

# NAPF-3SWW

## 3" Apollo Square Flanged Wall Wash

### PRODUCT DESCRIPTION

3" Apollo flanged wall wash is used to illuminate a wall evenly at a fixed angle on 1:1 spacing.

### FEATURES

- Precision-crafted 0.41" micro flange
- Architectural grade finishes
- 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

- |                            |   |
|----------------------------|---|
| <a href="#">NHAP-3S</a>    | 3" Apollo Non-IC Air-Tight New Construction Housing with Field Changeable Optics (2000lm to 3000lm) |
| <a href="#">NHAPIC-3S</a>  | 3" Apollo IC Air-Tight New Construction Housing with Field Changeable Optics (1000lm to 2000lm)     |
| <a href="#">NHAPNIC-3S</a> | 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 \_\_\_\_\_

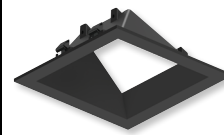
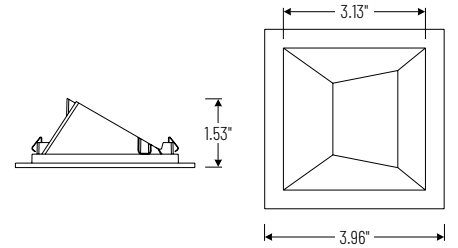
Project \_\_\_\_\_

Catalog No. \_\_\_\_\_

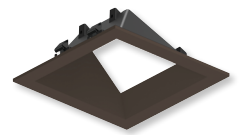
Notes \_\_\_\_\_

## APOLLO

### PRODUCT IMAGES AND DIMENSIONS



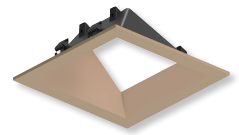
**NAPF-3SWWB**  
Black



**NAPF-3SWWBZ**  
Bronze



**NAPF-3SWWMPW**  
White



**NAPF-3SWWWD**  
Wheat Diffused

## 3" Apollo Square Flanged Wall Wash

Finish	Optional Lens
<b>NAPF-3SWWB</b> = Black	<b>(blank)</b> = No Lens
<b>NAPF-3SWWBZ</b> = Bronze	<b>/CL</b> = Clear Lens (Wet Location)
<b>NAPF-3SWWMPW</b> = White	<b>/FL</b> = Frosted Lens (Wet Location)
<b>NAPF-3SWWWD</b> = Wheat Diffused	

Example: **NAPF-3SWWMPW** = 3" Square Flanged Wall Wash, White finish

# PHOTOMETRICS

## 3" Apollo Square Flanged Wall Wash with Fixed Narrow Spot Optics 800lm to 1500 lumens

Type

Project

Catalog No.

Notes

### Test Information

Test Number: NTRA1960R1  
Part Number:  
NHAPNIC-3S05L14010D / NAPF-3SWWMPW  
Lumens: 821lm  
Wattage: 20.79W  
Efficacy: 39lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 3.68  
Spacing Criteria (90°-270°): 0.66

Multiple unit data (footcandles)

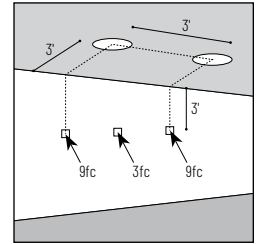
Distance from ceiling (ft.)	3" from wall		
	3" on center		
1'	3	2	3
2'	4	3	4
3'	9	3	9
4'	64	19	66
5'	140	48	143
6'	104	45	106
7'	46	23	47
8'	16	10	17
9'	5	4	5
10'	2	2	2

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4" from wall		
	3" on center		
1'	1	1	2
2'	2	2	2
3'	2	2	3
4'	5	3	5
5'	25	12	25
6'	69	40	71
7'	89	60	91
8'	62	49	63
9'	34	29	34
10'	16	15	16

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4" from wall		
	4" on center		
1'	1	1	1
2'	2	1	2
3'	2	1	2
4'	5	2	5
5'	25	4	25
6'	72	14	71
7'	90	22	91
8'	63	20	63
9'	34	13	35
10'	16	7	16



