

NAPT-3SDN

3" Apollo Square Trimless & Wood Ceiling Downlight

PRODUCT DESCRIPTION

3" Apollo flangeless downlights are compatible with millwork and drywall ceilings. Trimless applications require a mud plate and a drywall finisher. Quiet ceiling with exceptional glare control and 45° visual cutoff to the LED source.

FEATURES

- Flangeless knife-edge appearance
- Compatible with millwork and drywall applications
- 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 lens (pre-installed). Wet location rated when used with lens. Removal tool is available to remove trim with lens from below finished ceiling for maintenance (NIO-TLTOOL).

Mounting: Trim easily installs into housing collar for millwork installation. Mud plate is required ([NAP-TLMR-3S](#)) for trimless drywall installations.

COMPATIBLE HOUSINGS

CATALOG NO. DESCRIPTION

NHAP-3S	3" Apollo Non-IC Air-Tight New Construction Housing with Field Changeable Optics (2500lm or 3000lm)
NHAPIC-3S	3" Apollo IC Air-Tight New Construction Housing with Field Changeable Optics (1000lm to 2000lm)
NHAPNIC-3S	3" Apollo IC Air-Tight New Construction Housing with Fixed Narrow Spot Optics (1000lm or 1500lm)

LABELS AND LISTINGS

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



Type

Project

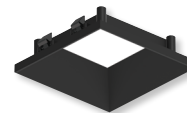
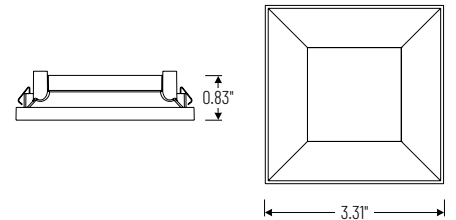
Catalog No.

Notes

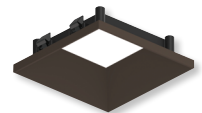
Performance Data @ 4000K & Matte Powder White finish					
Optic	L1	L2	L3	L4	L5
12° NSP		1111lm			
15° NSP			1622lm		
Spot	994lm	1494lm	1985lm	2396lm	2726lm
NFL	987lm	1483lm	1972lm	2428lm	2757lm
Flood	923lm	1388lm	1844lm	2247lm	2558lm
Delivered lumens will vary depending on optic, finish and CCT					

APOLLO

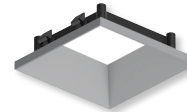
PRODUCT IMAGES AND DIMENSIONS



NAPT-3SDNB
Black



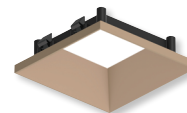
NAPT-3SDNBZ
Bronze



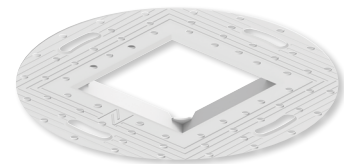
NAPT-3SDNHZ
Haze



NAPT-3SDNMPW
Matte Powder White



NAPT-3SDNWD
Wheat Diffused



NAP-TLMR-3S
Trimless Mud Plate

3" Apollo Square Trimless & Wood Ceiling Downlight

Finish	Optional Lens
NAPT-3SDNB = Black	(blank) = No Lens
NAPT-3SDNBZ = Bronze	/CL = Clear Lens (Wet Location)
NAPT-3SDNHZ = Haze	
NAPT-3SDNMPW = Matte Powder White	
NAPT-3SDNWD = Wheat Diffused	

Optional Accessories

Description
NAP-TLMR-3S = Trimless Mud Plate for 3" Square
NIO-TLTOOL = Removal Tool



Example: **NAPT-3SDNMPW** = 3" Square Trimless & Wood Ceiling Downlight, Matte Powder White finish

PHOTOMETRICS

3" Apollo Square Trimless & Wood Ceiling Downlight with Fixed Narrow Spot Optics

1000 or 1500 lumens

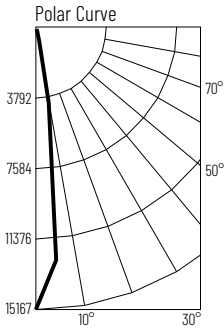
Type

Project

Catalog No.

