

| | |
|---------------|-------|
| Project Name: | Type: |
| Part Number: | Date: |

ORBIT TRACK HEAD S

SPECIFICATION FEATURES

- **Mechanical** - Compact fixture body made from die cast aluminum and polycarbonate lens design provide high quality light to compliment any space. Polycarbonate fixture lens holder design allows accessories to easily hold or snap in place. Fixture bodies and matching accessories are available in matte black, matte white and silver.
- **Electrical** - Field select from 2 lumen outputs using SelectDrive technology. Universal 120V only, 50/60 Hz drivers available. 120V drivers are dimmable to 5% using TRIAC or ELV dimmers.
- **Optical** - Fixture rotates 350° and tilts up to 120°. 15° Spot, 25° Narrow and 35° Flood beam angles available. Minimum 90 CRI with 2-step SDCM COB binning. Available in 2700K, 3000K, 3500K or 4000K CCT
- **Thermal** - Die cast heat sink maximizes passive thermal management and achieves a L70 rated lifetime of 50,000 hours. Ambient temperature rated from -22°F to 95°F (-30°C to 35°C).
- **Compliance and Warranty** - ETL Listed for dry locations. Complies with FCC 47CFR Part 15B consumer limits for EMI/RFI emissions. 5 year parts warranty for complete fixture. ENERGY STAR® listed. JA8 Certified to meet CA Title 24 requirements.



060223



ASSOCIATED PRODUCTS
[TRACK SYSTEM](#)

BENEFITS

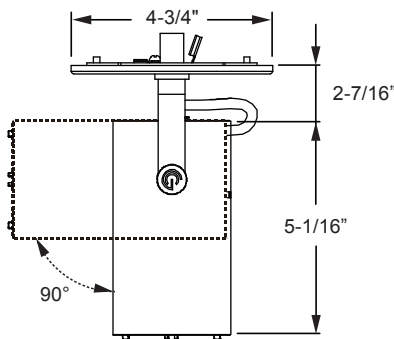
- Field selectable lumen output with SelectDrive technology.
- Compact cylindrical form factor compliments existing architecture.
- Matte black, white and silver finishes match existing track systems.
- H, J, and L track adapters with matching canopy mount available.
- Field interchangeable optics and accessories.

APPLICATIONS

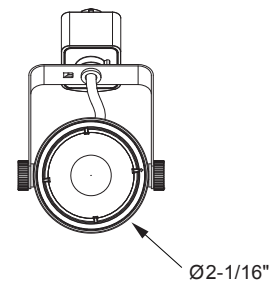
- Retail
- Residential
- Hospitality
- Commercial
- Libraries and museums