**Example:** Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 9fc beneath and 3fc between luminaires.

### Lumen Output Multipliers

Color Temperature: 2700K (0.87), 3000K (0.9), 3500K (0.95), 4000K (1.00)

### Finish Multipliers

Finish: Black (0.89), Bronze (0.88), White (1.00), Wheat Diffused (0.93)

### Test Information

Test Number: NTRA1496R2  
Part Number:  
NHAPNIC-3S05L24012D / NAPF-3SWWMPW  
Lumens: 950lm  
Wattage: 20.39W  
Efficacy: 47lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 2.96  
Spacing Criteria (90°-270°): 0.64

Multiple unit data (footcandles)

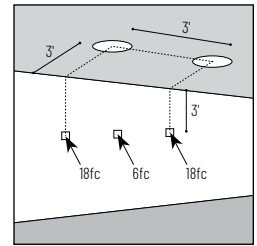
Distance from ceiling (ft.)	3" from wall		
	3" on center		
1'	3	2	3
2'	4	3	4
3'	18	6	18
4'	92	29	95
5'	145	55	149
6'	97	44	99
7'	47	24	48
8'	19	12	19
9'	7	6	7
10'	3	3	3

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4" from wall		
	3" on center		
1'	2	2	2
2'	3	2	3
3'	3	2	3
4'	10	6	18
5'	43	24	44
6'	85	53	86
7'	86	62	88
8'	58	47	59
9'	34	29	34
10'	18	17	17

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4" from wall		
	4" on center		
1'	2	1	2
2'	2	2	2
3'	3	2	3
4'	11	3	10
5'	44	8	44
6'	87	19	86
7'	87	25	88
8'	58	20	59
9'	34	14	34
10'	18	9	17



**Example:** Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 18fc beneath and 6fc between luminaires.

### Lumen Output Multipliers

Color Temperature: 2700K (0.87), 3000K (0.9), 3500K (0.95), 4000K (1.00)

### Finish Multipliers

Finish: Black (0.89), Bronze (0.88), White (1.00), Wheat Diffused (0.93)

### Test Information

Test Number: NTRA1492R1  
Part Number:  
NHAPNIC-3S05L34015D / NAPF-3SWWMPW  
Lumens: 1439lm  
Wattage: 23.4W  
Efficacy: 61lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 2.68  
Spacing Criteria (90°-270°): 0.68

Multiple unit data (footcandles)

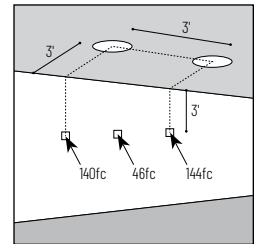
Distance from ceiling (ft.)	3" from wall		
	3" on center		
1'	5	4	5
2'	7	5	7
3'	37	11	38
4'	140	46	144
5'	189	75	194
6'	132	64	134
7'	67	39	68
8'	32	22	33
9'	16	12	16
10'	8	7	8

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4" from wall		
	3" on center		
1'	3	3	3
2'	4	4	4
3'	4	4	5
4'	21	12	22
5'	73	42	75
6'	115	76	117
7'	112	83	114
8'	80	66	81
9'	48	43	48
10'	27	26	27

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4" from wall		
	4" on center		
1'	3	2	3
2'	4	3	4
3'	4	3	4
4'	22	5	21
5'	74	15	75
6'	118	28	117
7'	114	34	114
8'	80	30	80
9'	47	23	48
10'	27	15	27



**Example:** Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 140fc beneath and 46fc between luminaires.

### Lumen Output Multipliers

Color Temperature: 2700K (0.87), 3000K (0.9), 3500K (0.95), 4000K (1.00)

### Finish Multipliers

Finish: Black (0.89), Bronze (0.88), White (1.00), Wheat Diffused (0.93)

# PHOTOMETRICS

## 3" Apollo Square Flanged Wall Wash with Field Changeable Optics 1000 lumens

Type

Project

Catalog No.

