

NAPF-3RDN

3" Apollo Round Flanged Downlight

PRODUCT DESCRIPTION

3" Apollo flanged downlights feature exceptional glare control and 45° visual cutoff for a quiet ceiling appearance.

FEATURES

- Precision-crafted 0.38" micro flange
- Architectural grade finishes
- Exceptional glare control with 45° cut off
- Compatible with adjustable LED mechanism (361° rotation & 45° tilt)
- cULus Listed for wet locations when used with lens

SPECIFICATION

Trim: Die-cast aluminum construction with architectural grade finishes. Protective e-coating for corrosion protection and durability.

Lens: Luminaire can be specified with clear or frosted lens (pre-installed). Wet location rated when used with lens.

Mounting: Trim easily installs into housing collar for installation.

COMPATIBLE HOUSINGS

| CATALOG NO. | DESCRIPTION |
|----------------------------|---|
| NHAP-3R | 3" Apollo Non-IC Air-Tight New Construction Housing with Field Changeable Optics (2000lm to 3000lm) |
| NHAPIC-3R | 3" Apollo IC Air-Tight New Construction Housing with Field Changeable Optics (1000lm to 2000lm) |
| NHAPNIC-3R | 3" Apollo IC Air-Tight New Construction Housing with Fixed Narrow Spot Optics (800lm to 1500lm) |

LABELS AND LISTINGS

cULus Listed for Damp Locations (Wet Locations when used with lens)



Type

Project

Catalog No.

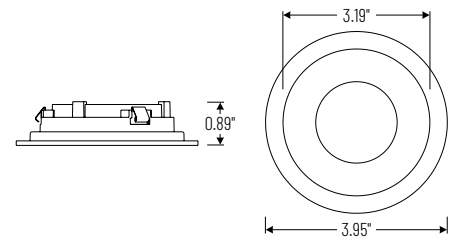
Notes

| Performance Data @ 4000K & Matte Powder White finish | | | | | |
|--|-------|--------|--------|--------|--------|
| Optic | L1 | L2 | L3 | L4 | L5 |
| 10° NSP | 922lm | | | | |
| 12° NSP | | 1084lm | | | |
| 15° NSP | | | 1555lm | | |
| Spot | 962lm | 1446lm | 1922lm | 2291lm | 2669lm |
| NFL | 954lm | 1434lm | 1906lm | 2306lm | 2696lm |
| Flood | 892lm | 1341lm | 1782lm | 2212lm | 2496lm |

Delivered lumens will vary depending on optic, finish, CCT and lens

APOLLO

PRODUCT IMAGES AND DIMENSIONS



NAPF-3RDNB
Black Reflector
Self Flanged



NAPF-3RDNBZ
Bronze Reflector
Self Flanged



NAPF-3RDNHZMPW
Haze Reflector
White Flange



NAPF-3RDNMPW
White Reflector
Self Flanged



NAPF-3RDNWD
Wheat Diffused Reflector
Self Flanged

3" Apollo Round Flanged Downlight

| Finish | Optional Lens |
|--|--|
| NAPF-3RDNB = Black Reflector / Self Flanged | (blank) = No Lens |
| NAPF-3RDNBZ = Bronze Reflector / Self Flanged | /CL = Clear Lens (Wet Location) |
| NAPF-3RDNHZMPW = Haze Reflector / White Flange | /FL = Frosted Lens (Wet Location) |
| NAPF-3RDNMPW = White Reflector / Self Flanged | |
| NAPF-3RDNWD = Wheat Diffused Reflector / Self Flanged | |

Example: **NAPF-3RDNMPW** = 3" Round Flanged Downlight, White Reflector / Self Flanged

PHOTOMETRICS

3" Apollo Round Flanged Downlight with Fixed Narrow Spot Optics 800 to 1500 lumens

Type

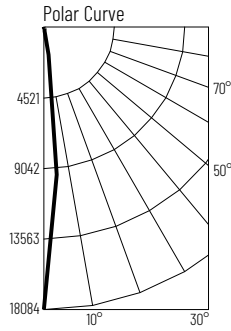
Project

Catalog No.