Notes

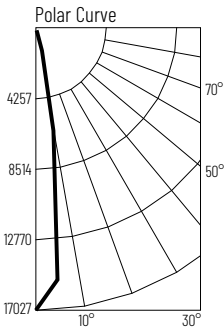
Test Information
Test Number: NTRA1424R2
Part Number:
NHAPNIC-3S05L24012D / NAPF-3SDNMPW
Beam Spread: 13° Narrow Spot
Lumens: 1111lm
Wattage: 20.39W
Efficacy: 54lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.28
Spacing Criteria (90°-270°): 0.28



Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
8'	237fc	1'-10"
10'	152fc	2'-4"
12'	105fc	2'-8"
14'	7.4fc	3'-2"
16'	59.2fc	3'-7"

Zonal Lumen Summary			Candela Table	
Zone	Lumens	% Luminaire	Vertical Angles	Candela
0-30	1076	96.9	0	15167
0-40	1094	98.5	5	12546
0-60	1107	99.7	15	781
0-90	1111	100	25	106
90-180	0	0	35	55
0-180	1111	100	45	22

Test Information
Test Number: NTRA1420R1
Part Number:
NHAPNIC-3S05L24015D / NAPF-3SDNMPW
Beam Spread: 15° Narrow Spot
Lumens: 1622lm
Wattage: 23.73W
Efficacy: 68lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.32
Spacing Criteria (90°-270°): 0.32



Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
12'	118fc	3'-4"
14'	86.9fc	3'-11"
16'	66.5fc	4'-5"
18'	52.6fc	5'
20'	42.6fc	5'-6"

Zonal Lumen Summary			Candela Table	
Zone	Lumens	% Luminaire	Vertical Angles	Candela
0-30	1568	96.7	0	17027
0-40	1597	98.4	5	15244
0-60	1617	99.7	15	1443
0-90	1622	100	25	150
90-180	0	0	35	79
0-180	1622	100	45	33

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), Matte Powder White (1.00), Wheat Diffused (0.99)

PHOTOMETRICS

3" Apollo Square Trimless & Wood Ceiling Downlight with Field Changeable Optics

1000 lumens

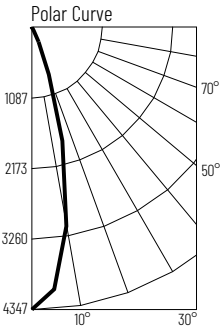
Type

Project

Catalog No.

Notes

Test Information
Test Number: NTRA1163R1
Part Number:
NHAPIC-3S05L14025D / NAPF-3SDNMPW
Beam Spread: 26° Spot
Lumens: 994lm
Wattage: 9.48W
Efficacy: 105lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.46
Spacing Criteria (90°-270°): 0.46



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	272fc	1'-11"
6'	121fc	2'-10"
8'	67.9fc	3'-10"
10'	43.5fc	4'-8"
12'	30.2fc	5'-7"

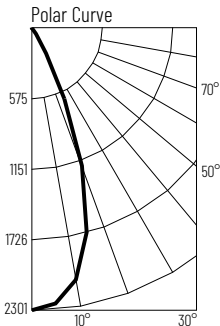
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	969	97.5
0-40	985	99.1
0-60	990	99.6
0-90	994	100
90-180	0	0
0-180	994	100

Candela Table

Vertical Angles	Candela
0	4347
5	4049
15	1808
25	251
35	15
45	6

Test Information
Test Number: NTRA1164R1
Part Number:
NHAPIC-3S05L14040D / NAPF-3SDNMPW
Beam Spread: 39° Narrow Flood
Lumens: 987lm
Wattage: 9.48W
Efficacy: 104lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.68
Spacing Criteria (90°-270°): 0.64



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	144fc	2'-11"
6'	63.9fc	4'-4"
8'	36fc	5'-8"
10'	23fc	7'-1"
12'	16fc	8'-7"

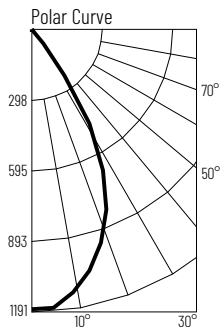
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	925	93.7
0-40	978	99.1
0-60	983	99.6
0-90	987	100
90-180	0	0
0-180	987	100

Candela Table

Vertical Angles	Candela
0	2301
5	2256
15	1727
25	637
35	59
45	5

Test Information
Test Number: NTRA1165R1
Part Number:
NHAPIC-3S05L14055D / NAPF-3SDNMPW
Beam Spread: 56° Flood
Lumens: 923lm
Wattage: 9.48W
Efficacy: 97lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.92
Spacing Criteria (90°-270°): 0.92



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	73.7fc	4'-4"
6'	32.8fc	6'-6"
8'	18.4fc	8'-8"
10'	11.8fc	10'-10"
12'	8.2fc	13'