Notes

### Test Information

Test Number: NTRA1253R1  
Part Number:  
NHAPIC-3S05L14025D / NAPF-3SWWMPW  
Lumens: 918lm  
Wattage: 9.55W  
Efficacy: 96lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 2.52  
Spacing Criteria (90°-270°): 0.44

Multiple unit data (footcandles)

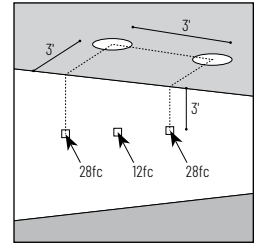
Distance from ceiling (ft.)	3' from wall		
	3' on center		
1'	2	2	2
2'	4	2	4
3'	28	12	28
4'	58	34	60
5'	59	45	60
6'	45	41	46
7'	31	32	33
8'	21	23	23
9'	14	17	16
10'	10	11	11

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	3' on center		
1'	1	1	1
2'	1	1	1
3'	3	2	4
4'	18	12	18
5'	35	28	36
6'	39	36	41
7'	36	36	38
8'	29	30	31
9'	22	24	24
10'	17	19	18

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	4' on center		
1'	1	1	1
2'	1	1	1
3'	4	1	3
4'	18	6	18
5'	35	15	35
6'	38	22	38
7'	33	25	34
8'	26	23	27
9'	20	19	21
10'	15	16	16



**Example:** Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 28fc beneath and 12fc between luminaires.

### Lumen Output Multipliers

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

### Finish Multipliers

Finish: Black (0.89), Bronze (0.88), White (1.00), Wheat Diffused (0.93)

### Test Information

Test Number: NTRA1254R1  
Part Number:  
NHAPIC-3S05L14040D / NAPF-3SWWMPW  
Lumens: 861lm  
Wattage: 9.55W  
Efficacy: 90lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 2.24  
Spacing Criteria (90°-270°): 0.5

Multiple unit data (footcandles)

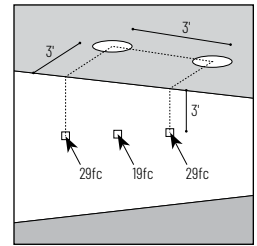
Distance from ceiling (ft.)	3' from wall		
	3' on center		
1'	1	1	1
2'	6	3	6
3'	29	19	29
4'	42	38	43
5'	36	40	37
6'	27	32	29
7'	20	24	21
8'	15	18	16
9'	11	13	12
10'	8	10	9

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	3' on center		
1'	1	1	1
2'	1	1	1
3'	6	4	6
4'	19	17	19
5'	27	28	29
6'	26	30	28
7'	23	26	24
8'	18	21	19
9'	14	16	15
10'	11	13	12

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	4' on center		
1'	1	1	1
2'	1	1	1
3'	6	2	6
4'	18	10	18
5'	25	20	26
6'	23	23	24
7'	20	22	20
8'	16	19	16
9'	12	15	13
10'	10	12	10



**Example:** Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 29fc beneath and 19fc between luminaires.

### Lumen Output Multipliers

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

### Finish Multipliers

Finish: Black (0.89), Bronze (0.88), White (1.00), Wheat Diffused (0.93)

### Test Information

Test Number: NTRA1255R1  
Part Number:  
NHAPIC-3S05L14055D / NAPF-3SWWMPW  
Lumens: 810lm  
Wattage: 9.55W  
Efficacy: 85lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 1.98  
Spacing Criteria (90°-270°): 0.78

Multiple unit data (footcandles)

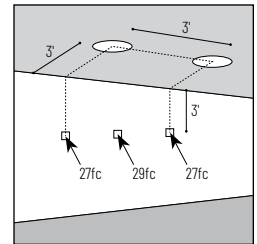
Distance from ceiling (ft.)	3' from wall		
	3' on center		
1'	1	1	1
2'	7	6	7
3'	27	29	27
4'	31	36	31
5'	24	30	25
6'	18	21	19
7'	13	15	14
8'	10	11	10
9'	7	8	8
10'	6	6	6