Notes

Test Information

Test Number: NTRA1864R1
Part Number:
NHAPNIC-3R05L14010D / NAPF-3RDNMPW
Beam Spread: 10° Narrow Spot
Lumens: 922lm
Wattage: 20.96W
Efficacy: 44lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.2
Spacing Criteria (90°-270°): 0.2



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 8' | 283fc | 1'-6" |
| 10' | 181fc | 1'-10" |
| 12' | 126fc | 2'-2" |
| 14' | 92.3fc | 2'-7" |
| 16' | 70.6fc | 2'-11" |

Zonal Lumen Summary

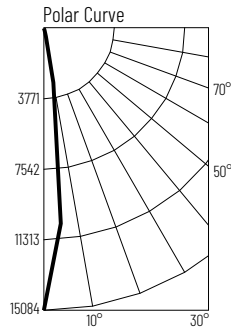
| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 888 | 96.3 |
| 0-40 | 907 | 98.3 |
| 0-60 | 920 | 99.7 |
| 0-90 | 922 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 922 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 18084 |
| 5 | 9483 |
| 15 | 233 |
| 25 | 95 |
| 35 | 56 |
| 45 | 22 |

Test Information

Test Number: NTRA1292R2
Part Number:
NHAPNIC-3R05L24012D / NAPF-3RDNMPW
Beam Spread: 13° Narrow Spot
Lumens: 1084lm
Wattage: 20.39W
Efficacy: 53lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.28
Spacing Criteria (90°-270°): 0.3



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 8' | 236fc | 1'-11" |
| 10' | 151fc | 2'-4" |
| 12' | 105fc | 2'-10" |
| 14' | 77fc | 3'-4" |
| 16' | 58.9fc | 3'-10" |

Zonal Lumen Summary

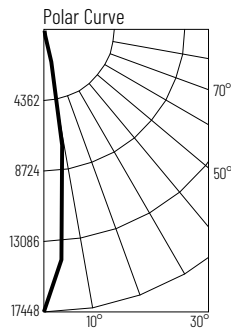
| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 1053 | 97.1 |
| 0-40 | 1070 | 98.6 |
| 0-60 | 1081 | 99.7 |
| 0-90 | 1084 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 1084 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 15084 |
| 5 | 11493 |
| 15 | 609 |
| 25 | 88 |
| 35 | 50 |
| 45 | 21 |

Test Information

Test Number: NTRA1296R2
Part Number:
NHAPNIC-3R05L34015D / NAPF-3RDNMPW
Beam Spread: 16° Narrow Spot
Lumens: 1555lm
Wattage: 22.81W
Efficacy: 68lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.28
Spacing Criteria (90°-270°): 0.34



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 12' | 121fc | 3'-4" |
| 14' | 89fc | 3'-11" |
| 16' | 68.2fc | 4'-6" |
| 18' | 53.9fc | 5' |
| 20' | 43.6fc | 5'-7" |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 1523 | 97.9 |
| 0-40 | 1535 | 98.7 |
| 0-60 | 1550 | 99.6 |
| 0-90 | 1555 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 1555 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 17448 |
| 5 | 13495 |
| 15 | 1492 |
| 25 | 68 |
| 35 | 20 |
| 45 | 20 |

Lumen Output Multipliers

Color Temperature: 2700K (0.92), 3000K (0.95), 3500K (0.98), 4000K (1.00)

Finish Multipliers

Finish: Black (0.99), Bronze (0.98), Haze (0.99), White (1.00), Wheat Diffused (0.99)

PHOTOMETRICS

3" Apollo Round Flanged Downlight with Field Changeable Optics 1000 lumens

Type

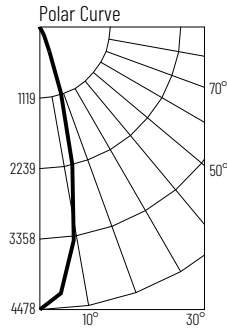
Project

Catalog No.

