2    | LPW | T3    | LPW | T4    | LPW | T5    | LPW | WATTAGE |
| ORX-3-AM-80L-35-27K7                                                                                                        | 8057  | 92  | 7942  | 90  | 7895  | 90  | 8130  | 92  | 88      |
| ORX-3-AM-80L-35-27K8                                                                                                        | 7545  | 86  | 7437  | 85  | 7393  | 84  | 7613  | 87  | 88      |
| ORX-3-AM-80L-35-30K7                                                                                                        | 8711  | 99  | 8587  | 98  | 8536  | 97  | 8790  | 100 | 88      |
| ORX-3-AM-80L-35-30K8                                                                                                        | 8090  | 92  | 7975  | 91  | 7927  | 90  | 8163  | 93  | 88      |
| ORX-3-AM-80L-35-35K8                                                                                                        | 8090  | 92  | 7975  | 91  | 7927  | 90  | 8163  | 93  | 88      |
| ORX-3-AM-80L-35-40K7                                                                                                        | 9412  | 107 | 9278  | 105 | 9223  | 105 | 9497  | 108 | 88      |
| ORX-3-AM-80L-35-40K8                                                                                                        | 8712  | 99  | 8588  | 98  | 8537  | 97  | 8791  | 100 | 88      |
| ORX-3-AM-80L-35-50K7                                                                                                        | 9412  | 107 | 9278  | 105 | 9223  | 105 | 9497  | 108 | 88      |
| ORX-3-AM-80L-35-50K8                                                                                                        | 8712  | 99  | 8588  | 98  | 8537  | 97  | 8791  | 100 | 88      |
| ORX-3-AM-80L-53-27K7                                                                                                        | 12200 | 92  | 12026 | 90  | 11955 | 90  | 12311 | 93  | 133     |
| ORX-3-AM-80L-53-27K8                                                                                                        | 11425 | 86  | 11262 | 85  | 11195 | 84  | 11529 | 87  | 133     |
| ORX-3-AM-80L-53-30K7                                                                                                        | 13190 | 99  | 13002 | 98  | 12926 | 97  | 13310 | 100 | 133     |
| ORX-3-AM-80L-53-30K8                                                                                                        | 12249 | 92  | 12075 | 91  | 12004 | 90  | 12361 | 93  | 133     |
| ORX-3-AM-80L-53-35K8                                                                                                        | 12249 | 92  | 12075 | 91  | 12004 | 90  | 12361 | 93  | 133     |
| ORX-3-AM-80L-53-40K7                                                                                                        | 14252 | 107 | 14049 | 106 | 13966 | 105 | 14382 | 108 | 133     |
| ORX-3-AM-80L-53-40K8                                                                                                        | 13192 | 99  | 13004 | 98  | 12927 | 97  | 13312 | 100 | 133     |
| ORX-3-AM-80L-53-50K7                                                                                                        | 14252 | 107 | 14049 | 106 | 13966 | 105 | 14382 | 108 | 133     |
| ORX-3-AM-80L-53-50K8                                                                                                        | 13192 | 99  | 13004 | 98  | 12927 | 97  | 13312 | 100 | 133     |
| ORX-3-AM-80L-7-27K7                                                                                                         | 16113 | 92  | 15883 | 90  | 15790 | 90  | 16260 | 92  | 176     |
| ORX-3-AM-80L-7-27K8                                                                                                         | 15089 | 86  | 14874 | 85  | 14787 | 84  | 15227 | 87  | 176     |
| ORX-3-AM-80L-7-30K7                                                                                                         | 17421 | 99  | 17173 | 98  | 17072 | 97  | 17580 | 100 | 176     |
| ORX-3-AM-80L-7-30K8                                                                                                         | 16179 | 92  | 15948 | 91  | 15854 | 90  | 16326 | 93  | 176     |
| ORX-3-AM-80L-7-35K8                                                                                                         | 16179 | 92  | 15948 | 91  | 15854 | 90  | 16326 | 93  | 176     |
| ORX-3-AM-80L-7-40K7                                                                                                         | 18824 | 107 | 18555 | 105 | 18446 | 105 | 18995 | 108 | 176     |
| ORX-3-AM-80L-7-40K8                                                                                                         | 17424 | 99  | 17175 | 98  | 17074 | 97  | 17582 | 100 | 176     |
| ORX-3-AM-80L-7-50K7                                                                                                         | 18824 | 107 | 18555 | 105 | 18446 | 105 | 18995 | 108 | 176     |
| ORX-3-AM-80L-7-50K8                                                                                                         | 17424 | 99  | 17175 | 98  | 17074 | 97  | 17582 | 100 | 176     |
| ORX-3-AM-80L-1-27K7                                                                                                         | 23019 | 92  | 22691 | 90  | 22556 | 90  | 23228 | 93  | 251     |
| ORX-3-AM-80L-1-27K8                                                                                                         | 21556 | 86  | 21249 | 85  | 21123 | 84  | 21752 | 87  | 251     |
| ORX-3-AM-80L-1-30K7                                                                                                         | 24888 | 99  | 24533 | 98  | 24388 | 97  | 25114 | 100 | 251     |
| ORX-3-AM-80L-1-30K8                                                                                                         | 23113 | 92  | 22783 | 91  | 22649 | 90  | 23323 | 93  | 251     |
| ORX-3-AM-80L-1-35K8                                                                                                         | 23113 | 92  | 22783 | 91  | 22649 | 90  | 23323 | 93  | 251     |
| ORX-3-AM-80L-1-40K7                                                                                                         | 26891 | 107 | 26508 | 106 | 26351 | 105 | 27136 | 108 | 251     |
| ORX-3-AM-80L-1-40K8                                                                                                         | 24891 | 99  | 24536 | 98  | 24391 | 97  | 25118 | 100 | 251     |
| ORX-3-AM-80L-1-50K7                                                                                                         | 26891 | 107 | 26508 | 106 | 26351 | 105 | 27136 | 108 | 251     |
| ORX-3-AM-80L-1-50K8                                                                                                         | 24891 | 99  | 24536 | 98  | 24391 | 97  | 25118 | 100 | 251     |
| 3000K or lower, with fixed mounting options only, must be selected to meet International Dark Sky Association Certification |       |     |       |     |       |     |       |     |         |

# PRODUCT SPECIFICATIONS

## ORX-3-AM-80L

LUMEN CHART - PERFORMANCE SILICONE MICRO OPTICS

| PART NUMBER          | T4FTW | LPW | T4FTW CTG | LPW | T4FTW DPCL | LPW | T5W   | LPW | T5W CTG | LPW | T5W DPCL | LPW | WATTAGE |
|----------------------|-------|-----|-----------|-----|------------|-----|-------|-----|---------|-----|----------|-----|---------|
| ORX-3-AM-80L-35-27K7 | 9095  | 107 | 7731      | 91  | NA         | NA  | 9895  | 116 | 8411    | 99  | NA       | NA  | 85      |
| ORX-3-AM-80L-35-27K8 | 8517  | 100 | 7240      | 85  | NA         | NA  | 9266  | 109 | 7876    | 93  | NA       | NA  | 85      |
| ORX-3-AM-80L-35-30K7 | 9833  | 116 | 8358      | 98  | NA         | NA  | 10699 | 126 | 9094    | 107 | NA       | NA  | 85      |
| ORX-3-AM-80L-35-30K8 | 9132  | 107 | 7762      | 91  | NA         | NA  | 9936  | 117 | 8445    | 99  | NA       | NA  | 85      |
| ORX-3-AM-80L-35-35K8 | 9132  | 107 | 7762      | 91  | NA         | NA  | 9936  | 117 | 8445    | 99  | NA       | NA  | 85      |
| ORX-3-AM-80L-35-40K7 | 10625 | 125 | 9031      | 106 | NA         | NA  | 11560 | 136 | 9826    | 116 | NA       | NA  | 85      |
| ORX-3-AM-80L-35-40K8 | 9835  | 116 | 8359      | 98  | NA         | NA  | 10700 | 126 | 9095    | 107 | NA       | NA  | 85      |
| ORX-3-AM-80L-35-50K7 | 10625 | 125 | 9031      | 106 | NA         | NA  | 11560 | 136 | 9826    | 116 | NA       | NA  | 85      |
| ORX-3-AM-80L-35-50K8 | 9835  | 116 | 8359      | 98  | NA         | NA  | 10700 | 126 | 9095    | 107 | NA       | NA  | 85      |
| ORX-3-AM-80L-53-27K7 | 13242 | 102 | 11256     | 87  | NA         | NA  | 15357 | 118 | 13053   | 100 | NA       | NA  | 130     |
| ORX-3-AM-80L-53-27K8 | 12400 | 95  | 10541     | 81  | NA         | NA  | 14381 | 111 | 12223   | 94  | NA       | NA  | 130     |
| ORX-3-AM-80L-53-30K7 | 14317 | 110 | 12170     | 94  | NA         | NA  | 16603 | 128 | 14113   | 109 | NA       | NA  | 130     |
| ORX-3-AM-80L-53-30K8 | 13296 | 102 | 11302     | 87  | NA         | NA  | 15419 | 119 | 13106   | 101 | NA       | NA  | 130     |
| ORX-3-AM-80L-53-35K8 | 13296 | 102 | 11302     | 87  | NA         | NA  | 15419 | 119 | 13106   | 101 | NA       | NA  | 130     |
| ORX-3-AM-80L-53-40K7 | 15470 | 119 | 13150     | 101 | NA         | NA  | 17940 | 138 | 15249   | 117 | NA       | NA  | 130     |
| ORX-3-AM-80L-53-40K8 | 14319 | 110 | 12172     | 94  | NA         | NA  | 16606 | 128 | 14115   | 109 | NA       | NA  | 130     |
| ORX-3-AM-80L-53-50K7 | 15470 | 119 | 13150     | 101 | NA         | NA  | 17940 | 138 | 15249   | 117 | NA       | NA  | 130     |
| ORX-3-AM-80L-53-50K8 | 14319 | 110 | 12172     | 94  | NA         | NA  | 16606 | 128 | 14115   | 109 | NA       | NA  | 130     |
| ORX-3-AM-80L-7-27K7  | 16444 | 97  | 13977     | 82  | NA         | NA  | 18772 | 110 | 15956   | 94  | NA       | NA  | 170     |
| ORX-3-AM-80L-7-27K8  | 15399 | 91  | 13089     | 77  | NA         | NA  | 17579 | 103 | 14942   | 88  | NA       | NA  | 170     |
| ORX-3-AM-80L-7-30K7  | 17779 | 105 | 15112     | 89  | NA         | NA  | 20296 | 119 | 17252   | 101 | NA       | NA  | 170     |
| ORX-3-AM-80L-7-30K8  | 16511 | 97  | 14034     | 83  | NA         | NA  | 18848 | 111 | 16022   | 94  | NA       | NA  | 170     |
| ORX-3-AM-80L-7-35K8  | 16511 | 97  | 14034     | 83  | NA         | NA  | 18848 | 111 | 16022   | 94  | NA       | NA  | 170     |
| ORX-3-AM-80L-7-40K7  | 19210 | 113 | 16329     | 96  | NA         | NA  | 21930 | 129 | 18641   | 110 | NA       | NA  | 170     |
| ORX-3-AM-80L-7-40K8  | 17781 | 105 | 15114     | 89  | NA         | NA  | 20299 | 119 | 17254   | 101 | NA       | NA  | 170     |
| ORX-3-AM-80L-7-50K7  | 19210 | 113 | 16329     | 96  | NA         | NA  | 21930 | 129 | 18641   | 110 | NA       | NA  | 170     |
| ORX-3-AM-80L-7-50K8  | 17781 | 105 | 15114     | 89  | NA         | NA  | 20299 | 119 | 17254   | 101 | NA       | NA  | 170     |
| ORX-3-AM-80L-1-27K7  | 24095 | 95  | NA        | NA  | NA         | NA  | 25610 | 101 | NA      | NA  | NA       | NA  | 254     |
| ORX-3-AM-80L-1-27K8  | 22564 | 89  | NA        | NA  | NA         | NA  | 23982 | 94  | NA      | NA  | NA       | NA  | 254     |
| ORX-3-AM-80L-1-30K7  | 26051 | 103 | NA        | NA  | NA         | NA  | 27689 | 109 | NA      | NA  | NA       | NA  | 254     |
| ORX-3-AM-80L-1-30K8  | 24193 | 95  | NA        | NA  | NA         | NA  | 25714 | 101 | NA      | NA  | NA       | NA  | 254     |
| ORX-3-AM-80L-1-35K8  | 24193 | 95  | NA        | NA  | NA         | NA  | 25714 | 101 | NA      | NA  | NA       | NA  | 254     |
| ORX-3-AM-80L-1-40K7  | 28148 | 111 | NA        | NA  | NA         | NA  | 29918 | 118 | NA      | NA  | NA       | NA  | 254     |
| ORX-3-AM-80L-1-40K8  | 26054 | 103 | NA        | NA  | NA         | NA  | 27693 | 109 | NA      | NA  | NA       | NA  | 254     |
| ORX-3-AM-80L-1-50K7  | 28148 | 111 | NA        | NA  | NA         | NA  | 29918 | 118 | NA      | NA  | NA       | NA  | 254     |
| ORX-3-AM-80L-1-50K8  | 26054 | 103 | NA        | NA  | NA         | NA  | 27693 | 109 | NA      | NA  | NA       | NA  | 254     |