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	3' on center		
1'	1	1	1
2'	1	1	1
3'	7	8	7
4'	19	22	19
5'	22	25	23
6'	19	22	20
7'	15	17	16
8'	12	13	12
9'	9	10	10
10'	7	8	7

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	4' on center		
1'	1	1	1
2'	1	1	1
3'	7	5	6
4'	16	17	16
5'	19	22	19
6'	16	19	16
7'	13	16	14
8'	10	12	11
9'	8	9	9
10'	7	8	7



**Example:** Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 27fc beneath and 29fc between luminaires.

### Lumen Output Multipliers

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

### Finish Multipliers

Finish: Black (0.89), Bronze (0.88), White (1.00), Wheat Diffused (0.93)

# PHOTOMETRICS

## 3" Apollo Square Flanged Wall Wash with Field Changeable Optics 1500 lumens

Type

Project

Catalog No.

Notes

### Test Information

Test Number: NTRA1265R1  
Part Number:  
NHAPIC-3S05L24025D / NAPF-3SWWMPW  
Lumens: 1378lm  
Wattage: 14.49W  
Efficacy: 95lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 2.52  
Spacing Criteria (90°-270°): 0.44

Multiple unit data (footcandles)

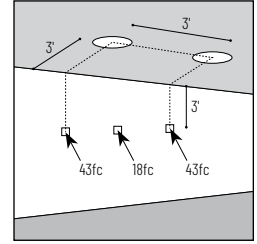
Distance from ceiling (ft.)	3' from wall		
	3' on center		
1'	3	3	3
2'	6	3	6
3'	43	18	43
4'	88	51	90
5'	88	68	90
6'	67	62	70
7'	47	48	50
8'	32	35	34
9'	22	25	24
10'	15	17	16

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	3' on center		
1'	2	2	2
2'	2	2	2
3'	5	3	5
4'	27	18	27
5'	53	42	55
6'	59	54	61
7'	54	54	56
8'	43	46	46
9'	33	36	36
10'	25	28	27

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	4' on center		
1'	2	2	2
2'	2	2	2
3'	5	2	5
4'	27	9	26
5'	52	22	53
6'	57	33	57
7'	50	37	51
8'	39	34	40
9'	30	29	31
10'	22	24	23



**Example:** Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 43fc beneath and 18fc between luminaires.

### Lumen Output Multipliers

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

### Finish Multipliers

Finish: Black (0.89), Bronze (0.88), White (1.00), Wheat Diffused (0.93)

### Test Information

Test Number: NTRA1266R1  
Part Number:  
NHAPIC-3S05L24040D / NAPF-3SWWMPW  
Lumens: 1294lm  
Wattage: 14.47W  
Efficacy: 89lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 2.24  
Spacing Criteria (90°-270°): 0.46

Multiple unit data (footcandles)

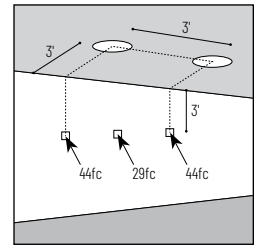
Distance from ceiling (ft.)	3' from wall		
	3' on center		
1'	2	2	2
2'	9	5	9
3'	44	29	44
4'	63	57	64
5'	54	60	56
6'	41	48	43
7'	30	36	32
8'	22	27	23
9'	16	20	17
10'	12	14	12

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	3' on center		
1'	2	2	2
2'	2	2	2
3'	9	6	9
4'	28	25	29
5'	41	42	43
6'	39	44	42
7'	34	39	36
8'	27	31	29
9'	21	25	23
10'	17	19	18

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	4' on center		
1'	1	1	1
2'	2	1	2
3'	9	3	8
4'	27	15	27
5'	38	30	38
6'	35	35	36
7'	29	33	31
8'	23	28	24
9'	19	22	20
10'	15	18	15