Notes

Test Information

Test Number: NTRA1028R3
Part Number:
NHAPIC-3R05L14025D / NAPF-3RDNMPW
Beam Spread: 26° Spot
Lumens: 962lm
Wattage: 9.52W
Efficacy: 101lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.46
Spacing Criteria (90°-270°): 0.44



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4' | 280fc | 1'-11" |
| 6' | 124fc | 2'-10" |
| 8' | 70fc | 3'-8" |
| 10' | 44.8fc | 4'-7" |
| 12' | 31.1fc | 5'-7" |

Zonal Lumen Summary

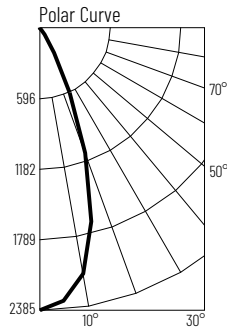
| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 942 | 98 |
| 0-40 | 953 | 99.1 |
| 0-60 | 959 | 99.7 |
| 0-90 | 962 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 962 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 4478 |
| 5 | 4114 |
| 15 | 1732 |
| 25 | 210 |
| 35 | 14 |
| 45 | 7 |

Test Information

Test Number: NTRA1029R3
Part Number:
NHAPIC-3R05L14040D / NAPF-3RDNMPW
Beam Spread: 37° Narrow Flood
Lumens: 954lm
Wattage: 9.52W
Efficacy: 100lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.64
Spacing Criteria (90°-270°): 0.64



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4' | 149fc | 2'-10" |
| 6' | 66.2fc | 4'-1" |
| 8' | 37.3fc | 5'-6" |
| 10' | 23.8fc | 6'-11" |
| 12' | 16.6fc | 8'-4" |

Zonal Lumen Summary

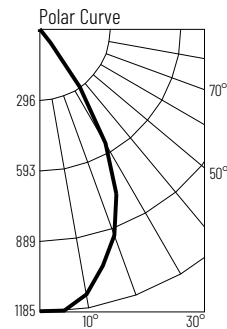
| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 906 | 95 |
| 0-40 | 946 | 99.1 |
| 0-60 | 951 | 99.6 |
| 0-90 | 954 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 954 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 2385 |
| 5 | 2326 |
| 15 | 1670 |
| 25 | 514 |
| 35 | 29 |
| 45 | 5 |

Test Information

Test Number: NTRA1030R3
Part Number:
NHAPIC-3R05L14055D / NAPF-3RDNMPW
Beam Spread: 55° Flood
Lumens: 892lm
Wattage: 9.52W
Efficacy: 94lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.90
Spacing Criteria (90°-270°): 0.88



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4' | 74.1fc | 4'-2" |
| 6' | 32.9fc | 6'-5" |
| 8' | 18.5fc | 8'-6" |
| 10' | 11.9fc | 10'-7" |
| 12' | 8.2fc | 12'-8" |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 629 | 70.5 |
| 0-40 | 842 | 94.4 |
| 0-60 | 889 | 99.6 |
| 0-90 | 892 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 892 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 1185 |
| 5 | 1172 |
| 15 | 1055 |
| 25 | 733 |
| 35 | 232 |
| 45 | 6 |

Lumen Output Multipliers

Color Temperature: 2700K (0.9), 3000K (0.97), 3500K (0.99), 4000K (1.00)

Finish Multipliers

Finish: Black (0.99), Bronze (0.98), Haze (0.99), White (1.00), Wheat Diffused (0.99)

PHOTOMETRICS

3" Apollo Round Flanged Downlight with Field Changeable Optics 1500 lumens

Type

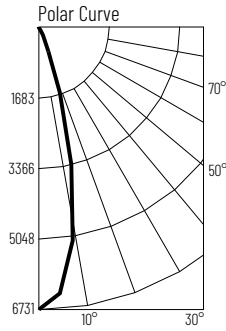
Project

Catalog No.