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# PRODUCT SPECIFICATIONS

## ORX-3-AM-96L

| LUMEN CHART - STANDARD SILICONE MICRO OPTICS |       |     |       |     |       |     |       |     |         |
|----------------------------------------------|-------|-----|-------|-----|-------|-----|-------|-----|---------|
| PART NUMBER                                  | T2    | LPW | T3    | LPW | T4    | LPW | T5    | LPW | WATTAGE |
| ORX-3-AM-96L-35-27K7                         | 9668  | 92  | 9530  | 91  | 9474  | 90  | 9756  | 93  | 105     |
| ORX-3-AM-96L-35-27K8                         | 9054  | 86  | 8924  | 85  | 8872  | 84  | 9136  | 87  | 105     |
| ORX-3-AM-96L-35-30K7                         | 10453 | 100 | 10304 | 98  | 10243 | 98  | 10548 | 100 | 105     |
| ORX-3-AM-96L-35-30K8                         | 9707  | 92  | 9569  | 91  | 9512  | 91  | 9796  | 93  | 105     |
| ORX-3-AM-96L-35-35K8                         | 9707  | 92  | 9569  | 91  | 9512  | 91  | 9796  | 93  | 105     |
| ORX-3-AM-96L-35-40K7                         | 11294 | 108 | 11133 | 106 | 11067 | 105 | 11397 | 109 | 105     |
| ORX-3-AM-96L-35-40K8                         | 10454 | 100 | 10305 | 98  | 10244 | 98  | 10549 | 100 | 105     |
| ORX-3-AM-96L-35-50K7                         | 11294 | 108 | 11133 | 106 | 11067 | 105 | 11397 | 109 | 105     |
| ORX-3-AM-96L-35-50K8                         | 10454 | 100 | 10305 | 98  | 10244 | 98  | 10549 | 100 | 105     |
| ORX-3-AM-96L-53-27K7                         | 14640 | 92  | 14431 | 90  | 14346 | 90  | 14773 | 92  | 160     |
| ORX-3-AM-96L-53-27K8                         | 13710 | 86  | 13514 | 84  | 13434 | 84  | 13834 | 86  | 160     |
| ORX-3-AM-96L-53-30K7                         | 15829 | 99  | 15603 | 98  | 15511 | 97  | 15972 | 100 | 160     |
| ORX-3-AM-96L-53-30K8                         | 14700 | 92  | 14490 | 91  | 14405 | 90  | 14833 | 93  | 160     |
| ORX-3-AM-96L-53-35K8                         | 14700 | 92  | 14490 | 91  | 14405 | 90  | 14833 | 93  | 160     |
| ORX-3-AM-96L-53-40K7                         | 17103 | 107 | 16859 | 105 | 16759 | 105 | 17258 | 108 | 160     |
| ORX-3-AM-96L-53-40K8                         | 15831 | 99  | 15605 | 98  | 15512 | 97  | 15974 | 100 | 160     |
| ORX-3-AM-96L-53-50K7                         | 17103 | 107 | 16859 | 105 | 16759 | 105 | 17258 | 108 | 160     |
| ORX-3-AM-96L-53-50K8                         | 15831 | 99  | 15605 | 98  | 15512 | 97  | 15974 | 100 | 160     |
| ORX-3-AM-96L-7-27K7                          | 19336 | 92  | 19060 | 90  | 18947 | 90  | 19511 | 92  | 211     |
| ORX-3-AM-96L-7-27K8                          | 18107 | 86  | 17849 | 85  | 17743 | 84  | 18271 | 87  | 211     |
| ORX-3-AM-96L-7-30K7                          | 20906 | 99  | 20608 | 98  | 20486 | 97  | 21096 | 100 | 211     |
| ORX-3-AM-96L-7-30K8                          | 19415 | 92  | 19138 | 91  | 19025 | 90  | 19591 | 93  | 211     |
| ORX-3-AM-96L-7-35K8                          | 19415 | 92  | 19138 | 91  | 19025 | 90  | 19591 | 93  | 211     |
| ORX-3-AM-96L-7-40K7                          | 22589 | 107 | 22267 | 106 | 22135 | 105 | 22794 | 108 | 211     |
| ORX-3-AM-96L-7-40K8                          | 20909 | 99  | 20611 | 98  | 20489 | 97  | 21098 | 100 | 211     |
| ORX-3-AM-96L-7-50K7                          | 22589 | 107 | 22267 | 106 | 22135 | 105 | 22794 | 108 | 211     |
| ORX-3-AM-96L-7-50K8                          | 20909 | 99  | 20611 | 98  | 20489 | 97  | 21098 | 100 | 211     |
| ORX-3-AM-96L-1-27K7                          | 27622 | 92  | 27229 | 90  | 27068 | 90  | 27874 | 93  | 301     |
| ORX-3-AM-96L-1-27K8                          | 25867 | 86  | 25499 | 85  | 25348 | 84  | 26103 | 87  | 301     |
| ORX-3-AM-96L-1-30K7                          | 29865 | 99  | 29440 | 98  | 29266 | 97  | 30137 | 100 | 301     |
| ORX-3-AM-96L-1-30K8                          | 27735 | 92  | 27340 | 91  | 27179 | 90  | 27988 | 93  | 301     |
| ORX-3-AM-96L-1-35K8                          | 27735 | 92  | 27340 | 91  | 27179 | 90  | 27988 | 93  | 301     |
| ORX-3-AM-96L-1-40K7                          | 32269 | 107 | 31809 | 106 | 31621 | 105 | 32563 | 108 | 301     |
| ORX-3-AM-96L-1-40K8                          | 29869 | 99  | 29443 | 98  | 29269 | 97  | 30141 | 100 | 301     |
| ORX-3-AM-96L-1-50K7                          | 32269 | 107 | 31809 | 106 | 31621 | 105 | 32563 | 108 | 301     |
| ORX-3-AM-96L-1-50K8                          | 29869 | 99  | 29443 | 98  | 29269 | 97  | 30141 | 100 | 301     |

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# PRODUCT SPECIFICATIONS

## ORX-3-AM-96L

LUMEN CHART - PERFORMANCE SILICONE MICRO OPTICS

| PART NUMBER          | T4FTW | LPW | T4FTW CTG | LPW | T4FTW DPCL | LPW | T5W   | LPW | T5W CTG | LPW | T5W DPCL | LPW | WATTAGE |
|----------------------|-------|-----|-----------|-----|------------|-----|-------|-----|---------|-----|----------|-----|---------|
| ORX-3-AM-96L-35-27K7 | 10700 | 107 | 9095      | 91  | NA         | NA  | 11385 | 114 | 9677    | 97  | NA       | NA  | 100     |
| ORX-3-AM-96L-35-27K8 | 10020 | 100 | 8517      | 85  | NA         | NA  | 10661 | 107 | 9062    | 91  | NA       | NA  | 100     |
| ORX-3-AM-96L-35-30K7 | 11569 | 116 | 9833      | 98  | NA         | NA  | 12309 | 123 | 10463   | 105 | NA       | NA  | 100     |
| ORX-3-AM-96L-35-30K8 | 10744 | 107 | 9132      | 91  | NA         | NA  | 11431 | 114 | 9717    | 97  | NA       | NA  | 100     |
| ORX-3-AM-96L-35-35K8 | 10744 | 107 | 9132      | 91  | NA         | NA  | 11431 | 114 | 9717    | 97  | NA       | NA  | 100     |
| ORX-3-AM-96L-35-40K7 | 12500 | 125 | 10625     | 106 | NA         | NA  | 13300 | 133 | 11305   | 113 | NA       | NA  | 100     |
| ORX-3-AM-96L-35-40K8 | 11570 | 116 | 9835      | 98  | NA         | NA  | 12311 | 123 | 10464   | 105 | NA       | NA  | 100     |
| ORX-3-AM-96L-35-50K7 | 12500 | 125 | 10625     | 106 | NA         | NA  | 13300 | 133 | 11305   | 113 | NA       | NA  | 100     |
| ORX-3-AM-96L-35-50K8 | 11570 | 116 | 9835      | 98  | NA         | NA  | 12311 | 123 | 10464   | 105 | NA       | NA  | 100     |
| ORX-3-AM-96L-53-27K7 | 15076 | 102 | 12814     | 87  | NA         | NA  | 17103 | 116 | 14537   | 98  | NA       | NA  | 148     |
| ORX-3-AM-96L-53-27K8 | 14118 | 95  | 12000     | 81  | NA         | NA  | 16016 | 108 | 13613   | 92  | NA       | NA  | 148     |
| ORX-3-AM-96L-53-30K7 | 16300 | 110 | 13855     | 94  | NA         | NA  | 18491 | 125 | 15718   | 106 | NA       | NA  | 148     |
| ORX-3-AM-96L-53-30K8 | 15137 | 102 | 12867     | 87  | NA         | NA  | 17172 | 116 | 14597   | 99  | NA       | NA  | 148     |
| ORX-3-AM-96L-53-35K8 | 15137 | 102 | 12867     | 87  | NA         | NA  | 17172 | 116 | 14597   | 99  | NA       | NA  | 148     |
| ORX-3-AM-96L-53-40K7 | 17612 | 119 | 14970     | 101 | NA         | NA  | 19980 | 135 | 16983   | 115 | NA       | NA  | 148     |
| ORX-3-AM-96L-53-40K8 | 16302 | 110 | 13856     | 94  | NA         | NA  | 18494 | 125 | 15720   | 106 | NA       | NA  | 148     |
| ORX-3-AM-96L-53-50K7 | 17612 | 119 | 14970     | 101 | NA         | NA  | 19980 | 135 | 16983   | 115 | NA       | NA  | 148     |
| ORX-3-AM-96L-53-50K8 | 16302 | 110 | 13856     | 94  | NA         | NA  | 18494 | 125 | 15720   | 106 | NA       | NA  | 148     |
| ORX-3-AM-96L-7-27K7  | 18862 | 97  | 16033     | 82  | NA         | NA  | 21199 | 109 | 18019   | 92  | NA       | NA  | 195     |
| ORX-3-AM-96L-7-27K8  | 17663 | 91  | 15014     | 77  | NA         | NA  | 19852 | 102 | 16874   | 87  | NA       | NA  | 195     |
| ORX-3-AM-96L-7-30K7  | 20393 | 105 | 17334     | 89  | NA         | NA  | 22920 | 118 | 19482   | 100 | NA       | NA  | 195     |
| ORX-3-AM-96L-7-30K8  | 18939 | 97  | 16098     | 83  | NA         | NA  | 21285 | 109 | 18093   | 93  | NA       | NA  | 195     |
| ORX-3-AM-96L-7-35K8  | 18939 | 97  | 16098     | 83  | NA         | NA  | 21285 | 109 | 18093   | 93  | NA       | NA  | 195     |
| ORX-3-AM-96L-7-40K7  | 22035 | 113 | 18730     | 96  | NA         | NA  | 24765 | 127 | 21050   | 108 | NA       | NA  | 195     |
| ORX-3-AM-96L-7-40K8  | 20396 | 105 | 17337     | 89  | NA         | NA  | 22923 | 118 | 19484   | 100 | NA       | NA  | 195     |
| ORX-3-AM-96L-7-50K7  | 22035 | 113 | 18730     | 96  | NA         | NA  | 24765 | 127 | 21050   | 108 | NA       | NA  | 195     |
| ORX-3-AM-96L-7-50K8  | 20396 | 105 | 17337     | 89  | NA         | NA  | 22923 | 118 | 19484   | 100 | NA       | NA  | 195     |
| ORX-3-AM-96L-1-27K7  | 27537 | 95  | NA        | NA  | NA         | NA  | 28918 | 100 | NA      | NA  | NA       | NA  | 290     |
| ORX-3-AM-96L-1-27K8  | 25787 | 89  | NA        | NA  | NA         | NA  | 27080 | 93  | NA      | NA  | NA       | NA  | 290     |
| ORX-3-AM-96L-1-30K7  | 29772 | 103 | NA        | NA  | NA         | NA  | 31266 | 108 | NA      | NA  | NA       | NA  | 290     |
| ORX-3-AM-96L-1-30K8  | 27649 | 95  | NA        | NA  | NA         | NA  | 29036 | 100 | NA      | NA  | NA       | NA  | 290     |
| ORX-3-AM-96L-1-35K8  | 27649 | 95  | NA        | NA  | NA         | NA  | 29036 | 100 | NA      | NA  | NA       | NA  | 290     |
| ORX-3-AM-96L-1-40K7  | 32169 | 111 | NA        | NA  | NA         | NA  | 33783 | 116 | NA      | NA  | NA       | NA  | 290     |
| ORX-3-AM-96L-1-40K8  | 29776 | 103 | NA        | NA  | NA         | NA  | 31270 | 108 | NA      | NA  | NA       | NA  | 290     |
| ORX-3-AM-96L-1-50K7  | 32169 | 111 | NA        | NA  | NA         | NA  | 33783 | 116 | NA      | NA  | NA       | NA  | 290     |
| ORX-3-AM-96L-1-50K8  | 29776 | 103 | NA        | NA  | NA         | NA  | 31270 | 108 | NA      | NA  | NA       | NA  | 290     |