**Example:** Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 44fc beneath and 29fc between luminaires.

### Lumen Output Multipliers

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

### Finish Multipliers

Finish: Black (0.89), Bronze (0.88), White (1.00), Wheat Diffused (0.93)

### Test Information

Test Number: NTRA1267R1  
Part Number:  
NHAPIC-3S05L24055D / NAPF-3SWWMPW  
Lumens: 1216lm  
Wattage: 14.47W  
Efficacy: 84lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 1.98  
Spacing Criteria (90°-270°): 0.78

Multiple unit data (footcandles)

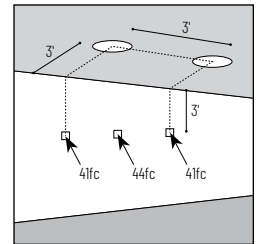
Distance from ceiling (ft.)	3' from wall		
	3' on center		
1'	2	2	2
2'	11	9	10
3'	41	44	41
4'	46	55	47
5'	37	44	38
6'	27	32	28
7'	20	23	21
8'	15	17	15
9'	11	12	12
10'	8	9	9

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	3' on center		
1'	1	1	1
2'	2	2	2
3'	11	11	10
4'	29	33	28
5'	33	38	34
6'	28	33	29
7'	23	26	24
8'	18	20	19
9'	14	15	15
10'	11	12	11

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	4' on center		
1'	1	1	1
2'	2	2	2
3'	10	8	10
4'	24	26	24
5'	28	33	28
6'	24	29	24
7'	20	24	20
8'	15	18	16
9'	12	14	13
10'	10	11	10



**Example:** Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 41fc beneath and 44fc between luminaires.

### Lumen Output Multipliers

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

### Finish Multipliers

Finish: Black (0.89), Bronze (0.88), White (1.00), Wheat Diffused (0.93)

# PHOTOMETRICS

## 3" Apollo Square Flanged Wall Wash with Field Changeable Optics 2000 lumens

Type

Project

Catalog No.

Notes

### Test Information

Test Number: NTRA1016R3  
Part Number:  
NHAPIC-3S05L34025D / NAPF-3SWWMPW  
Lumens: 1829lm  
Wattage: 20.04W  
Efficacy: 91lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 2.52  
Spacing Criteria (90°-270°): 0.44

Multiple unit data (footcandles)

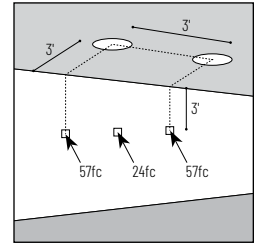
Distance from ceiling (ft.)	3' from wall		
	3' on center		
1'	4	3	4
2'	8	5	8
3'	57	24	57
4'	116	67	119
5'	117	90	120
6'	89	82	93
7'	62	64	66
8'	42	47	45
9'	29	33	31
10'	20	23	21

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	3' on center		
1'	2	3	3
2'	2	2	3
3'	7	4	7
4'	35	24	36
5'	70	55	72
6'	79	72	81
7'	71	71	75
8'	57	61	61
9'	44	48	48
10'	33	37	36

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	4' on center		
1'	2	2	2
2'	2	2	2
3'	7	3	7
4'	36	11	35
5'	69	29	70
6'	76	44	76
7'	67	49	68
8'	52	46	54
9'	40	39	41
10'	30	31	31



**Example:** Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 57fc beneath and 24fc between luminaires.

### Lumen Output Multipliers

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

### Finish Multipliers

Finish: Black (0.89), Bronze (0.88), White (1.00), Wheat Diffused (0.93)

### Test Information

Test Number: NTRA1017R3  
Part Number:  
NHAPIC-3S05L34040D / NAPF-3SWWMPW  
Lumens: 1717lm  
Wattage: 20.04W  
Efficacy: 86lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 2.24  
Spacing Criteria (90°-270°): 0.46

Multiple unit data (footcandles)