Notes

Test Information

Test Number: NTRA1040R3
Part Number:
NHAPIC-3R05L24025D / NAPF-3RDNMPW
Beam Spread: 26° Spot
Lumens: 1446lm
Wattage: 14.49W
Efficacy: 100lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.46
Spacing Criteria (90°-270°): 0.44



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 8' | 105fc | 3'-8" |
| 10' | 67.3fc | 4'-7" |
| 12' | 46.7fc | 5'-7" |
| 14' | 34.3fc | 6'-6" |
| 16' | 26.3fc | 7'-5" |

Zonal Lumen Summary

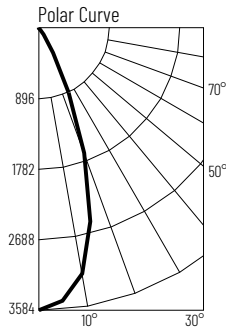
| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 1416 | 98 |
| 0-40 | 1433 | 99.1 |
| 0-60 | 1441 | 99.7 |
| 0-90 | 1446 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 1446 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 6731 |
| 5 | 6184 |
| 15 | 2604 |
| 25 | 316 |
| 35 | 21 |
| 45 | 10 |

Test Information

Test Number: NTRA1041R3
Part Number:
NHAPIC-3R05L24040D / NAPF-3RDNMPW
Beam Spread: 37° Narrow Flood
Lumens: 1434lm
Wattage: 14.49W
Efficacy: 99lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.64
Spacing Criteria (90°-270°): 0.64



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 8' | 56fc | 5'-6" |
| 10' | 35.8fc | 6'-11" |
| 12' | 24.9fc | 8'-4" |
| 14' | 18.3fc | 9'-7" |
| 16' | 14fc | 11' |

Zonal Lumen Summary

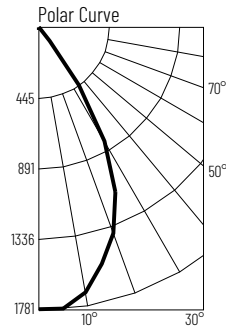
| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 1362 | 95 |
| 0-40 | 1422 | 99.1 |
| 0-60 | 1429 | 99.6 |
| 0-90 | 1434 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 1434 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 3584 |
| 5 | 3496 |
| 15 | 2510 |
| 25 | 773 |
| 35 | 44 |
| 45 | 8 |

Test Information

Test Number: NTRA1042R3
Part Number:
NHAPIC-3R05L24055D / NAPF-3RDNMPW
Beam Spread: 55° Flood
Lumens: 1341lm
Wattage: 14.49W
Efficacy: 93lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.9
Spacing Criteria (90°-270°): 0.88



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 8' | 27.8fc | 8'-6" |
| 10' | 17.8fc | 10'-7" |
| 12' | 12.fc | 12'-8" |
| 14' | 9.1fc | 14'-11" |
| 16' | 7fc | 17' |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 946 | 70.5 |
| 0-40 | 1265 | 94.4 |
| 0-60 | 1336 | 99.6 |
| 0-90 | 1341 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 1341 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 1781 |
| 5 | 1761 |
| 15 | 1585 |
| 25 | 1101 |
| 35 | 348 |
| 45 | 8 |

Lumen Output Multipliers

Color Temperature: 2700K (0.9), 3000K (0.97), 3500K (0.99), 4000K (1.00)

Finish Multipliers

Finish: Black (0.99), Bronze (0.98), Haze (0.99), White (1.00), Wheat Diffused (0.99)

PHOTOMETRICS

3" Apollo Round Flanged Downlight with Field Changeable Optics 2000 lumens

Type

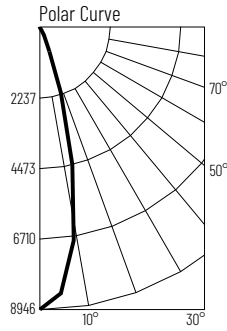
Project

Catalog No.