LINE DRAWINGS

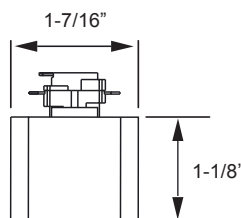
Canopy Mount



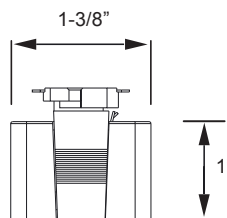
Track Mount



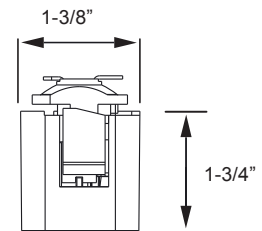
Adapters



H-Halo Track
For use with single circuit track applications



J-Juno Track
For use with single and two-circuit track applications



L-Lightlior Track
For use with single and two-circuit track applications



ORBIT TRACK HEAD S

ORDERING EXAMPLE















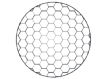

A complete fixture consists of Output, Adapter, CCT, Beam and Finish Selected

ORB/S/930/NR/DIM120V/H/BL

ORDERING INFORMATION

| Series | Lumen | CRI | CCT | Beam Angle | DRIVER | Adapter | Finish |
|---|---|---|---|--|--|--|--|
| <input checked="" type="checkbox"/> ORB ORBIT | <input checked="" type="checkbox"/> S Small 700 / 1,000 lumens | <input checked="" type="checkbox"/> 9 CRI 90+ | <input type="checkbox"/> 27 2700K | <input type="checkbox"/> FL Flood 35° | <input checked="" type="checkbox"/> DIM120V 120V, 50/60 Hz, Forward and Reverse Phase Line Voltage Dimming to 5% | <input type="checkbox"/> H Halo | <input type="checkbox"/> WH White |
| | | | <input type="checkbox"/> 30 3000K | <input type="checkbox"/> NR Narrow 25° | | <input type="checkbox"/> J Juno | <input type="checkbox"/> BL Black |
| | | | <input type="checkbox"/> 35 3500K | <input type="checkbox"/> SP Spot 15° | | <input type="checkbox"/> L Lightolier | <input type="checkbox"/> SV Silver |
| | | | <input type="checkbox"/> 40 4000K | | | <input type="checkbox"/> CM Canopy Mount | |

ACCESSORIES ORDERING INFORMATION

| Product | Model | Description | Pictures | Product | Model | Description | Pictures |
|---------|---------------------------|---------------------------|---|---------|-------------------|--|---|
| 35365 | ORB/ACC/S/SN/WH | Small Snoot White |  | 35389 | ORB/LENS/S/LS | Small Lens Linear Spread |  |
| 35366 | ORB/ACC/S/SN/BL | Small Snoot Black |  | 35390 | ORB/LENS/S/SOL | Small Lens Solite |  |
| 35367 | ORB/ACC/S/SN/SV | Small Snoot Silver |  | 37051 | ORB/LENS/S/SQ3636 | Small - Square lens 36°x36° |  |
| 35368 | ORB/ACC/S/WW/WH | Small Wall Wash White |  | 36913 | ORB/LENS/S/CCT22 | Small - CCT Shift Lens 2700K to 2200K |  |
| 35369 | ORB/ACC/S/WW/BL | Small Wall Wash Black |  | 36914 | ORB/LENS/S/CCT24 | Small - CCT Shift Lens 2700K to 2400K |  |
| 35370 | ORB/ACC/S/WW/SV | Small Wall Wash Silver |  | 35353 | ORB/OPTIC/S/FL | Small Replacement Optic Flood 35° |  |
| 35371 | ORB/ACC/S/BD/BL | Small Barn Doors Black |  | 35354 | ORB/OPTIC/S/NR | Small Replacement Optic Narrow 25° |  |
| 35362 | ORB/ACC/S/HC ¹ | Small Honeycomb Louver |  | 35355 | ORB/OPTIC/S/SP | Small Replacement Optic Spot 15° |  |

¹ HC only comes in black finish.

TECHNICAL INFORMATION

| Dimming | Input Voltage | Input Frequency | Input Current | Input Power | THD Power | Power Factor |
|---|---------------|-----------------|---------------|-------------|-----------|--------------|
| 120V, Forward and reverse phase dimming to 5% | 120V | 50 / 60Hz | 150 / 200mA | 7 / 10W | <20% | >0.9 |

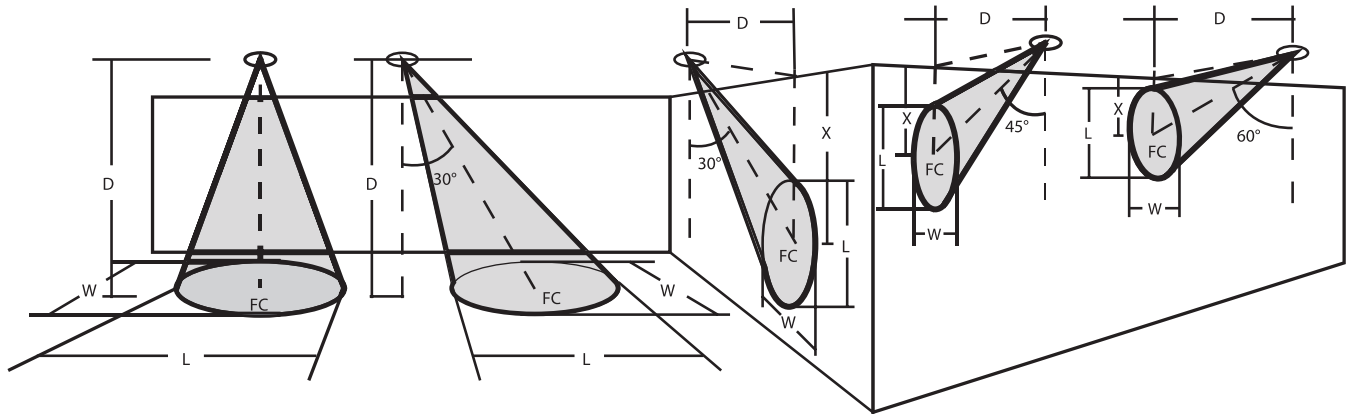


ORBIT TRACK HEAD S

PHOTOMETRY

Notes and Definitions:

- D=Distance to floor or wall
- FC=Footcandles on floor or wall at center beam location
- L=Effective Visual Beam length in feet
- W=Effective Visual Beam width in feet
- X=In vertical aiming applications, (X) is the distance down to the center beam location



| 0° Horizontal Aiming Angle | | | | 30° Horizontal Aiming Angle | | | | 30° Vertical Aiming Angle | | | | 45° Vertical Aiming Angle | | | | 60° Vertical Aiming Angle | | | |
|---|-------|-----|-----|--|-------|------|------|---|-------|------|-----|--|-------|-----|-----|---------------------------|-------|------|------|
| ORB/S/930/SP/DIM120V/xx/yy High Output (6.6W) Lumens: 645 Beam Angle: SPOT 17° CCT: 3000K CBCP: 5,079 | | | | ORB/S/930/NR/DIM120V/xx/yy Low Output (6.6W) Lumens: 643 Beam Angle: NARROW 27° CCT: 3000K CBCP: 2,482 | | | | ORB/S/930/FL/DIM120V/xx/yy Low Output (6.6W) Lumens: 650 Beam Angle: FLOOD 35° CCT: 3000K CBCP: 1,719 | | | | ORB/S/930/SP/DIM120V/xx/yy Low Output (10W) Lumens: 981.65 Beam Angle: SPOT 17° CCT: 3000K CBCP: 7,923 | | | | | | | |
| D | FC | L | W | D | FC | L | W | D | FC | L | W | D | FC | L | W | D | FC | L | W |
| 6 | 141.1 | 1.8 | 1.8 | 6 | 105.8 | 2.4 | 2.1 | 3 | 141.1 | 3.8 | 1.8 | 3 | 282.2 | 1.8 | 1.0 | 3 | 105.8 | 2.4 | 2.1 |
| 8 | 79.4 | 2.4 | 2.4 | 8 | 59.5 | 3.2 | 2.8 | 4 | 79.4 | 5.1 | 2.4 | 4 | 158.7 | 2.4 | 1.4 | 4 | 59.5 | 3.2 | 2.8 |
| 10 | 50.8 | 3.0 | 3.0 | 10 | 38.1 | 4.0 | 3.5 | 5 | 50.8 | 6.4 | 3.0 | 5 | 101.6 | 3.1 | 1.7 | 5 | 38.1 | 4.0 | 3.5 |
| 12 | 35.3 | 3.6 | 3.6 | 12 | 26.5 | 4.8 | 4.1 | 6 | 35.3 | 7.7 | 3.6 | 6 | 70.5 | 3.7 | 2.1 | 6 | 26.5 | 4.8 | 4.1 |
| 14 | 25.9 | 4.2 | 4.2 | 14 | 19.4 | 5.6 | 4.8 | 7 | 25.9 | 9.0 | 4.2 | 7 | 51.8 | 4.3 | 2.4 | 7 | 19.4 | 5.6 | 4.8 |