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	638	69.1
0-40	864	93.6
0-60	919	99.6
0-90	923	100
90-180	0	0
0-180	923	100

Candela Table

Vertical Angles	Candela
0	1179
5	1148
15	1036
25	761
35	279
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), Matte Powder White (1.00), Wheat Diffused (0.99)

PHOTOMETRICS

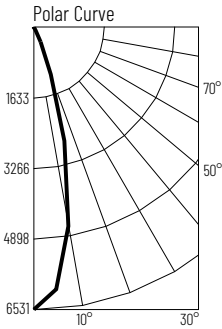
3" Apollo Square Trimless & Wood Ceiling Downlight with Field Changeable Optics

1500 lumens

Type
Project
Catalog No.
Notes

Test Information

Test Number: NTRA1175R1
Part Number:
NHAPIC-3S05L24025D / NAPF-3SDNMPW
Beam Spread: 26° Spot
Lumens: 1494lm
Wattage: 14.47W
Efficacy: 103lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.46
Spacing Criteria (90°-270°): 0.46



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
8'	136fc	3'-10"
10'	86.8fc	4'-8"
12'	60.3fc	5'-7"
14'	44.3fc	6'-7"
16'	33.9fc	7'-6"

Zonal Lumen Summary

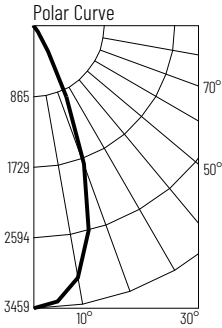
Zone	Lumens	% Luminaire
0-30	1456	97.5
0-40	1480	99.1
0-60	1488	99.6
0-90	1494	100
90-180	0	0
0-180	1494	100

Candela Table

Vertical Angles	Candela
0	6531
5	6083
15	2716
25	378
35	23
45	9

Test Information

Test Number: NTRA1174R1
Part Number:
NHAPIC-3S05L24040D / NAPF-3SDNMPW
Beam Spread: 39° Narrow Flood
Lumens: 1483lm
Wattage: 14.47W
Efficacy: 103lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.68
Spacing Criteria (90°-270°): 0.64



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
8'	71.8fc	5'-8"
10'	46fc	7'-1"
12'	31.9fc	8'-7"
14'	23.5fc	10'
16'	18fc	11'-5"

Zonal Lumen Summary

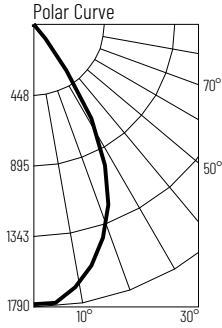
Zone	Lumens	% Luminaire
0-30	1390	93.7
0-40	1469	99.1
0-60	1478	99.6
0-90	1483	100
90-180	0	0
0-180	1483	100

Candela Table

Vertical Angles	Candela
0	3459
5	3391
15	2596
25	958
35	88
45	7

Test Information

Test Number: NTRA1177R1
Part Number:
NHAPIC-3S05L24055D / NAPF-3SDNMPW
Beam Spread: 56° Flood
Lumens: 1388lm
Wattage: 14.47W
Efficacy: 96lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.92
Spacing Criteria (90°-270°): 0.92



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
8'	36.8fc	8'-8"
10'	23.6fc	10'-10"
12'	16.4fc	13'
14'	12fc	15'-1"
16'	9.2fc	17'-4"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	959	69.1
0-40	1299	93.6
0-60	1382	99.6
0-90	1388	100
90-180	0	0
0-180	1388	100

Candela Table

Vertical Angles	Candela
0	1772
5	1726
15	1558
25	1144
35	419
45	13

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), Matte Powder White (1.00), Wheat Diffused (0.99)

PHOTOMETRICS

3" Apollo Square Trimless & Wood Ceiling Downlight with Field Changeable Optics

2000 lumens

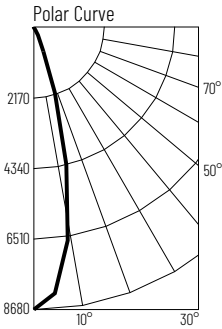
Type

Project

Catalog No.