Notes

Test Information

Test Number: NTRA1001R3
Part Number:
NHAPIC-3R05L34025D / NAPF-3RDNMPW
Beam Spread: 26° Spot
Lumens: 1922lm
Wattage: 20.02W
Efficacy: 96lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.46
Spacing Criteria (90°-270°): 0.44



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 12' | 62.1fc | 5'-7" |
| 14' | 45.6fc | 6'-6" |
| 16' | 34.9fc | 7'-5" |
| 18' | 27.6fc | 8'-5" |
| 20' | 22.4fc | 9'-4" |

Zonal Lumen Summary

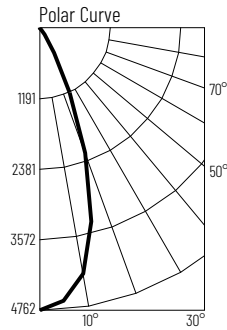
| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 1882 | 98 |
| 0-40 | 1905 | 99.1 |
| 0-60 | 1915 | 99.7 |
| 0-90 | 1922 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 1922 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 8946 |
| 5 | 8219 |
| 15 | 3460 |
| 25 | 420 |
| 35 | 28 |
| 45 | 13 |

Test Information

Test Number: NTRA1002R3
Part Number:
NHAPIC-3R05L34040D / NAPF-3RDNMPW
Beam Spread: 37° Narrow Flood
Lumens: 1906lm
Wattage: 20.02W
Efficacy: 95lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.64
Spacing Criteria (90°-270°): 0.64



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 12' | 33.1fc | 8'-4" |
| 14' | 24.3fc | 9'-7" |
| 16' | 18.6fc | 11' |
| 18' | 14.7fc | 12'-5" |
| 20' | 11.9fc | 13'-10" |

Zonal Lumen Summary

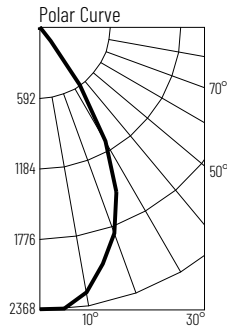
| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 1810 | 95 |
| 0-40 | 1889 | 99.1 |
| 0-60 | 1899 | 99.6 |
| 0-90 | 1906 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 1906 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 4762 |
| 5 | 4645 |
| 15 | 3335 |
| 25 | 1027 |
| 35 | 58 |
| 45 | 10 |

Test Information

Test Number: NTRA1003R3
Part Number:
NHAPIC-3R05L34055D / NAPF-3RDNMPW
Beam Spread: 55° Flood
Lumens: 1782lm
Wattage: 20.02W
Efficacy: 89lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.9
Spacing Criteria (90°-270°): 0.88



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 12' | 16.0fc | 12'-8" |
| 14' | 12.1fc | 14'-11" |
| 16' | 9.3fc | 17' |
| 18' | 7.3fc | 19'-1" |
| 20' | 5.9fc | 21'-2" |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 1257 | 70.5 |
| 0-40 | 1682 | 94.4 |
| 0-60 | 1776 | 99.6 |
| 0-90 | 1782 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 1782 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 2368 |
| 5 | 2341 |
| 15 | 2107 |
| 25 | 1464 |
| 35 | 463 |
| 45 | 11 |

Lumen Output Multipliers

Color Temperature: 2700K (0.9), 3000K (0.97), 3500K (0.99), 4000K (1.00)

Finish Multipliers

Finish: Black (0.99), Bronze (0.98), Haze (0.99), White (1.00), Wheat Diffused (0.99)

PHOTOMETRICS

3" Apollo Round Flanged Downlight with Field Changeable Optics 2500 lumens

Type

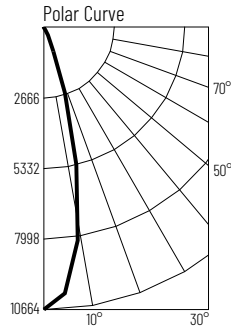
Project

Catalog No.