| 6 | 68.9 | 2.9 | 2.9 | 6 | 51.7 | 3.9 | 3.3 | 3 | 68.9 | 7.0 | 2.9 | 3 | 137.9 | 3.1 | 1.7 | 3 | 51.7 | 3.9 | 3.3 |
| 8 | 38.8 | 3.9 | 3.9 | 8 | 29.1 | 5.2 | 4.5 | 4 | 38.8 | 9.3 | 3.9 | 4 | 77.6 | 4.1 | 2.2 | 4 | 29.1 | 5.2 | 4.5 |
| 10 | 24.8 | 4.8 | 4.8 | 10 | 18.6 | 6.6 | 5.6 | 5 | 24.8 | 11.7 | 4.8 | 5 | 49.6 | 5.1 | 2.8 | 5 | 18.6 | 6.6 | 5.6 |
| 12 | 17.2 | 5.8 | 5.8 | 12 | 12.9 | 7.9 | 6.7 | 6 | 17.2 | 14.0 | 5.8 | 6 | 34.5 | 6.1 | 3.3 | 6 | 12.9 | 7.9 | 6.7 |
| 14 | 12.7 | 6.7 | 6.7 | 14 | 9.5 | 9.2 | 7.8 | 7 | 12.7 | 16.3 | 6.7 | 7 | 25.3 | 7.2 | 3.9 | 7 | 9.5 | 9.2 | 7.8 |
| 6 | 47.8 | 3.8 | 3.8 | 6 | 35.8 | 5.2 | 4.4 | 3 | 47.7 | 10.8 | 3.8 | 3 | 95.5 | 4.2 | 2.2 | 3 | 35.8 | 5.2 | 4.4 |
| 8 | 26.9 | 5.1 | 5.1 | 8 | 20.1 | 7.0 | 5.8 | 4 | 26.9 | 14.5 | 5.1 | 4 | 53.7 | 5.6 | 2.9 | 4 | 20.1 | 7.0 | 5.8 |
| 10 | 17.2 | 6.3 | 6.3 | 10 | 12.9 | 8.7 | 7.3 | 5 | 17.2 | 18.1 | 6.3 | 5 | 34.4 | 7.0 | 3.7 | 5 | 12.9 | 8.7 | 7.3 |
| 12 | 11.9 | 7.6 | 7.6 | 12 | 9.0 | 10.5 | 8.8 | 6 | 11.9 | 21.7 | 7.6 | 6 | 23.9 | 8.4 | 4.4 | 6 | 9.0 | 10.5 | 8.8 |
| 14 | 8.8 | 8.9 | 8.9 | 14 | 6.6 | 12.2 | 10.2 | 7 | 8.8 | 25.3 | 8.9 | 7 | 17.5 | 9.8 | 5.1 | 7 | 6.6 | 12.2 | 10.2 |
| 6 | 220.1 | 1.8 | 1.8 | 6 | 165.1 | 2.4 | 2.1 | 3 | 220.1 | 3.8 | 1.8 | 3 | 440.1 | 1.8 | 1.0 | 3 | 165.1 | 2.4 | 2.07 |
| 8 | 123.8 | 2.4 | 2.4 | 8 | 92.8 | 3.2 | 2.8 | 4 | 123.8 | 5.1 | 2.4 | 4 | 247.6 | 2.4 | 1.4 | 4 | 92.8 | 3.2 | 2.76 |
| 10 | 79.2 | 3.0 | 3.0 | 10 | 59.4 | 4.0 | 3.5 | 5 | 79.2 | 6.4 | 3.0 | 5 | 158.5 | 3.1 | 1.7 | 5 | 59.4 | 4.0 | 3.45 |
| 12 | 55.0 | 3.6 | 3.6 | 12 | 41.3 | 4.8 | 4.1 | 6 | 55.0 | 7.7 | 3.6 | 6 | 110.0 | 3.7 | 2.1 | 6 | 41.3 | 4.8 | 4.14 |
| 14 | 40.4 | 4.2 | 4.2 | 14 | 30.3 | 5.6 | 4.8 | 7 | 40.4 | 9.0 | 4.2 | 7 | 80.8 | 4.3 | 2.4 | 7 | 30.3 | 5.6 | 4.83 |