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# PRODUCT SPECIFICATIONS

## ORX-3-AM-128L

| LUMEN CHART - STANDARD SILICONE MICRO OPTICS |       |     |       |     |       |     |       |     |         |
|----------------------------------------------|-------|-----|-------|-----|-------|-----|-------|-----|---------|
| PART NUMBER                                  | T2    | LPW | T3    | LPW | T4    | LPW | T5    | LPW | WATTAGE |
| ORX-3-AM-128L-35-27K7                        | 12890 | 91  | 12707 | 90  | 12632 | 90  | 13008 | 92  | 141     |
| ORX-3-AM-128L-35-27K8                        | 12071 | 86  | 11899 | 84  | 11829 | 84  | 12181 | 86  | 141     |
| ORX-3-AM-128L-35-30K7                        | 13937 | 99  | 13738 | 97  | 13657 | 97  | 14064 | 100 | 141     |
| ORX-3-AM-128L-35-30K8                        | 12943 | 92  | 12758 | 90  | 12683 | 90  | 13061 | 93  | 141     |
| ORX-3-AM-128L-35-35K8                        | 12943 | 92  | 12758 | 90  | 12683 | 90  | 13061 | 93  | 141     |
| ORX-3-AM-128L-35-40K7                        | 15059 | 107 | 14844 | 105 | 14757 | 105 | 15196 | 108 | 141     |
| ORX-3-AM-128L-35-40K8                        | 13939 | 99  | 13740 | 97  | 13659 | 97  | 14066 | 100 | 141     |
| ORX-3-AM-128L-35-50K7                        | 15059 | 107 | 14844 | 105 | 14757 | 105 | 15196 | 108 | 141     |
| ORX-3-AM-128L-35-50K8                        | 13939 | 99  | 13740 | 97  | 13659 | 97  | 14066 | 100 | 141     |
| ORX-3-AM-128L-53-27K7                        | 19520 | 92  | 19242 | 90  | 19128 | 90  | 19697 | 92  | 213     |
| ORX-3-AM-128L-53-27K8                        | 18279 | 86  | 18019 | 85  | 17912 | 84  | 18445 | 87  | 213     |
| ORX-3-AM-128L-53-30K7                        | 21105 | 99  | 20804 | 98  | 20681 | 97  | 21297 | 100 | 213     |
| ORX-3-AM-128L-53-30K8                        | 19600 | 92  | 19320 | 91  | 19206 | 90  | 19778 | 93  | 213     |
| ORX-3-AM-128L-53-35K8                        | 19600 | 92  | 19320 | 91  | 19206 | 90  | 19778 | 93  | 213     |
| ORX-3-AM-128L-53-40K7                        | 22804 | 107 | 22479 | 106 | 22346 | 105 | 23011 | 108 | 213     |
| ORX-3-AM-128L-53-40K8                        | 21108 | 99  | 20807 | 98  | 20684 | 97  | 21299 | 100 | 213     |
| ORX-3-AM-128L-53-50K7                        | 22804 | 107 | 22479 | 106 | 22346 | 105 | 23011 | 108 | 213     |
| ORX-3-AM-128L-53-50K8                        | 21108 | 99  | 20807 | 98  | 20684 | 97  | 21299 | 100 | 213     |
| ORX-3-AM-128L-7-27K7                         | 25781 | 92  | 25413 | 90  | 25263 | 90  | 26015 | 93  | 281     |
| ORX-3-AM-128L-7-27K8                         | 24143 | 86  | 23798 | 85  | 23657 | 84  | 24362 | 87  | 281     |
| ORX-3-AM-128L-7-30K7                         | 27874 | 99  | 27477 | 98  | 27315 | 97  | 28128 | 100 | 281     |
| ORX-3-AM-128L-7-30K8                         | 25886 | 92  | 25517 | 91  | 25367 | 90  | 26122 | 93  | 281     |
| ORX-3-AM-128L-7-35K8                         | 25886 | 92  | 25517 | 91  | 25367 | 90  | 26122 | 93  | 281     |
| ORX-3-AM-128L-7-40K7                         | 30118 | 107 | 29689 | 106 | 29513 | 105 | 30392 | 108 | 281     |
| ORX-3-AM-128L-7-40K8                         | 27878 | 99  | 27481 | 98  | 27318 | 97  | 28131 | 100 | 281     |
| ORX-3-AM-128L-7-50K7                         | 30118 | 107 | 29689 | 106 | 29513 | 105 | 30392 | 108 | 281     |
| ORX-3-AM-128L-7-50K8                         | 27878 | 99  | 27481 | 98  | 27318 | 97  | 28131 | 100 | 281     |
| ORX-3-AM-128L-1-27K7                         | 36830 | 92  | 36305 | 90  | 36090 | 90  | 37165 | 92  | 402     |
| ORX-3-AM-128L-1-27K8                         | 34489 | 86  | 33998 | 85  | 33796 | 84  | 34803 | 87  | 402     |
| ORX-3-AM-128L-1-30K7                         | 39820 | 99  | 39253 | 98  | 39021 | 97  | 40182 | 100 | 402     |
| ORX-3-AM-128L-1-30K8                         | 36980 | 92  | 36453 | 91  | 36238 | 90  | 37316 | 93  | 402     |
| ORX-3-AM-128L-1-35K8                         | 36980 | 92  | 36453 | 91  | 36238 | 90  | 37316 | 93  | 402     |
| ORX-3-AM-128L-1-40K7                         | 43026 | 107 | 42412 | 106 | 42162 | 105 | 43417 | 108 | 402     |
| ORX-3-AM-128L-1-40K8                         | 39826 | 99  | 39257 | 98  | 39026 | 97  | 40187 | 100 | 402     |
| ORX-3-AM-128L-1-50K7                         | 43026 | 107 | 42412 | 106 | 42162 | 105 | 43417 | 108 | 402     |
| ORX-3-AM-128L-1-50K8                         | 39826 | 99  | 39257 | 98  | 39026 | 97  | 40187 | 100 | 402     |

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# PRODUCT SPECIFICATIONS

## ORX-3-AM-128L

LUMEN CHART - PERFORMANCE SILICONE MICRO OPTICS

| PART NUMBER           | T4FTW | LPW | T4FTW CTG | LPW | T4FTW DPCL | LPW | T5W   | LPW | T5W CTG | LPW | T5W DPCL | LPW | WATTAGE |
|-----------------------|-------|-----|-----------|-----|------------|-----|-------|-----|---------|-----|----------|-----|---------|
| ORX-3-AM-128L-35-27K7 | 14363 | 102 | 12208     | 87  | NA         | NA  | 15087 | 107 | 12824   | 91  | NA       | NA  | 141     |
| ORX-3-AM-128L-35-27K8 | 13450 | 95  | 11432     | 81  | NA         | NA  | 14128 | 100 | 12009   | 85  | NA       | NA  | 141     |
| ORX-3-AM-128L-35-30K7 | 15529 | 110 | 13200     | 94  | NA         | NA  | 16312 | 116 | 13865   | 98  | NA       | NA  | 141     |
| ORX-3-AM-128L-35-30K8 | 14421 | 102 | 12259     | 87  | NA         | NA  | 15149 | 107 | 12876   | 91  | NA       | NA  | 141     |
| ORX-3-AM-128L-35-35K8 | 14421 | 102 | 12259     | 87  | NA         | NA  | 15149 | 107 | 12876   | 91  | NA       | NA  | 141     |
| ORX-3-AM-128L-35-40K7 | 16779 | 119 | 14262     | 101 | NA         | NA  | 17625 | 125 | 14981   | 106 | NA       | NA  | 141     |
| ORX-3-AM-128L-35-40K8 | 15531 | 110 | 13201     | 94  | NA         | NA  | 16314 | 116 | 13867   | 98  | NA       | NA  | 141     |
| ORX-3-AM-128L-35-50K7 | 16779 | 119 | 14262     | 101 | NA         | NA  | 17625 | 125 | 14981   | 106 | NA       | NA  | 141     |
| ORX-3-AM-128L-35-50K8 | 15531 | 110 | 13201     | 94  | NA         | NA  | 16314 | 116 | 13867   | 98  | NA       | NA  | 141     |
| ORX-3-AM-128L-53-27K7 | 20603 | 97  | 17513     | 82  | NA         | NA  | 23156 | 109 | 19682   | 92  | NA       | NA  | 213     |
| ORX-3-AM-128L-53-27K8 | 19294 | 91  | 16400     | 77  | NA         | NA  | 21684 | 102 | 18431   | 87  | NA       | NA  | 213     |
| ORX-3-AM-128L-53-30K7 | 22276 | 105 | 18934     | 89  | NA         | NA  | 25036 | 118 | 21280   | 100 | NA       | NA  | 213     |
| ORX-3-AM-128L-53-30K8 | 20687 | 97  | 17584     | 83  | NA         | NA  | 23250 | 109 | 19762   | 93  | NA       | NA  | 213     |
| ORX-3-AM-128L-53-35K8 | 20687 | 97  | 17584     | 83  | NA         | NA  | 23250 | 109 | 19762   | 93  | NA       | NA  | 213     |
| ORX-3-AM-128L-53-40K7 | 24069 | 113 | 20459     | 96  | NA         | NA  | 27051 | 127 | 22993   | 108 | NA       | NA  | 213     |
| ORX-3-AM-128L-53-40K8 | 22279 | 105 | 18937     | 89  | NA         | NA  | 25039 | 118 | 21283   | 100 | NA       | NA  | 213     |
| ORX-3-AM-128L-53-50K7 | 24069 | 113 | 20459     | 96  | NA         | NA  | 27051 | 127 | 22993   | 108 | NA       | NA  | 213     |
| ORX-3-AM-128L-53-50K8 | 22279 | 105 | 18937     | 89  | NA         | NA  | 25039 | 118 | 21283   | 100 | NA       | NA  | 213     |
| ORX-3-AM-128L-7-27K7  | 25737 | 92  | 21877     | 78  | NA         | NA  | 28624 | 102 | 24330   | 87  | NA       | NA  | 281     |
| ORX-3-AM-128L-7-27K8  | 24101 | 86  | 20487     | 73  | NA         | NA  | 26805 | 95  | 22784   | 81  | NA       | NA  | 281     |
| ORX-3-AM-128L-7-30K7  | 27827 | 99  | 23653     | 84  | NA         | NA  | 30948 | 110 | 26306   | 94  | NA       | NA  | 281     |
| ORX-3-AM-128L-7-30K8  | 25842 | 92  | 21966     | 78  | NA         | NA  | 28741 | 102 | 24430   | 87  | NA       | NA  | 281     |
| ORX-3-AM-128L-7-35K8  | 25842 | 92  | 21966     | 78  | NA         | NA  | 28741 | 102 | 24430   | 87  | NA       | NA  | 281     |
| ORX-3-AM-128L-7-40K7  | 30067 | 107 | 25557     | 91  | NA         | NA  | 33439 | 119 | 28423   | 101 | NA       | NA  | 281     |
| ORX-3-AM-128L-7-40K8  | 27830 | 99  | 23656     | 84  | NA         | NA  | 30952 | 110 | 26309   | 94  | NA       | NA  | 281     |
| ORX-3-AM-128L-7-50K7  | 30067 | 107 | 25557     | 91  | NA         | NA  | 33439 | 119 | 28423   | 101 | NA       | NA  | 281     |
| ORX-3-AM-128L-7-50K8  | 27830 | 99  | 23656     | 84  | NA         | NA  | 30952 | 110 | 26309   | 94  | NA       | NA  | 281     |
| ORX-3-AM-128L-1-27K7  | 36181 | 90  | NA        | NA  | NA         | NA  | 37445 | 93  | NA      | NA  | NA       | NA  | 402     |
| ORX-3-AM-128L-1-27K8  | 33882 | 84  | NA        | NA  | NA         | NA  | 35065 | 87  | NA      | NA  | NA       | NA  | 402     |
| ORX-3-AM-128L-1-30K7  | 39119 | 97  | NA        | NA  | NA         | NA  | 40485 | 101 | NA      | NA  | NA       | NA  | 402     |
| ORX-3-AM-128L-1-30K8  | 36329 | 90  | NA        | NA  | NA         | NA  | 37598 | 94  | NA      | NA  | NA       | NA  | 402     |
| ORX-3-AM-128L-1-35K8  | 36329 | 90  | NA        | NA  | NA         | NA  | 37598 | 94  | NA      | NA  | NA       | NA  | 402     |
| ORX-3-AM-128L-1-40K7  | 42268 | 105 | NA        | NA  | NA         | NA  | 43744 | 109 | NA      | NA  | NA       | NA  | 402     |
| ORX-3-AM-128L-1-40K8  | 39124 | 97  | NA        | NA  | NA         | NA  | 40490 | 101 | NA      | NA  | NA       | NA  | 402     |
| ORX-3-AM-128L-1-50K7  | 42268 | 105 | NA        | NA  | NA         | NA  | 43744 | 109 | NA      | NA  | NA       | NA  | 402     |
| ORX-3-AM-128L-1-50K8  | 39124 | 97  | NA        | NA  | NA         | NA  | 40490 | 101 | NA      | NA  | NA       | NA  | 402     |