Notes

Test Information
Test Number: NTRA1010R1
Part Number:
NHAPIC-3S05L34025D / NAPF-3SDNMPW
Beam Spread: 26° Spot
Lumens: 1985lm
Wattage: 19.97W
Efficacy: 99lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.46
Spacing Criteria (90°-270°): 0.46

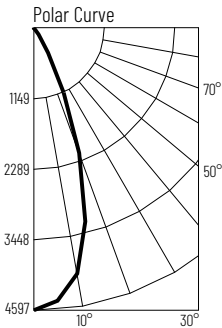


Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
12'	60.3fc	5'-7"
14'	44.3fc	6'-7"
16'	33.9fc	7'-6"
18'	26.8fc	8'-6"
20'	21.7fc	9'-5"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1935	97.5
0-40	1967	99.1
0-60	1977	99.6
0-90	1985	100
90-180	0	0
0-180	1985	100

Candela Table	
Vertical Angles	Candela
0	8680
5	8084
15	3610
25	502
35	31
45	12

Test Information
Test Number: NTRA1011R1
Part Number:
NHAPIC-3S05L34040D / NAPF-3SDNMPW
Beam Spread: 39° Narrow Flood
Lumens: 1972lm
Wattage: 19.97W
Efficacy: 99lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.68
Spacing Criteria (90°-270°): 0.64

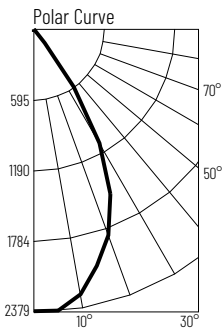


Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
12'	31.9fc	8'-7"
14'	23.5fc	10'
16'	18fc	11'-5"
18'	14.2fc	12'-10"
20'	11.5fc	14'-4"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1848	93.7
0-40	1953	99.1
0-60	1964	99.6
0-90	1972	100
90-180	0	0
0-180	1972	100

Candela Table	
Vertical Angles	Candela
0	4597
5	4508
15	3450
25	1273
35	118
45	10

Test Information
Test Number: NTRA1012R1
Part Number:
NHAPIC-3S05L34055D / NAPF-3SDNMPW
Beam Spread: 56° Flood
Lumens: 1844lm
Wattage: 19.97W
Efficacy: 92lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.92
Spacing Criteria (90°-270°): 0.92



Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
12'	16.4fc	13'
14'	12fc	15'-1"
16'	9.2fc	17'-4"
18'	7.3fc	19'-6"
20'	5.9fc	21'-7"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1275	69.1
0-40	1726	93.6
0-60	1837	99.6
0-90	1844	100
90-180	0	0
0-180	1844	100

Candela Table	
Vertical Angles	Candela
0	2355
5	2293
15	2070
25	1521
35	557
45	17

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), Matte Powder White (1.00), Wheat Diffused (0.99)

PHOTOMETRICS

3" Apollo Square Trimless & Wood Ceiling Downlight with Field Changeable Optics

2500 lumens

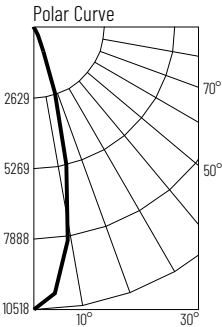
Type

Project

Catalog No.

Notes

Test Information
Test Number: NTRA1196R2
Part Number:
NHAP-3S05L44025D / NAPT-3SDNMPW
Beam Spread: 26° Spot
Lumens: 2396lm
Wattage: 25.6W
Efficacy: 94lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.46
Spacing Criteria (90°-270°): 0.44

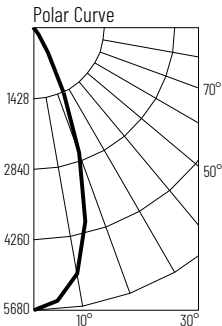


Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
16'	41.1fc	7'-6"
18'	32.5fc	8'-6"
20'	26.3fc	9'-5"
22'	21.7fc	10'-4"
24'	18.3fc	11'-4"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	2336	97.5
0-40	2374	99.1
0-60	2387	99.6
0-90	2396	100
90-180	0	0
0-180	2396	100

Candela Table	
Vertical Angles	Candela
0	10518
5	9660
15	4080
25	526
35	28
45	15

Test Information
Test Number: NTRA1197R2
Part Number:
NHAP-3S05L44040D / NAPT-3SDNMPW
Beam Spread: 39° Narrow Flood
Lumens: 2428lm
Wattage: 25.6W
Efficacy: 95lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.66
Spacing Criteria (90°-270°): 0.64