ORBIT TRACK HEAD S

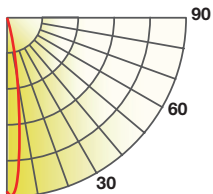
PHOTOMETRY

| ORB/S/930/NR/DIM120V/xx/yy | | | | High Output (10W) | | | | Lumens: 959.35 | | | | Beam Angle: NARROW 27° | | | | CCT: 3000K | | | | CBCP: 3,444 | | | |
|----------------------------|------|-----|-----|-------------------|------|-----|-----|----------------|------|------|-----|------------------------|-------|-----|-----|------------|------|-----|-----|-------------|----|---|---|
| D | FC | L | W | D | FC | L | W | D | FC | L | W | D | FC | L | W | D | FC | L | W | D | FC | L | W |
| 6 | 95.7 | 2.9 | 2.9 | 6 | 71.8 | 3.9 | 3.3 | 3 | 95.7 | 7.0 | 2.9 | 3 | 191.3 | 3.1 | 1.7 | 3 | 71.7 | 3.9 | 3.3 | | | | |
| 8 | 53.8 | 3.9 | 3.9 | 8 | 40.4 | 5.2 | 4.5 | 4 | 53.8 | 9.3 | 3.9 | 4 | 107.6 | 4.1 | 2.2 | 4 | 40.4 | 5.2 | 4.5 | | | | |
| 10 | 34.4 | 4.8 | 4.8 | 10 | 25.8 | 6.6 | 5.6 | 5 | 34.4 | 11.7 | 4.8 | 5 | 68.9 | 5.1 | 2.8 | 5 | 25.8 | 6.6 | 5.6 | | | | |
| 12 | 23.9 | 5.8 | 5.8 | 12 | 17.9 | 7.9 | 6.7 | 6 | 23.9 | 14.0 | 5.8 | 6 | 47.8 | 6.1 | 3.3 | 6 | 17.9 | 7.9 | 6.7 | | | | |
| 14 | 17.6 | 6.7 | 6.7 | 14 | 13.2 | 9.2 | 7.8 | 7 | 17.6 | 16.3 | 6.7 | 7 | 35.1 | 7.2 | 3.9 | 7 | 13.2 | 9.2 | 7.8 | | | | |

| ORB/S/930/FL/DIM120V/xx/yy | | | | High Output (10W) | | | | Lumens: 963.71 | | | | Beam Angle: FLOOD 35° | | | | CCT: 3000K | | | | CBCP: 2,522 | | | |
|----------------------------|------|-----|-----|-------------------|------|------|------|----------------|------|------|-----|-----------------------|-------|-----|-----|------------|------|------|------|-------------|----|---|---|
| D | FC | L | W | D | FC | L | W | D | FC | L | W | D | FC | L | W | D | FC | L | W | D | FC | L | W |
| 6 | 70.1 | 3.8 | 3.8 | 6 | 52.5 | 5.2 | 4.4 | 3 | 70.1 | 10.9 | 3.8 | 3 | 140.1 | 4.2 | 2.2 | 3 | 52.6 | 5.2 | 4.4 | | | | |
| 8 | 39.4 | 5.1 | 5.1 | 8 | 29.6 | 7.0 | 5.9 | 4 | 39.4 | 14.5 | 5.1 | 4 | 78.8 | 5.6 | 2.9 | 4 | 29.6 | 7.0 | 5.8 | | | | |
| 10 | 25.2 | 6.3 | 6.3 | 10 | 18.9 | 8.7 | 7.3 | 5 | 25.2 | 18.1 | 6.3 | 5 | 50.4 | 7.0 | 3.7 | 5 | 18.9 | 8.7 | 7.3 | | | | |
| 12 | 17.5 | 7.6 | 7.6 | 12 | 13.1 | 10.5 | 8.8 | 6 | 17.5 | 21.7 | 7.6 | 6 | 35.0 | 8.4 | 4.4 | 6 | 13.1 | 10.5 | 8.8 | | | | |
| 14 | 12.9 | 8.9 | 8.9 | 14 | 9.7 | 12.2 | 10.2 | 7 | 12.9 | 25.3 | 8.9 | 7 | 25.7 | 9.8 | 5.1 | 7 | 9.7 | 12.2 | 10.2 | | | | |

ORB/S/930/SP/DIM120V/xx/yy Low Output (7W)

Lumens: 645lm
CBCP: 5,079cd
Power: 6.6W
Efficacy: 97.7lm/W
CRI: 90
Spacing Criteria: 0.3
Beam Angle: 17°

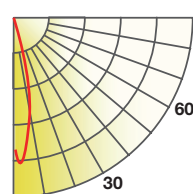


SPOT

| Degree | Candela |
|--------|---------|
| 0 | 5,079 |
| 15 | 696 |
| 25 | 139 |
| 35 | 29 |
| 45 | 14 |

ORB/S/930/SP/DIM120V/xx/yy High Output (10W)

Lumens: 982lm
CBCP: 7,923cd
Power: 10W
Efficacy: 100lm/W
CRI: 90
Spacing Criteria: 0.28
Beam Angle: 17°