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# PRODUCT SPECIFICATIONS

## ORX-3-AM-144L

| LUMEN CHART - STANDARD SILICONE MICRO OPTICS                                                                                |       |     |       |     |       |     |       |     |         |
|-----------------------------------------------------------------------------------------------------------------------------|-------|-----|-------|-----|-------|-----|-------|-----|---------|
| PART NUMBER                                                                                                                 | T2    | LPW | T3    | LPW | T4    | LPW | T5    | LPW | WATTAGE |
| ORX-3-AM-144L-35-27K7                                                                                                       | 14502 | 92  | 14295 | 90  | 14211 | 90  | 14634 | 93  | 158     |
| ORX-3-AM-144L-35-27K8                                                                                                       | 13580 | 86  | 13387 | 85  | 13308 | 84  | 13704 | 87  | 158     |
| ORX-3-AM-144L-35-30K7                                                                                                       | 15679 | 99  | 15456 | 98  | 15364 | 97  | 15822 | 100 | 158     |
| ORX-3-AM-144L-35-30K8                                                                                                       | 14561 | 92  | 14354 | 91  | 14268 | 90  | 14694 | 93  | 158     |
| ORX-3-AM-144L-35-35K8                                                                                                       | 14561 | 92  | 14354 | 91  | 14268 | 90  | 14694 | 93  | 158     |
| ORX-3-AM-144L-35-40K7                                                                                                       | 16941 | 107 | 16700 | 106 | 16601 | 105 | 17095 | 108 | 158     |
| ORX-3-AM-144L-35-40K8                                                                                                       | 15681 | 99  | 15458 | 98  | 15366 | 97  | 15823 | 100 | 158     |
| ORX-3-AM-144L-35-50K7                                                                                                       | 16941 | 107 | 16700 | 106 | 16601 | 105 | 17095 | 108 | 158     |
| ORX-3-AM-144L-35-50K8                                                                                                       | 15681 | 99  | 15458 | 98  | 15366 | 97  | 15823 | 100 | 158     |
| ORX-3-AM-144L-53-27K7                                                                                                       | 21960 | 92  | 21647 | 90  | 21519 | 90  | 22159 | 92  | 240     |
| ORX-3-AM-144L-53-27K8                                                                                                       | 20564 | 86  | 20271 | 84  | 20151 | 84  | 20751 | 86  | 240     |
| ORX-3-AM-144L-53-30K7                                                                                                       | 23743 | 99  | 23404 | 98  | 23266 | 97  | 23959 | 100 | 240     |
| ORX-3-AM-144L-53-30K8                                                                                                       | 22050 | 92  | 21735 | 91  | 21607 | 90  | 22250 | 93  | 240     |
| ORX-3-AM-144L-53-35K8                                                                                                       | 22050 | 92  | 21735 | 91  | 21607 | 90  | 22250 | 93  | 240     |
| ORX-3-AM-144L-53-40K7                                                                                                       | 25654 | 107 | 25288 | 105 | 25139 | 105 | 25887 | 108 | 240     |
| ORX-3-AM-144L-53-40K8                                                                                                       | 23746 | 99  | 23407 | 98  | 23269 | 97  | 23961 | 100 | 240     |
| ORX-3-AM-144L-53-50K7                                                                                                       | 25654 | 107 | 25288 | 105 | 25139 | 105 | 25887 | 108 | 240     |
| ORX-3-AM-144L-53-50K8                                                                                                       | 23746 | 99  | 23407 | 98  | 23269 | 97  | 23961 | 100 | 240     |
| ORX-3-AM-144L-7-27K7                                                                                                        | 29004 | 92  | 28590 | 90  | 28421 | 90  | 29267 | 93  | 316     |
| ORX-3-AM-144L-7-27K8                                                                                                        | 27161 | 86  | 26773 | 85  | 26615 | 84  | 27407 | 87  | 316     |
| ORX-3-AM-144L-7-30K7                                                                                                        | 31359 | 99  | 30912 | 98  | 30729 | 97  | 31644 | 100 | 316     |
| ORX-3-AM-144L-7-30K8                                                                                                        | 29122 | 92  | 28707 | 91  | 28537 | 90  | 29387 | 93  | 316     |
| ORX-3-AM-144L-7-35K8                                                                                                        | 29122 | 92  | 28707 | 91  | 28537 | 90  | 29387 | 93  | 316     |
| ORX-3-AM-144L-7-40K7                                                                                                        | 33883 | 107 | 33400 | 106 | 33202 | 105 | 34191 | 108 | 316     |
| ORX-3-AM-144L-7-40K8                                                                                                        | 31363 | 99  | 30916 | 98  | 30732 | 97  | 31648 | 100 | 316     |
| ORX-3-AM-144L-7-50K7                                                                                                        | 33883 | 107 | 33400 | 106 | 33202 | 105 | 34191 | 108 | 316     |
| ORX-3-AM-144L-7-50K8                                                                                                        | 31363 | 99  | 30916 | 98  | 30732 | 97  | 31648 | 100 | 316     |
| ORX-3-AM-144L-1A-27K7                                                                                                       | 41434 | 92  | 40843 | 90  | 40602 | 90  | 41810 | 93  | 452     |
| ORX-3-AM-144L-1A-27K8                                                                                                       | 38801 | 86  | 38247 | 85  | 38022 | 84  | 39153 | 87  | 452     |
| ORX-3-AM-144L-1A-30K7                                                                                                       | 44798 | 99  | 44159 | 98  | 43898 | 97  | 45205 | 100 | 452     |
| ORX-3-AM-144L-1A-30K8                                                                                                       | 41603 | 92  | 41010 | 91  | 40767 | 90  | 41981 | 93  | 452     |
| ORX-3-AM-144L-1A-35K8                                                                                                       | 41603 | 92  | 41010 | 91  | 40767 | 90  | 41981 | 93  | 452     |
| ORX-3-AM-144L-1A-40K7                                                                                                       | 48404 | 107 | 47714 | 106 | 47432 | 105 | 48844 | 108 | 452     |
| ORX-3-AM-144L-1A-40K8                                                                                                       | 44804 | 99  | 44165 | 98  | 43904 | 97  | 45211 | 100 | 452     |
| ORX-3-AM-144L-1A-50K7                                                                                                       | 48404 | 107 | 47714 | 106 | 47432 | 105 | 48844 | 108 | 452     |
| ORX-3-AM-144L-1A-50K8                                                                                                       | 44804 | 99  | 44165 | 98  | 43904 | 97  | 45211 | 100 | 452     |
| 3000K or lower, with fixed mounting options only, must be selected to meet International Dark Sky Association Certification |       |     |       |     |       |     |       |     |         |