Notes

Test Information

Test Number: NTRA1061R4
Part Number:
NHAP-3R05L44025D / NAPF-3RDNMPW
Beam Spread: 26° Spot
Lumens: 2291lm
Wattage: 25.6W
Efficacy: 89lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.46
Spacing Criteria (90°-270°): 0.44



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 16' | 34.9fc | 7'-5" |
| 18' | 27.6fc | 8'-5" |
| 20' | 22.4fc | 9'-4" |
| 22' | 22fc | 10'-2" |
| 24' | 18.5fc | 11'-1" |

Zonal Lumen Summary

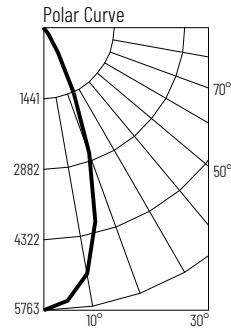
| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 2244 | 98 |
| 0-40 | 2270 | 99.1 |
| 0-60 | 2283 | 99.7 |
| 0-90 | 2291 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 2291 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 10664 |
| 5 | 9797 |
| 15 | 4125 |
| 25 | 500 |
| 35 | 33 |
| 45 | 15 |

Test Information

Test Number: NTRA1062R4
Part Number:
NHAP-3R05L44040D / NAPF-3RDNMPW
Beam Spread: 37° Narrow Flood
Lumens: 2306lm
Wattage: 25.6W
Efficacy: 90lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.64
Spacing Criteria (90°-270°): 0.64



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 16' | 18.6fc | 11' |
| 18' | 14.7fc | 12'-5" |
| 20' | 11.9fc | 13'-10" |
| 22' | 11.9fc | 15'-1" |
| 24' | 10fc | 16'-6" |

Zonal Lumen Summary

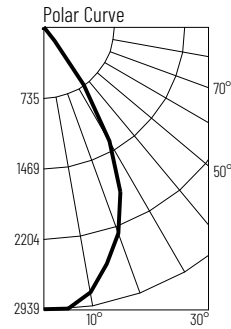
| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 2191 | 95 |
| 0-40 | 2286 | 99.1 |
| 0-60 | 2298 | 99.6 |
| 0-90 | 2306 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 2306 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 5763 |
| 5 | 5622 |
| 15 | 4036 |
| 25 | 1243 |
| 35 | 71 |
| 45 | 13 |

Test Information

Test Number: NTRA1063R4
Part Number:
NHAP-3R05L44055D / NAPF-3RDNMPW
Beam Spread: 55° Flood
Lumens: 2212lm
Wattage: 25.6W
Efficacy: 86lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.9
Spacing Criteria (90°-270°): 0.88



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 16' | 9.3fc | 17' |
| 18' | 7.3fc | 19'-1" |
| 20' | 5.9fc | 21'-2" |
| 22' | 6.1fc | 23'-4" |
| 24' | 5.1fc | 25'-6" |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 1560 | 70.5 |
| 0-40 | 2087 | 94.4 |
| 0-60 | 2204 | 99.6 |
| 0-90 | 2212 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 2212 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 2939 |
| 5 | 2905 |
| 15 | 2615 |
| 25 | 1817 |
| 35 | 575 |
| 45 | 14 |

Lumen Output Multipliers

Color Temperature: 2700K (0.9), 3000K (0.97), 3500K (0.99), 4000K (1.00)

Finish Multipliers

Finish: Black (0.99), Bronze (0.98), Haze (0.99), White (1.00), Wheat Diffused (0.99)

PHOTOMETRICS

3" Apollo Round Flanged Downlight with Field Changeable Optics 3000 lumens

Type

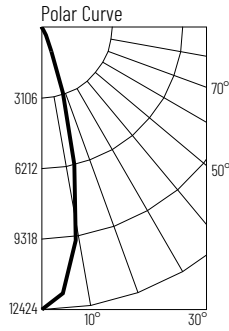
Project

Catalog No.