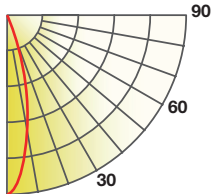


SPOT

| Degree | Candela |
|--------|---------|
| 0 | 7,923 |
| 15 | 1,056 |
| 25 | 188 |
| 35 | 36 |
| 45 | 18 |

ORB/S/930/NR/DIM120V/xx/yy Low Output (7W)

Lumens: 643lm
CBCP: 2,482cd
Power: 6.6W
Efficacy: 97.3lm/W
CRI: 90
Spacing Criteria: 0.42
Beam Angle: 27.1°

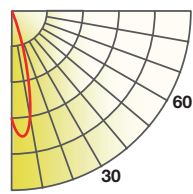


NARROW

| Degree | Candela |
|--------|---------|
| 0 | 2,482 |
| 15 | 922 |
| 25 | 199 |
| 35 | 68 |
| 45 | 30 |

ORB/S/930/NR/DIM120V/xx/yy High Output (10W)

Lumens: 959lm
CBCP: 3,444cd
Power: 10W
Efficacy: 98lm/W
CRI: 90
Spacing Criteria: 0.44
Beam Angle: 27.1°

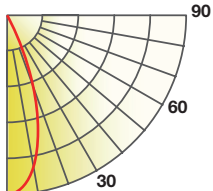


NARROW

| Degree | Candela |
|--------|---------|
| 0 | 3,444 |
| 15 | 1,471 |
| 25 | 316 |
| 35 | 108 |
| 45 | 32 |

ORB/S/930/FL/DIM120V/xx/yy Low Output (7W)

Lumens: 650lm
CBCP: 1,719cd
Power: 6.6W
Efficacy: 98.48lm/W
CRI: 90
Spacing Criteria: 0.54
Beam Angle: 35.1°

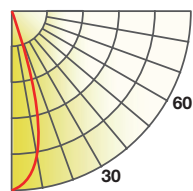


FLOOD

| Degree | Candela |
|--------|---------|
| 0 | 1,719 |
| 15 | 1,037 |
| 25 | 272 |
| 35 | 68 |
| 45 | 27 |

ORB/S/930/FL/DIM120V/xx/yy High Output (10W)

Lumens: 964lm
CBCP: 2,522cd
Power: 10W
Efficacy: 99lm/W
CRI: 90
Spacing Criteria: 0.53
Beam Angle: 35.1°



FLOOD

| Degree | Candela |
|--------|---------|
| 0 | 2,522 |
| 15 | 1,576 |
| 25 | 416 |
| 35 | 96 |
| 45 | 37 |

PERFORMANCE

| Series | Beam Angle | 2700K | | | 3000K | | | 3500K | | | 4000K | | |
|---------------------|------------|-------------|-----------------|-----------|-------------|-----------------|-----------|-------------|-----------------|-----------|-------------|-----------------|-----------|
| | | Output (lm) | Efficacy (lm/W) | CBCP (cd) | Output (lm) | Efficacy (lm/W) | CBCP (cd) | Output (lm) | Efficacy (lm/W) | CBCP (cd) | Output (lm) | Efficacy (lm/W) | CBCP (cd) |
| ORBIT S Low Output | Spot 15° | 658 | 94 | 4,935 | 700 | 100 | 5,250 | 728 | 104 | 5,460 | 735 | 105 | 5,512 |
| | Narrow 25° | 658 | 94 | 2,303 | 700 | 100 | 2,450 | 728 | 104 | 2,548 | 735 | 105 | 2,572 |
| | Flood 35° | 658 | 94 | 1,711 | 700 | 100 | 1,820 | 728 | 104 | 1,893 | 735 | 105 | 1,911 |
| ORBIT S High Output | Spot 15° | 940 | 94 | 7,050 | 1000 | 100 | 7,500 | 1040 | 104 | 7,800 | 1050 | 105 | 7,875 |
| | Narrow 25° | 940 | 94 | 3,290 | 1000 | 100 | 3,500 | 1040 | 104 | 3,640 | 1050 | 105 | 3,675 |
| | Flood 35° | 940 | 94 | 2,444 | 1000 | 100 | 2,600 | 1040 | 104 | 2,704 | 1050 | 105 | 2,730 |

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