# PRODUCT SPECIFICATIONS

## ORX-3-AM-144L

LUMEN CHART - PERFORMANCE SILICONE MICRO OPTICS

| PART NUMBER           | T4FTW | LPW | T4FTW CTG | LPW | T4FTW DPCL | LPW | T5W   | LPW | T5W CTG | LPW | T5W DPCL | LPW | WATTAGE |
|-----------------------|-------|-----|-----------|-----|------------|-----|-------|-----|---------|-----|----------|-----|---------|
| ORX-3-AM-144L-35-27K7 | 15408 | 103 | 13097     | 87  | NA         | NA  | 18233 | 122 | 15498   | 103 | NA       | NA  | 150     |
| ORX-3-AM-144L-35-27K8 | 14429 | 96  | 12265     | 82  | NA         | NA  | 17074 | 114 | 14513   | 97  | NA       | NA  | 150     |
| ORX-3-AM-144L-35-30K7 | 16659 | 111 | 14160     | 94  | NA         | NA  | 19713 | 131 | 16756   | 112 | NA       | NA  | 150     |
| ORX-3-AM-144L-35-30K8 | 15471 | 103 | 13150     | 88  | NA         | NA  | 18307 | 122 | 15561   | 104 | NA       | NA  | 150     |
| ORX-3-AM-144L-35-35K8 | 15471 | 103 | 13150     | 88  | NA         | NA  | 18307 | 122 | 15561   | 104 | NA       | NA  | 150     |
| ORX-3-AM-144L-35-40K7 | 18000 | 120 | 15300     | 102 | NA         | NA  | 21300 | 142 | 18105   | 121 | NA       | NA  | 150     |
| ORX-3-AM-144L-35-40K8 | 16661 | 111 | 14162     | 94  | NA         | NA  | 19716 | 131 | 16758   | 112 | NA       | NA  | 150     |
| ORX-3-AM-144L-35-50K7 | 18000 | 120 | 15300     | 102 | NA         | NA  | 21300 | 142 | 18105   | 121 | NA       | NA  | 150     |
| ORX-3-AM-144L-35-50K8 | 16661 | 111 | 14162     | 94  | NA         | NA  | 19716 | 131 | 16758   | 112 | NA       | NA  | 150     |
| ORX-3-AM-144L-53-27K7 | 22152 | 98  | 18829     | 83  | NA         | NA  | 27981 | 123 | 23784   | 105 | NA       | NA  | 227     |
| ORX-3-AM-144L-53-27K8 | 20744 | 91  | 17632     | 78  | NA         | NA  | 26203 | 115 | 22272   | 98  | NA       | NA  | 227     |
| ORX-3-AM-144L-53-30K7 | 23950 | 106 | 20358     | 90  | NA         | NA  | 30253 | 133 | 25715   | 113 | NA       | NA  | 227     |
| ORX-3-AM-144L-53-30K8 | 22242 | 98  | 18906     | 83  | NA         | NA  | 28095 | 124 | 23881   | 105 | NA       | NA  | 227     |
| ORX-3-AM-144L-53-35K8 | 22242 | 98  | 18906     | 83  | NA         | NA  | 28095 | 124 | 23881   | 105 | NA       | NA  | 227     |
| ORX-3-AM-144L-53-40K7 | 25878 | 114 | 21996     | 97  | NA         | NA  | 32688 | 144 | 27785   | 122 | NA       | NA  | 227     |
| ORX-3-AM-144L-53-40K8 | 23953 | 106 | 20360     | 90  | NA         | NA  | 30257 | 133 | 25718   | 113 | NA       | NA  | 227     |
| ORX-3-AM-144L-53-50K7 | 25878 | 114 | 21996     | 97  | NA         | NA  | 32688 | 144 | 27785   | 122 | NA       | NA  | 227     |
| ORX-3-AM-144L-53-50K8 | 23953 | 106 | 20360     | 90  | NA         | NA  | 30257 | 133 | 25718   | 113 | NA       | NA  | 227     |
| ORX-3-AM-144L-7-27K7  | 27734 | 92  | 23574     | 79  | NA         | NA  | 34925 | 116 | 29686   | 99  | NA       | NA  | 300     |
| ORX-3-AM-144L-7-27K8  | 25971 | 87  | 22076     | 74  | NA         | NA  | 32705 | 109 | 27799   | 93  | NA       | NA  | 300     |
| ORX-3-AM-144L-7-30K7  | 29986 | 100 | 25488     | 85  | NA         | NA  | 37760 | 126 | 32096   | 107 | NA       | NA  | 300     |
| ORX-3-AM-144L-7-30K8  | 27847 | 93  | 23670     | 79  | NA         | NA  | 35067 | 117 | 29807   | 99  | NA       | NA  | 300     |
| ORX-3-AM-144L-7-35K8  | 27847 | 93  | 23670     | 79  | NA         | NA  | 35067 | 117 | 29807   | 99  | NA       | NA  | 300     |
| ORX-3-AM-144L-7-40K7  | 32400 | 108 | 27540     | 92  | NA         | NA  | 40800 | 136 | 34680   | 116 | NA       | NA  | 300     |
| ORX-3-AM-144L-7-40K8  | 29990 | 100 | 25491     | 85  | NA         | NA  | 37765 | 126 | 32100   | 107 | NA       | NA  | 300     |
| ORX-3-AM-144L-7-50K7  | 32400 | 108 | 27540     | 92  | NA         | NA  | 40800 | 136 | 34680   | 116 | NA       | NA  | 300     |
| ORX-3-AM-144L-7-50K8  | 29990 | 100 | 25491     | 85  | NA         | NA  | 37765 | 126 | 32100   | 107 | NA       | NA  | 300     |
| ORX-3-AM-144L-1A-27K7 | 38766 | 91  | NA        | NA  | NA         | NA  | 45393 | 106 | NA      | NA  | NA       | NA  | 428     |
| ORX-3-AM-144L-1A-27K8 | 36302 | 85  | NA        | NA  | NA         | NA  | 42508 | 99  | NA      | NA  | NA       | NA  | 428     |
| ORX-3-AM-144L-1A-30K7 | 41913 | 98  | NA        | NA  | NA         | NA  | 49078 | 115 | NA      | NA  | NA       | NA  | 428     |
| ORX-3-AM-144L-1A-30K8 | 38924 | 91  | NA        | NA  | NA         | NA  | 45578 | 106 | NA      | NA  | NA       | NA  | 428     |
| ORX-3-AM-144L-1A-35K8 | 38924 | 91  | NA        | NA  | NA         | NA  | 45578 | 106 | NA      | NA  | NA       | NA  | 428     |
| ORX-3-AM-144L-1A-40K7 | 45287 | 106 | NA        | NA  | NA         | NA  | 53029 | 124 | NA      | NA  | NA       | NA  | 428     |
| ORX-3-AM-144L-1A-40K8 | 41918 | 98  | NA        | NA  | NA         | NA  | 49084 | 115 | NA      | NA  | NA       | NA  | 428     |
| ORX-3-AM-144L-1A-50K7 | 45287 | 106 | NA        | NA  | NA         | NA  | 53029 | 124 | NA      | NA  | NA       | NA  | 428     |
| ORX-3-AM-144L-1A-50K8 | 41918 | 98  | NA        | NA  | NA         | NA  | 49084 | 115 | NA      | NA  | NA       | NA  | 428     |

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# PRODUCT SPECIFICATIONS

## BUG RATING CHARTS

### ORX-3-AM-80L

| BUG RATING CHART - STANDARD SILICONE MICRO OPTICS |          |          |          |          |
|---------------------------------------------------|----------|----------|----------|----------|
| PART NUMBER                                       | T2       | T3       | T4       | T5       |
| ORX-3-AM-80L-35-27K7                              | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B3-U0-G1 |
| ORX-3-AM-80L-35-27K8                              | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B3-U0-G1 |
| ORX-3-AM-80L-35-30K7                              | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B3-U0-G1 |
| ORX-3-AM-80L-35-30K8                              | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B3-U0-G1 |
| ORX-3-AM-80L-35-35K8                              | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B3-U0-G1 |
| ORX-3-AM-80L-35-40K7                              | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B3-U0-G1 |
| ORX-3-AM-80L-35-40K8                              | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B3-U0-G1 |
| ORX-3-AM-80L-35-50K7                              | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B3-U0-G1 |
| ORX-3-AM-80L-35-50K8                              | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B3-U0-G1 |
| ORX-3-AM-80L-53-27K7                              | B2-U0-G2 | B3-U0-G3 | B2-U0-G2 | B4-U0-G2 |
| ORX-3-AM-80L-53-27K8                              | B2-U0-G2 | B3-U0-G3 | B2-U0-G2 | B4-U0-G2 |
| ORX-3-AM-80L-53-30K7                              | B2-U0-G2 | B3-U0-G3 | B3-U0-G3 | B4-U0-G2 |
| ORX-3-AM-80L-53-30K8                              | B2-U0-G2 | B3-U0-G3 | B3-U0-G3 | B4-U0-G2 |
| ORX-3-AM-80L-53-35K8                              | B2-U0-G2 | B3-U0-G3 | B3-U0-G3 | B4-U0-G2 |
| ORX-3-AM-80L-53-40K7                              | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-80L-53-40K8                              | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B4-U0-G2 |
| ORX-3-AM-80L-53-50K7                              | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-80L-53-50K8                              | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B4-U0-G2 |
| ORX-3-AM-80L-7-27K7                               | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-80L-7-27K8                               | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-80L-7-30K7                               | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-80L-7-30K8                               | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-80L-7-35K8                               | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-80L-7-40K7                               | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-80L-7-40K8                               | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-80L-7-50K7                               | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-80L-7-50K8                               | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-80L-1-27K7                               | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-80L-1-27K8                               | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-80L-1-30K7                               | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-80L-1-30K8                               | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-80L-1-35K8                               | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-80L-1-40K7                               | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-80L-1-40K8                               | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-80L-1-50K7                               | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-80L-1-50K8                               | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |

| BUG RATING CHART - PERFORMANCE SILICONE MICRO OPTICS |          |           |          |          |          |
|------------------------------------------------------|----------|-----------|----------|----------|----------|
| PART NUMBER                                          | T4FTW    | T4FTW CTG | T5W      | T5W CTG  | T5W DPCL |
| ORX-3-AM-80L-35-27K7                                 | B2-U0-G3 | B2-U0-G3  | B4-U0-G2 | B3-U0-G2 | NA       |
| ORX-3-AM-80L-35-27K8                                 | B2-U0-G3 | B2-U0-G3  | B4-U0-G2 | B3-U0-G2 | NA       |
| ORX-3-AM-80L-35-30K7                                 | B2-U0-G3 | B2-U0-G3  | B4-U0-G3 | B4-U0-G2 | NA       |
| ORX-3-AM-80L-35-30K8                                 | B2-U0-G3 | B2-U0-G3  | B4-U0-G3 | B4-U0-G2 | NA       |
| ORX-3-AM-80L-35-35K8                                 | B2-U0-G3 | B2-U0-G3  | B4-U0-G3 | B4-U0-G2 | NA       |
| ORX-3-AM-80L-35-40K7                                 | B2-U0-G3 | B2-U0-G3  | B4-U0-G3 | B4-U0-G2 | NA       |
| ORX-3-AM-80L-35-40K8                                 | B2-U0-G3 | B2-U0-G3  | B4-U0-G3 | B4-U0-G2 | NA       |
| ORX-3-AM-80L-35-50K7                                 | B2-U0-G3 | B2-U0-G3  | B4-U0-G3 | B4-U0-G2 | NA       |
| ORX-3-AM-80L-35-50K8                                 | B2-U0-G3 | B2-U0-G3  | B4-U0-G3 | B4-U0-G2 | NA       |
| ORX-3-AM-80L-53-27K7                                 | B2-U0-G3 | B2-U0-G3  | B4-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-80L-53-27K8                                 | B2-U0-G3 | B2-U0-G3  | B4-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-80L-53-30K7                                 | B3-U0-G3 | B2-U0-G3  | B4-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-80L-53-30K8                                 | B3-U0-G3 | B2-U0-G3  | B4-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-80L-53-35K8                                 | B3-U0-G3 | B2-U0-G3  | B4-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-80L-53-40K7                                 | B3-U0-G4 | B2-U0-G3  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-80L-53-40K8                                 | B3-U0-G4 | B2-U0-G3  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-80L-53-50K7                                 | B3-U0-G4 | B2-U0-G3  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-80L-53-50K8                                 | B3-U0-G4 | B2-U0-G3  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-80L-7-27K7                                  | B3-U0-G4 | B3-U0-G3  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-80L-7-27K8                                  | B3-U0-G4 | B3-U0-G3  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-80L-7-30K7                                  | B3-U0-G4 | B3-U0-G4  | B5-U0-G3 | B5-U0-G3 | NA       |
| ORX-3-AM-80L-7-30K8                                  | B3-U0-G4 | B3-U0-G4  | B5-U0-G3 | B5-U0-G3 | NA       |
| ORX-3-AM-80L-7-35K8                                  | B3-U0-G4 | B3-U0-G4  | B5-U0-G3 | B5-U0-G3 | NA       |
| ORX-3-AM-80L-7-40K7                                  | B3-U0-G4 | B3-U0-G4  | B5-U0-G3 | B5-U0-G3 | NA       |
| ORX-3-AM-80L-7-40K8                                  | B3-U0-G4 | B3-U0-G4  | B5-U0-G3 | B5-U0-G3 | NA       |
| ORX-3-AM-80L-7-50K7                                  | B3-U0-G4 | B3-U0-G4  | B5-U0-G3 | B5-U0-G3 | NA       |
| ORX-3-AM-80L-7-50K8                                  | B3-U0-G4 | B3-U0-G4  | B5-U0-G3 | B5-U0-G3 | NA       |
| ORX-3-AM-80L-1-27K7                                  | B3-U0-G5 | NA        | B5-U0-G4 | NA       | NA       |
| ORX-3-AM-80L-1-27K8                                  | B3-U0-G5 | NA        | B5-U0-G4 | NA       | NA       |
| ORX-3-AM-80L-1-30K7                                  | B3-U0-G5 | NA        | B5-U0-G4 | NA       | NA       |
| ORX-3-AM-80L-1-30K8                                  | B3-U0-G5 | NA        | B5-U0-G4 | NA       | NA       |
| ORX-3-AM-80L-1-35K8                                  | B3-U0-G5 | NA        | B5-U0-G4 | NA       | NA       |
| ORX-3-AM-80L-1-40K7                                  | B3-U0-G5 | NA        | B5-U0-G4 | NA       | NA       |
| ORX-3-AM-80L-1-40K8                                  | B3-U0-G5 | NA        | B5-U0-G4 | NA       | NA       |
| ORX-3-AM-80L-1-50K7                                  | B3-U0-G5 | NA        | B5-U0-G4 | NA       | NA       |
| ORX-3-AM-80L-1-50K8                                  | B3-U0-G5 | NA        | B5-U0-G4 | NA       | NA       |