Notes

Test Information

Test Number: NTRA1533R1
Part Number:
NHAP-3R05L54025D / NAPF-3RDNPW
Beam Spread: 26° Spot
Lumens: 2669lm
Wattage: 30.37W
Efficacy: 88lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.46
Spacing Criteria (90°-270°): 0.44



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 20' | 31.1fc | 9'-4" |
| 22' | 25.7fc | 10'-2" |
| 24' | 21.6fc | 11'-1" |
| 26' | 18.4fc | 12'-1" |
| 28' | 15.8fc | 13' |

Zonal Lumen Summary

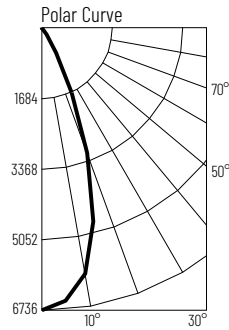
| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 2614 | 98 |
| 0-40 | 2645 | 99.1 |
| 0-60 | 2660 | 99.7 |
| 0-90 | 2669 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 2669 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 12424 |
| 5 | 11415 |
| 15 | 4805 |
| 25 | 583 |
| 35 | 39 |
| 45 | 18 |

Test Information

Test Number: NTRA1534R1
Part Number:
NHAP-3R05L54040D / NAPF-3RDNPW
Beam Spread: 37° Narrow Flood
Lumens: 2696lm
Wattage: 30.37W
Efficacy: 89lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.64
Spacing Criteria (90°-270°): 0.64



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 20' | 16'-10" | 13'-10" |
| 22' | 13.9fc | 15'-1" |
| 24' | 11.7fc | 16'-6" |
| 26' | 10fc | 17'-11" |
| 28' | 8.6fc | 19'-4" |

Zonal Lumen Summary

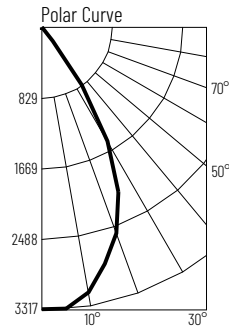
| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 2560 | 95 |
| 0-40 | 2673 | 99.1 |
| 0-60 | 2686 | 99.6 |
| 0-90 | 2696 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 2696 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 6736 |
| 5 | 6571 |
| 15 | 4718 |
| 25 | 1453 |
| 35 | 82 |
| 45 | 15 |

Test Information

Test Number: NTRA1535R1
Part Number:
NHAP-3R05L54055D / NAPF-3RDNPW
Beam Spread: 55° Flood
Lumens: 2496lm
Wattage: 30.37W
Efficacy: 82lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.9
Spacing Criteria (90°-270°): 0.88



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 20' | 8.3fc | 21'-2" |
| 22' | 6.9fc | 23'-4" |
| 24' | 5.8fc | 25'-6" |
| 26' | 4.9fc | 27'-7" |
| 28' | 4.2fc | 29'-8" |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 1761 | 70.5 |
| 0-40 | 2356 | 94.4 |
| 0-60 | 2487 | 99.6 |
| 0-90 | 2496 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 2496 | 100 |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 3317 |
| 5 | 3279 |
| 15 | 2952 |
| 25 | 2050 |
| 35 | 649 |
| 45 | 16 |

Lumen Output Multipliers

Color Temperature: 2700K (0.9), 3000K (0.97), 3500K (0.99), 4000K (1.00)

Finish Multipliers

Finish: Black (0.99), Bronze (0.98), Haze (0.99), White (1.00), Wheat Diffused (0.99)