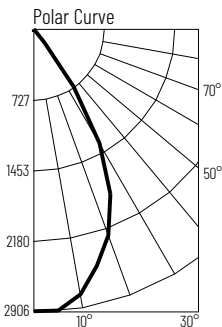


Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
16'	22.2fc	11'-5"
18'	17.5fc	12'-10"
20'	14.2fc	14'-4"
22'	11.7fc	15'-8"
24'	9.9fc	17'-1"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	2279	93.9
0-40	2405	99.1
0-60	2419	99.6
0-90	2428	100
90-180	0	0
0-180	2428	100

Candela Table	
Vertical Angles	Candela
0	5680
5	5529
15	4096
25	1387
35	115
45	12

Test Information
Test Number: NTRA1198R2
Part Number:
NHAP-3S05L44055D / NAPT-3SDNMPW
Beam Spread: 56° Flood
Lumens: 2247lm
Wattage: 25.6W
Efficacy: 88lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.92
Spacing Criteria (90°-270°): 0.9



Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
16'	11.2fc	17'-4"
18'	8.9fc	19'-6"
20'	7.2fc	21'-7"
22'	5.9fc	23'-10"
24'	5fc	26'

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1557	69.3
0-40	2107	93.8
0-60	2239	99.6
0-90	2247	100
90-180	0	0
0-180	2247	100

Candela Table	
Vertical Angles	Candela
0	2877
5	2792
15	2513
25	1823
35	636
45	17

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), Matte Powder White (1.00), Wheat Diffused (0.99)

PHOTOMETRICS

3" Apollo Square Trimless & Wood Ceiling Downlight with Field Changeable Optics

3000 lumens

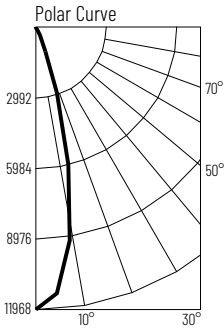
Type

Project

Catalog No.

Notes

Test Information
Test Number: NTRA1569R1
Part Number:
NHAP-3S05L54025D / NAPT-3SDNMPW
Beam Spread: 26° Spot
Lumens: 2726lm
Wattage: 30.41W
Efficacy: 90lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.46
Spacing Criteria (90°-270°): 0.44

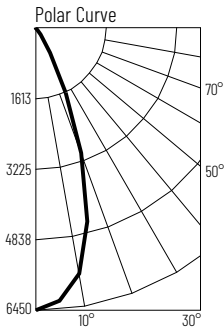


Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
20'	29.9fc	9'-5"
22'	24.7fc	10'-4"
24'	20.8fc	11'-4"
26'	17.7fc	12'-2"
28'	15.3fc	13'-2"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	2658	97.5
0-40	2701	99.1
0-60	2716	99.6
0-90	2726	100
90-180	0	0
0-180	2726	100

Candela Table	
Vertical Angles	Candela
0	11968
5	10992
15	4643
25	599
35	31
45	17

Test Information
Test Number: NTRA1570R1
Part Number:
NHAP-3S05L54040D / NAPT-3SDNMPW
Beam Spread: 39° Narrow Flood
Lumens: 2757lm
Wattage: 30.41W
Efficacy: 91lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.66
Spacing Criteria (90°-270°): 0.64

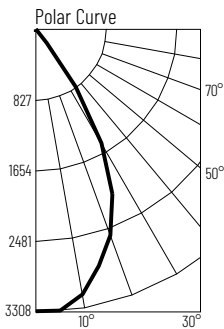


Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
20'	16.1fc	14'-4"
22'	13.3fc	15'-8"
24'	11.2fc	17'-1"
26'	9.5fc	18'-6"
28'	8.2fc	20'

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	2588	93.9
0-40	2731	99.1
0-60	2747	99.6
0-90	2757	100
90-180	0	0
0-180	2757	100

Candela Table	
Vertical Angles	Candela
0	6450
5	6279
15	4652
25	1575
35	131
45	13

Test Information
Test Number: NTRA1571R1
Part Number:
NHAP-3S05L54055D / NAPT-3SDNMPW
Beam Spread: 56° Flood
Lumens: 2558lm
Wattage: 30.41W
Efficacy: 84lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.92
Spacing Criteria (90°-270°): 0.9



Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
20'	8.2fc	21'-7"
22'	6.8fc	23'-10"
24'	5.7fc	26'
26'	4.8fc	28'-1"
28'	4.2fc	30'-4"

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1772	69.3
0-40	2398	93.8
0-60	2548	99.6
0-90	2558	100
90-180	0	0
0-180	2558	100

Candela Table	
Vertical Angles	Candela
0	3275
5	3178
15	2861
25	2075
35	724
45	19

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), Matte Powder White (1.00), Wheat Diffused (0.99)