# PRODUCT SPECIFICATIONS

## ORX-3-AM-96L

**BUG RATING CHART - STANDARD SILICONE MICRO OPTICS**

| PART NUMBER          | T2       | T3       | T4       | T5       |
|----------------------|----------|----------|----------|----------|
| ORX-3-AM-96L-35-27K7 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B3-U0-G2 |
| ORX-3-AM-96L-35-27K8 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B3-U0-G2 |
| ORX-3-AM-96L-35-30K7 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B3-U0-G2 |
| ORX-3-AM-96L-35-30K8 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B3-U0-G2 |
| ORX-3-AM-96L-35-35K8 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B3-U0-G2 |
| ORX-3-AM-96L-35-40K7 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B4-U0-G2 |
| ORX-3-AM-96L-35-40K8 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B3-U0-G2 |
| ORX-3-AM-96L-35-50K7 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B4-U0-G2 |
| ORX-3-AM-96L-35-50K8 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B3-U0-G2 |
| ORX-3-AM-96L-53-27K7 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-96L-53-27K8 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-96L-53-30K7 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-96L-53-30K8 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-96L-53-35K8 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-96L-53-40K7 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-96L-53-40K8 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-96L-53-50K7 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-96L-53-50K8 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-96L-7-27K7  | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-96L-7-27K8  | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-96L-7-30K7  | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-96L-7-30K8  | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-96L-7-35K8  | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-96L-7-40K7  | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-96L-7-40K8  | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-96L-7-50K7  | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-96L-7-50K8  | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-96L-1-27K7  | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-96L-1-27K8  | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-96L-1-30K7  | B3-U0-G4 | B3-U0-G4 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-96L-1-30K8  | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-96L-1-35K8  | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-96L-1-40K7  | B3-U0-G4 | B3-U0-G4 | B4-U0-G4 | B5-U0-G4 |
| ORX-3-AM-96L-1-40K8  | B3-U0-G4 | B3-U0-G4 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-96L-1-50K7  | B3-U0-G4 | B3-U0-G4 | B4-U0-G4 | B5-U0-G4 |
| ORX-3-AM-96L-1-50K8  | B3-U0-G4 | B3-U0-G4 | B3-U0-G4 | B5-U0-G3 |

**BUG RATING CHART - PERFORMANCE SILICONE MICRO OPTICS**

| PART NUMBER          | T4FTW    | T4FTW CTG | T5W      | T5W CTG  | T5W DPCL |
|----------------------|----------|-----------|----------|----------|----------|
| ORX-3-AM-96L-35-27K7 | B2-U0-G3 | B2-U0-G3  | B4-U0-G2 | B4-U0-G2 | NA       |
| ORX-3-AM-96L-35-27K8 | B2-U0-G3 | B2-U0-G3  | B4-U0-G3 | B4-U0-G2 | NA       |
| ORX-3-AM-96L-35-30K7 | B2-U0-G3 | B2-U0-G3  | B4-U0-G3 | B4-U0-G2 | NA       |
| ORX-3-AM-96L-35-30K8 | B2-U0-G3 | B2-U0-G3  | B4-U0-G3 | B4-U0-G2 | NA       |
| ORX-3-AM-96L-35-35K8 | B2-U0-G3 | B2-U0-G3  | B4-U0-G3 | B4-U0-G2 | NA       |
| ORX-3-AM-96L-35-40K7 | B2-U0-G3 | B2-U0-G3  | B4-U0-G3 | B4-U0-G2 | NA       |
| ORX-3-AM-96L-35-40K8 | B2-U0-G3 | B2-U0-G3  | B4-U0-G3 | B4-U0-G2 | NA       |
| ORX-3-AM-96L-35-50K7 | B2-U0-G3 | B2-U0-G3  | B4-U0-G3 | B4-U0-G2 | NA       |
| ORX-3-AM-96L-35-50K8 | B2-U0-G3 | B2-U0-G3  | B4-U0-G3 | B4-U0-G2 | NA       |
| ORX-3-AM-96L-53-27K7 | B3-U0-G4 | B2-U0-G3  | B5-U0-G3 | B4-U0-G2 | NA       |
| ORX-3-AM-96L-53-27K8 | B3-U0-G4 | B2-U0-G3  | B5-U0-G3 | B4-U0-G2 | NA       |
| ORX-3-AM-96L-53-30K7 | B3-U0-G4 | B2-U0-G3  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-96L-53-30K8 | B3-U0-G4 | B2-U0-G3  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-96L-53-35K8 | B3-U0-G4 | B2-U0-G3  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-96L-53-40K7 | B3-U0-G4 | B3-U0-G4  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-96L-53-40K8 | B3-U0-G4 | B3-U0-G4  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-96L-53-50K7 | B3-U0-G4 | B3-U0-G4  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-96L-53-50K8 | B3-U0-G4 | B3-U0-G4  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-96L-7-27K7  | B3-U0-G4 | B3-U0-G4  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-96L-7-27K8  | B3-U0-G4 | B3-U0-G4  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-96L-7-30K7  | B3-U0-G4 | B3-U0-G4  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-96L-7-30K8  | B3-U0-G5 | B3-U0-G4  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-96L-7-35K8  | B3-U0-G5 | B3-U0-G4  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-96L-7-40K7  | B3-U0-G5 | B3-U0-G4  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-96L-7-40K8  | B3-U0-G5 | B3-U0-G4  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-96L-7-50K7  | B3-U0-G5 | B3-U0-G4  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-96L-7-50K8  | B3-U0-G5 | B3-U0-G4  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-96L-1-27K7  | B3-U0-G5 | NA        | B5-U0-G4 | NA       | NA       |
| ORX-3-AM-96L-1-27K8  | B3-U0-G5 | NA        | B5-U0-G4 | NA       | NA       |
| ORX-3-AM-96L-1-30K7  | B3-U0-G5 | NA        | B5-U0-G4 | NA       | NA       |
| ORX-3-AM-96L-1-30K8  | B3-U0-G5 | NA        | B5-U0-G4 | NA       | NA       |
| ORX-3-AM-96L-1-35K8  | B3-U0-G5 | NA        | B5-U0-G4 | NA       | NA       |
| ORX-3-AM-96L-1-40K7  | B3-U0-G5 | NA        | B5-U0-G4 | NA       | NA       |
| ORX-3-AM-96L-1-40K8  | B3-U0-G5 | NA        | B5-U0-G4 | NA       | NA       |
| ORX-3-AM-96L-1-50K7  | B3-U0-G5 | NA        | B5-U0-G4 | NA       | NA       |
| ORX-3-AM-96L-1-50K8  | B3-U0-G5 | NA        | B5-U0-G4 | NA       | NA       |



# PRODUCT SPECIFICATIONS

## ORX-3-AM-128L

| BUG RATING CHART - STANDARD SILICONE MICRO OPTICS |          |          |          |          |
|---------------------------------------------------|----------|----------|----------|----------|
| PART NUMBER                                       | T2       | T3       | T4       | T5       |
| ORX-3-AM-128L-35-27K7                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B4-U0-G2 |
| ORX-3-AM-128L-35-27K8                             | B2-U0-G2 | B3-U0-G3 | B2-U0-G2 | B4-U0-G2 |
| ORX-3-AM-128L-35-30K7                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-128L-35-30K8                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B4-U0-G2 |
| ORX-3-AM-128L-35-35K8                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B4-U0-G2 |
| ORX-3-AM-128L-35-40K7                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-128L-35-40K8                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-128L-35-50K7                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-128L-35-50K8                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-128L-53-27K7                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-128L-53-27K8                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-128L-53-30K7                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-128L-53-30K8                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-128L-53-35K8                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-128L-53-40K7                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-128L-53-40K8                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-128L-53-50K7                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-128L-53-50K8                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-128L-7-27K7                              | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-128L-7-27K8                              | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-128L-7-30K7                              | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-128L-7-30K8                              | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-128L-7-35K8                              | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-128L-7-40K7                              | B3-U0-G4 | B4-U0-G4 | B3-U0-G4 | B5-U0-G4 |
| ORX-3-AM-128L-7-40K8                              | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-128L-7-50K7                              | B3-U0-G4 | B4-U0-G4 | B3-U0-G4 | B5-U0-G4 |
| ORX-3-AM-128L-7-50K8                              | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-128L-1-27K7                              | B4-U0-G4 | B4-U0-G4 | B4-U0-G4 | B5-U0-G4 |
| ORX-3-AM-128L-1-27K8                              | B3-U0-G4 | B4-U0-G4 | B4-U0-G4 | B5-U0-G4 |
| ORX-3-AM-128L-1-30K7                              | B4-U0-G4 | B4-U0-G4 | B4-U0-G5 | B5-U0-G4 |
| ORX-3-AM-128L-1-30K8                              | B4-U0-G4 | B4-U0-G4 | B4-U0-G4 | B5-U0-G4 |
| ORX-3-AM-128L-1-35K8                              | B4-U0-G4 | B4-U0-G4 | B4-U0-G4 | B5-U0-G4 |
| ORX-3-AM-128L-1-40K7                              | B4-U0-G4 | B4-U0-G4 | B4-U0-G5 | B5-U0-G4 |
| ORX-3-AM-128L-1-40K8                              | B4-U0-G4 | B4-U0-G4 | B4-U0-G5 | B5-U0-G4 |
| ORX-3-AM-128L-1-50K7                              | B4-U0-G4 | B4-U0-G4 | B4-U0-G5 | B5-U0-G4 |
| ORX-3-AM-128L-1-50K8                              | B4-U0-G4 | B4-U0-G4 | B4-U0-G5 | B5-U0-G4 |

| BUG RATING CHART - PERFORMANCE SILICONE MICRO OPTICS |          |           |          |          |          |
|------------------------------------------------------|----------|-----------|----------|----------|----------|
| PART NUMBER                                          | T4FTW    | T4FTW CTG | T5W      | T5W CTG  | T5W DPCL |
| ORX-3-AM-128L-35-27K7                                | B3-U0-G3 | B2-U0-G3  | B4-U0-G3 | B4-U0-G2 | NA       |
| ORX-3-AM-128L-35-27K8                                | B3-U0-G3 | B2-U0-G3  | B4-U0-G3 | B4-U0-G2 | NA       |
| ORX-3-AM-128L-35-30K7                                | B3-U0-G3 | B2-U0-G3  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-128L-35-30K8                                | B3-U0-G3 | B2-U0-G3  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-128L-35-35K8                                | B3-U0-G3 | B2-U0-G3  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-128L-35-40K7                                | B3-U0-G3 | B3-U0-G3  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-128L-35-40K8                                | B3-U0-G3 | B3-U0-G3  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-128L-35-50K7                                | B3-U0-G3 | B3-U0-G3  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-128L-35-50K8                                | B3-U0-G3 | B3-U0-G3  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-128L-53-27K7                                | B3-U0-G4 | B3-U0-G4  | B5-U0-G3 | B5-U0-G3 | NA       |
| ORX-3-AM-128L-53-27K8                                | B3-U0-G4 | B3-U0-G4  | B5-U0-G3 | B5-U0-G3 | NA       |
| ORX-3-AM-128L-53-30K7                                | B3-U0-G4 | B3-U0-G4  | B5-U0-G3 | B5-U0-G3 | NA       |
| ORX-3-AM-128L-53-30K8                                | B3-U0-G4 | B3-U0-G4  | B5-U0-G3 | B5-U0-G3 | NA       |
| ORX-3-AM-128L-53-35K8                                | B3-U0-G4 | B3-U0-G4  | B5-U0-G3 | B5-U0-G3 | NA       |
| ORX-3-AM-128L-53-40K7                                | B3-U0-G4 | B3-U0-G4  | B5-U0-G4 | B5-U0-G3 | NA       |
| ORX-3-AM-128L-53-40K8                                | B3-U0-G4 | B3-U0-G4  | B5-U0-G4 | B5-U0-G3 | NA       |
| ORX-3-AM-128L-53-50K7                                | B3-U0-G4 | B3-U0-G4  | B5-U0-G4 | B5-U0-G3 | NA       |
| ORX-3-AM-128L-53-50K8                                | B3-U0-G4 | B3-U0-G4  | B5-U0-G4 | B5-U0-G3 | NA       |
| ORX-3-AM-128L-7-27K7                                 | B3-U0-G4 | B3-U0-G4  | B5-U0-G4 | B5-U0-G3 | NA       |
| ORX-3-AM-128L-7-27K8                                 | B3-U0-G4 | B3-U0-G4  | B5-U0-G4 | B5-U0-G3 | NA       |
| ORX-3-AM-128L-7-30K7                                 | B3-U0-G5 | B3-U0-G4  | B5-U0-G4 | B5-U0-G4 | NA       |
| ORX-3-AM-128L-7-30K8                                 | B3-U0-G5 | B3-U0-G4  | B5-U0-G4 | B5-U0-G4 | NA       |
| ORX-3-AM-128L-7-35K8                                 | B3-U0-G5 | B3-U0-G4  | B5-U0-G4 | B5-U0-G4 | NA       |
| ORX-3-AM-128L-7-40K7                                 | B3-U0-G5 | B3-U0-G4  | B5-U0-G4 | B5-U0-G4 | NA       |
| ORX-3-AM-128L-7-40K8                                 | B3-U0-G5 | B3-U0-G4  | B5-U0-G4 | B5-U0-G4 | NA       |
| ORX-3-AM-128L-7-50K7                                 | B3-U0-G5 | B3-U0-G4  | B5-U0-G4 | B5-U0-G4 | NA       |
| ORX-3-AM-128L-7-50K8                                 | B3-U0-G5 | B3-U0-G4  | B5-U0-G4 | B5-U0-G4 | NA       |
| ORX-3-AM-128L-1-27K7                                 | B4-U0-G5 | NA        | B5-U0-G4 | NA       | NA       |
| ORX-3-AM-128L-1-27K8                                 | B4-U0-G5 | NA        | B5-U0-G4 | NA       | NA       |
| ORX-3-AM-128L-1-30K7                                 | B4-U0-G5 | NA        | B5-U0-G4 | NA       | NA       |
| ORX-3-AM-128L-1-30K8                                 | B4-U0-G5 | NA        | B5-U0-G4 | NA       | NA       |
| ORX-3-AM-128L-1-35K8                                 | B4-U0-G5 | NA        | B5-U0-G4 | NA       | NA       |
| ORX-3-AM-128L-1-40K7                                 | B4-U0-G5 | NA        | B5-U0-G5 | NA       | NA       |
| ORX-3-AM-128L-1-40K8                                 | B4-U0-G5 | NA        | B5-U0-G5 | NA       | NA       |
| ORX-3-AM-128L-1-50K7                                 | B4-U0-G5 | NA        | B5-U0-G5 | NA       | NA       |
| ORX-3-AM-128L-1-50K8                                 | B4-U0-G5 | NA        | B5-U0-G5 | NA       | NA       |

# PRODUCT SPECIFICATIONS

## ORX-3-AM-144L

| BUG RATING CHART - STANDARD SILICONE MICRO OPTICS |          |          |          |          |
|---------------------------------------------------|----------|----------|----------|----------|
| PART NUMBER                                       | T2       | T3       | T4       | T5       |
| ORX-3-AM-144L-35-27K7                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-144L-35-27K8                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-144L-35-30K7                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-144L-35-30K8                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-144L-35-35K8                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-144L-35-40K7                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-144L-35-40K8                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-144L-35-50K7                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-144L-35-50K8                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-144L-53-27K7                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-144L-53-27K8                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-144L-53-30K7                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-144L-53-30K8                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-144L-53-35K8                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-144L-53-40K7                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-144L-53-40K8                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-144L-53-50K7                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-144L-53-50K8                             | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B5-U0-G3 |
| ORX-3-AM-144L-7-27K7                              | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-144L-7-27K8                              | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-144L-7-30K7                              | B3-U0-G4 | B4-U0-G4 | B4-U0-G4 | B5-U0-G4 |
| ORX-3-AM-144L-7-30K8                              | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-144L-7-35K8                              | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B5-U0-G3 |
| ORX-3-AM-144L-7-40K7                              | B3-U0-G4 | B4-U0-G4 | B4-U0-G4 | B5-U0-G4 |
| ORX-3-AM-144L-7-40K8                              | B3-U0-G4 | B4-U0-G4 | B4-U0-G4 | B5-U0-G4 |
| ORX-3-AM-144L-7-50K7                              | B3-U0-G4 | B4-U0-G4 | B4-U0-G4 | B5-U0-G4 |
| ORX-3-AM-144L-7-50K8                              | B3-U0-G4 | B4-U0-G4 | B4-U0-G4 | B5-U0-G4 |
| ORX-3-AM-144L-1A-27K7                             | B4-U0-G4 | B4-U0-G4 | B4-U0-G5 | B5-U0-G4 |
| ORX-3-AM-144L-1A-27K8                             | B4-U0-G4 | B4-U0-G4 | B4-U0-G5 | B5-U0-G4 |
| ORX-3-AM-144L-1A-30K7                             | B4-U0-G4 | B4-U0-G4 | B4-U0-G5 | B5-U0-G4 |
| ORX-3-AM-144L-1A-30K8                             | B4-U0-G4 | B4-U0-G4 | B4-U0-G5 | B5-U0-G4 |
| ORX-3-AM-144L-1A-35K8                             | B4-U0-G4 | B4-U0-G4 | B4-U0-G5 | B5-U0-G4 |
| ORX-3-AM-144L-1A-40K7                             | B4-U0-G4 | B4-U0-G5 | B4-U0-G5 | B5-U0-G5 |
| ORX-3-AM-144L-1A-40K8                             | B4-U0-G4 | B4-U0-G4 | B4-U0-G5 | B5-U0-G4 |
| ORX-3-AM-144L-1A-50K7                             | B4-U0-G4 | B4-U0-G5 | B4-U0-G5 | B5-U0-G5 |
| ORX-3-AM-144L-1A-50K8                             | B4-U0-G4 | B4-U0-G4 | B4-U0-G5 | B5-U0-G4 |

| BUG RATING CHART - PERFORMANCE SILICONE MICRO OPTICS |          |           |          |          |          |
|------------------------------------------------------|----------|-----------|----------|----------|----------|
| PART NUMBER                                          | T4FTW    | T4FTW CTG | T5W      | T5W CTG  | T5W DPCL |
| ORX-3-AM-144L-35-27K7                                | B3-U0-G3 | B2-U0-G3  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-144L-35-27K8                                | B3-U0-G3 | B2-U0-G3  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-144L-35-30K7                                | B3-U0-G3 | B3-U0-G3  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-144L-35-30K8                                | B3-U0-G3 | B3-U0-G3  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-144L-35-35K8                                | B3-U0-G3 | B3-U0-G3  | B5-U0-G3 | B4-U0-G3 | NA       |
| ORX-3-AM-144L-35-40K7                                | B3-U0-G4 | B3-U0-G3  | B5-U0-G3 | B5-U0-G3 | NA       |
| ORX-3-AM-144L-35-40K8                                | B3-U0-G4 | B3-U0-G3  | B5-U0-G3 | B5-U0-G3 | NA       |
| ORX-3-AM-144L-35-50K7                                | B3-U0-G4 | B3-U0-G3  | B5-U0-G3 | B5-U0-G3 | NA       |
| ORX-3-AM-144L-35-50K8                                | B3-U0-G4 | B3-U0-G3  | B5-U0-G3 | B5-U0-G3 | NA       |
| ORX-3-AM-144L-53-27K7                                | B3-U0-G4 | B3-U0-G4  | B5-U0-G4 | B5-U0-G4 | NA       |
| ORX-3-AM-144L-53-27K8                                | B3-U0-G4 | B3-U0-G4  | B5-U0-G4 | B5-U0-G4 | NA       |
| ORX-3-AM-144L-53-30K7                                | B3-U0-G4 | B3-U0-G4  | B5-U0-G4 | B5-U0-G4 | NA       |
| ORX-3-AM-144L-53-30K8                                | B3-U0-G4 | B3-U0-G4  | B5-U0-G4 | B5-U0-G4 | NA       |
| ORX-3-AM-144L-53-35K8                                | B3-U0-G4 | B3-U0-G4  | B5-U0-G4 | B5-U0-G4 | NA       |
| ORX-3-AM-144L-53-40K7                                | B3-U0-G4 | B3-U0-G4  | B5-U0-G4 | B5-U0-G4 | NA       |
| ORX-3-AM-144L-53-40K8                                | B3-U0-G4 | B3-U0-G4  | B5-U0-G4 | B5-U0-G4 | NA       |
| ORX-3-AM-144L-53-50K7                                | B3-U0-G4 | B3-U0-G4  | B5-U0-G4 | B5-U0-G4 | NA       |
| ORX-3-AM-144L-53-50K8                                | B3-U0-G4 | B3-U0-G4  | B5-U0-G4 | B5-U0-G4 | NA       |
| ORX-3-AM-144L-7-27K7                                 | B3-U0-G5 | B3-U0-G4  | B5-U0-G4 | B5-U0-G4 | NA       |
| ORX-3-AM-144L-7-27K8                                 | B3-U0-G5 | B3-U0-G4  | B5-U0-G4 | B5-U0-G4 | NA       |
| ORX-3-AM-144L-7-30K7                                 | B3-U0-G5 | B3-U0-G4  | B5-U0-G4 | B5-U0-G4 | NA       |
| ORX-3-AM-144L-7-30K8                                 | B3-U0-G5 | B3-U0-G4  | B5-U0-G4 | B5-U0-G4 | NA       |
| ORX-3-AM-144L-7-35K8                                 | B3-U0-G5 | B3-U0-G4  | B5-U0-G4 | B5-U0-G4 | NA       |
| ORX-3-AM-144L-7-40K7                                 | B3-U0-G5 | B3-U0-G5  | B5-U0-G5 | B5-U0-G4 | NA       |
| ORX-3-AM-144L-7-40K8                                 | B3-U0-G5 | B3-U0-G5  | B5-U0-G5 | B5-U0-G4 | NA       |
| ORX-3-AM-144L-7-50K7                                 | B3-U0-G5 | B3-U0-G5  | B5-U0-G5 | B5-U0-G4 | NA       |
| ORX-3-AM-144L-7-50K8                                 | B3-U0-G5 | B3-U0-G5  | B5-U0-G5 | B5-U0-G4 | NA       |
| ORX-3-AM-144L-1A-27K7                                | B4-U0-G5 | NA        | B5-U0-G5 | NA       | NA       |
| ORX-3-AM-144L-1A-27K8                                | B4-U0-G5 | NA        | B5-U0-G5 | NA       | NA       |
| ORX-3-AM-144L-1A-30K7                                | B4-U0-G5 | NA        | B5-U0-G5 | NA       | NA       |
| ORX-3-AM-144L-1A-30K8                                | B4-U0-G5 | NA        | B5-U0-G5 | NA       | NA       |
| ORX-3-AM-144L-1A-35K8                                | B4-U0-G5 | NA        | B5-U0-G5 | NA       | NA       |
| ORX-3-AM-144L-1A-40K7                                | B4-U0-G5 | NA        | B5-U0-G5 | NA       | NA       |
| ORX-3-AM-144L-1A-40K8                                | B4-U0-G5 | NA        | B5-U0-G5 | NA       | NA       |
| ORX-3-AM-144L-1A-50K7                                | B4-U0-G5 | NA        | B5-U0-G5 | NA       | NA       |
| ORX-3-AM-144L-1A-50K8                                | B4-U0-G5 | NA        | B5-U0-G5 | NA       | NA       |

## PRODUCT SPECIFICATIONS

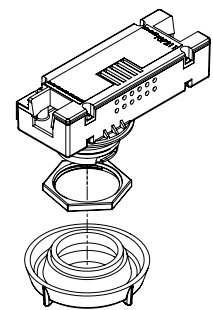
### CONTROL OPTIONS

- DIMMING CONTROL (FSP)—Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution
- All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
- FSP-8 mounting heights 8 feet and below
- FSP-20 mounting heights 9-20 feet.
- FSP-40 mounting heights 21-40 feet.
- Includes 5 dimming event cycles, 0-10V dimming with motion sensing, re-programmable in the field.

### FSP-211 WITH MOTION SENSOR (FSP-XX)

- FSP-211(FSP-X)—Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
- 120/277VAC, 230-240VAC
- All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
- FSP-8 mounting heights 8 feet and below
- FSP-20 mounting heights 9-20 feet.
- FSP-40 mounting heights 21-40 feet.
- Includes 5 dimming event cycles, 0-10V dimming with motion sensing, re-programmable in the field.

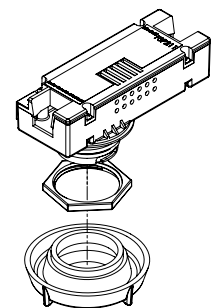
**FSP-211**



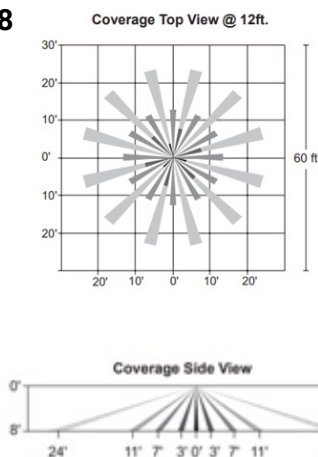
### FSP-221 WITH MOTION SENSOR (FSP-HV-XX)

- FSP-221 (FSP-HV-X)—Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
- 100-347VAC 208/230/480VAC
- All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
- FSP-8 mounting heights 8 feet and below
- FSP-20 mounting heights 9-20 feet.
- FSP-40 mounting heights 21-40 feet.
- Includes 5 dimming event cycles, 0-10V dimming with motion sensing, re-programmable in the field.

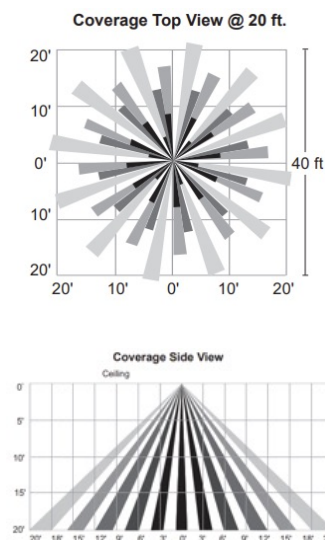
**FSP-221**



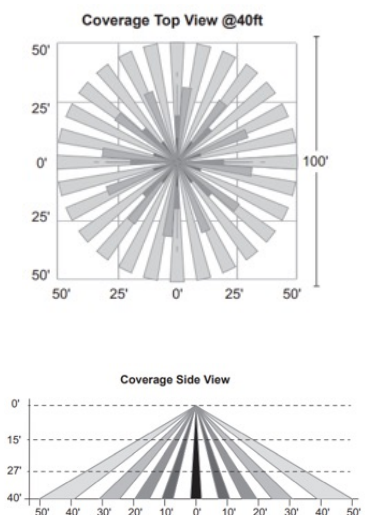
**FSP-8**



**FSP-20**



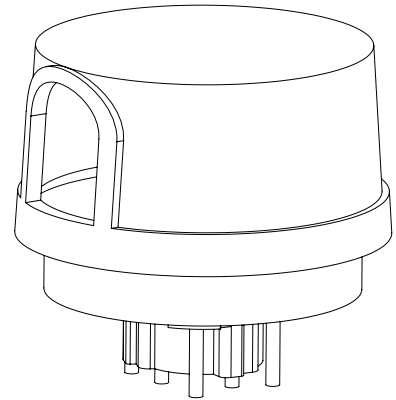
**FSP-40**



## PRODUCT SPECIFICATIONS

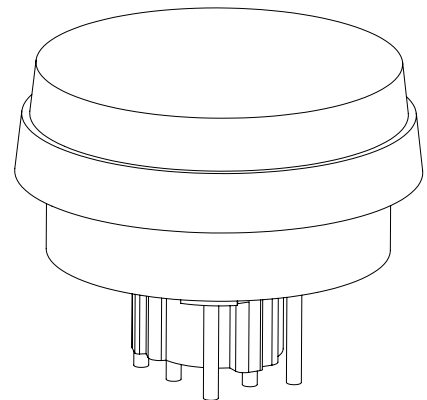
### PHOTOCELL + RECEPTACLE (PCR)

7-Pin Receptacle and Electronic Twist Lock Photocell for dusk to dawn operation.



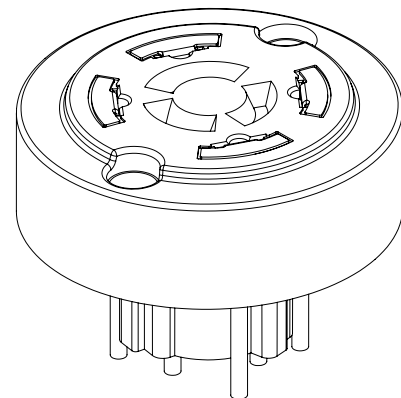
### RECEPTACLE + SHORTING CAP (PER)

7-Pin Receptacle and Shorting Cap.



### NEMA 7-PIN RECEPTACLE (PE7)

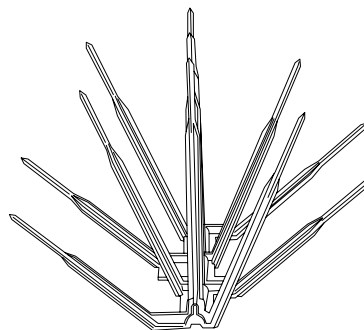
An ANSI C136.41-2013 receptacle provides electrical and mechanical interconnection between photo control cell and luminaire. Dimming receptacle available two or four dimming contacts supports 0-10 VDC dimming methods or Digital Addressable Lighting Interface (DALI), providing reliable power interconnect.



## PRODUCT SPECIFICATIONS

### BIRD SPIKES (BS)

Bird Deterrent offers effective and humane deterrent for larger bird species and provides cost-effective long-term solution to nuisance bird infestations and protect your property.



### MARINE GRADE FINISH (MGF)

The (MGF) is a multi step process. Chemically washed in a 5 stage cleaning system. Pre-baked. Powder coated 3-5 mil of Zinc Rich Super Durable Polyester Primer. Oven Baked.

Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.



#### Powder Coat Finish

3-5 mil Powder Coat

#### Primer Layer

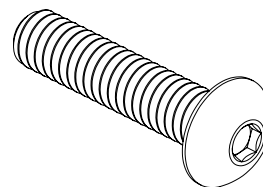
3-5 mil Zinc Rich Super Durable Polyester Primer

#### Prepared Casting

Chemically washed in multi Step 5 stage cleaning process

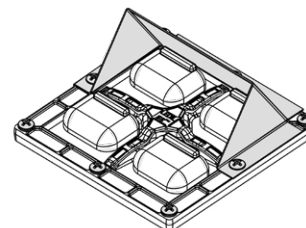
### TAMPER PROOF HARDWARE

316 Stainless Steel Button Head Hex Drive Screws. Provided to protect the optical assembly and the driver compartment for vandal resistance.



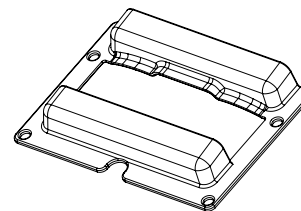
### AUTOMOTIVE HOUSE SIDE SHIELD

Automotive House Side Shield (AHS) is a single-sided shield allowing partial cut-off on either side or front of luminaire.



### HOUSE SIDE SHIELD (HSS)

House Side Shield (HSS) is designed for stringent property line cutoff. Injection Molded Glass Filled Nylon, standard finish is black.

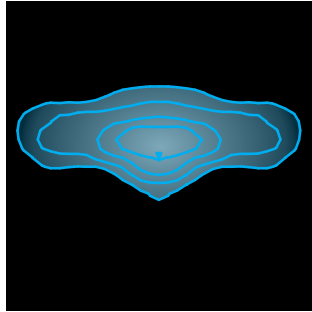
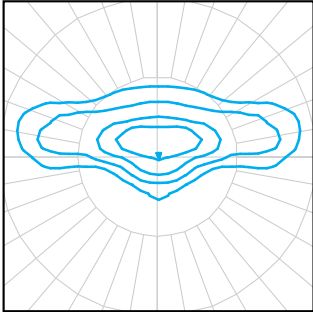


### SENSOR SPECIFICATION



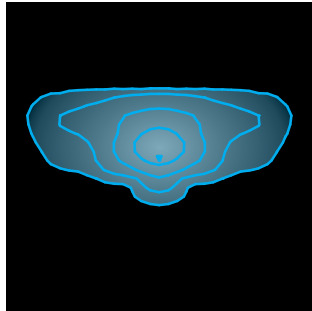
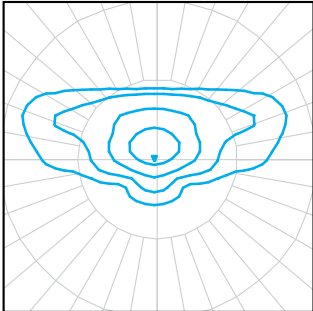
## PRODUCT SPECIFICATIONS

### IES DISTRIBUTIONS



#### T2 OPTIC

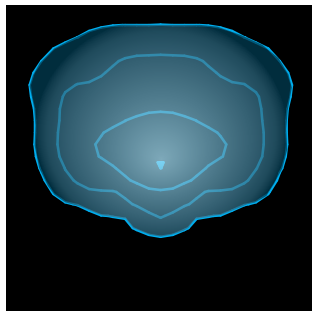
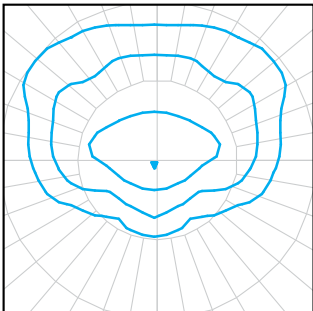
The Type II distribution is used for narrow pathways and trails, narrow entrances of shopping centers, parking lots and office complex's.



#### T3 OPTIC

The type III distribution is meant for roadway lighting, general parking areas and other areas where a larger area of lighting is required. Type III lighting needs to be placed to the side of the area, allowing the light to project outward and fill the area. This produces a filling light flow.

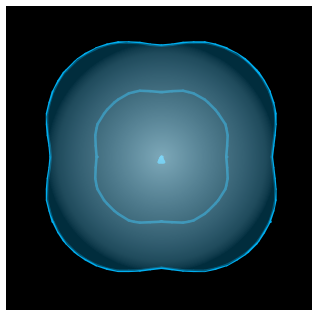
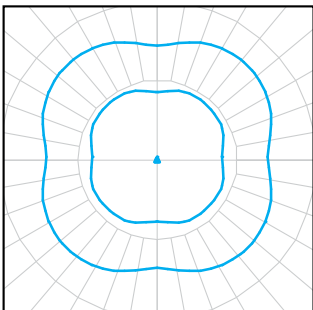
Type III light distributions have a preferred lateral width of 40 degrees. This distribution is intended for luminaires mounted at or near the side of medium width roadways or areas, where the width of the roadway or area does not exceed 2.75 times the mounting height.



#### T4 OPTIC

The type IV distribution produces a semicircular light meant for mounting on the sides of buildings and walls. It's best for illuminating the perimeter of parking areas and businesses. The intensity of the Type IV lighting has the same intensity at angles from 90 degrees to 270 degrees.

Type IV light distributions have a preferred lateral width of 60 degrees. This distribution is intended for side-of-road mounting and is generally used on wide roadways where the roadway width does not exceed 3.7 times the mounting height.



#### T5 OPTIC - SYMMETRICAL

Type V produces a symmetrical distribution that has the same intensity at all angles. This distribution has a uniform symmetry of candlepower that is essentially the same at all lateral angles. It is meant for large, commercial parking lot lighting as well as areas where sufficient, evenly distributed light is necessary.

### SILICONE OPTICS

NLS Lighting Silicone Micro Optical System technology takes quality and performance to the highest level. Vandal resistant, superior clarity—Micro Optics have become the best and lasting solution in the industry.

#### BENEFITS

- Produces superior 96% clarity
- Heat resistant to 150° C, 50% higher than acrylic
- Ecologically friendly—no glare
- Vandal-resistant
- Does not brittle, crack, or yellow over time