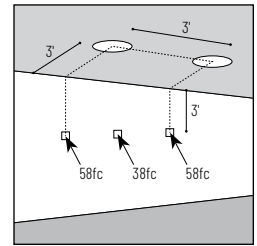
Distance from ceiling (ft.)	3' from wall		
	3' on center		
1'	3	3	3
2'	12	6	12
3'	58	38	58
4'	83	75	85
5'	72	79	74
6'	54	64	57
7'	40	48	42
8'	29	35	31
9'	21	26	23
10'	16	19	17

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	3' on center		
1'	2	2	2
2'	3	2	2
3'	11	8	11
4'	38	33	38
5'	54	56	57
6'	52	59	55
7'	45	52	48
8'	36	41	39
9'	28	33	31
10'	22	25	23

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	4' on center		
1'	2	2	2
2'	2	2	2
3'	11	4	11
4'	36	20	36
5'	50	40	51
6'	47	46	48
7'	39	44	41
8'	31	37	32
9'	25	30	26
10'	19	24	20



**Example:** Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 58fc beneath and 38fc between luminaires.

### Lumen Output Multipliers

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

### Finish Multipliers

Finish: Black (0.89), Bronze (0.88), White (1.00), Wheat Diffused (0.93)

### Test Information

Test Number: NTRA1018R3  
Part Number:  
NHAPIC-3S05L34055D / NAPF-3SWWMPW  
Lumens: 1614lm  
Wattage: 20.04W  
Efficacy: 81lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 1.98  
Spacing Criteria (90°-270°): 0.78

Multiple unit data (footcandles)

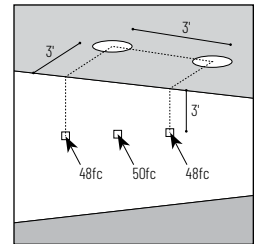
Distance from ceiling (ft.)	3' from wall		
	3' on center		
1'	3	3	3
2'	14	12	14
3'	54	58	54
4'	61	73	62
5'	48	59	50
6'	36	43	38
7'	26	30	28
8'	19	22	20
9'	14	16	15
10'	11	12	12

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	3' on center		
1'	2	2	2
2'	2	2	2
3'	14	15	14
4'	38	43	37
5'	44	51	45
6'	37	43	39
7'	30	34	32
8'	23	26	25
9'	18	20	19
10'	14	15	15

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	4' on center		
1'	2	2	2
2'	2	2	2
3'	13	10	13
4'	32	34	32
5'	37	44	37
6'	32	38	32
7'	26	31	27
8'	21	24	21
9'	16	19	17
10'	13	15	13



**Example:** Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 48fc beneath and 50fc between luminaires.

### Lumen Output Multipliers

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

### Finish Multipliers

Finish: Black (0.89), Bronze (0.88), White (1.00), Wheat Diffused (0.93)

# PHOTOMETRICS

## 3" Apollo Square Flanged Wall Wash with Field Changeable Optics 2500 lumens

Type

Project

Catalog No.

Notes

### Test Information

Test Number: NTRA1286R2  
Part Number:  
NHAP-3S05L44025D / NAPF-3SWWMPW  
Lumens: 2190lm  
Wattage: 25.63W  
Efficacy: 85lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 2.52  
Spacing Criteria (90°-270°): 0.44

Multiple unit data (footcandles)

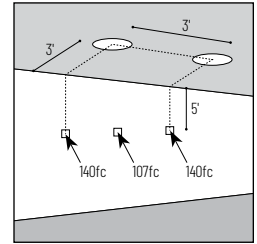
Distance from ceiling (ft.)	3' from wall 3' on center		
1'	4	4	4
2'	10	5	9
3'	68	29	69
4'	139	80	142
5'	140	107	140
6'	107	98	111
7'	74	76	79
8'	51	56	54
9'	34	40	38
10'	24	27	26

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 3' on center		
1'	3	3	3
2'	3	3	3
3'	8	5	8
4'	42	29	43
5'	84	66	87
6'	94	86	97
7'	85	85	90
8'	68	73	73
9'	52	57	57
10'	40	44	43

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 4' on center		
1'	3	3	3
2'	3	3	3
3'	8	3	8
4'	43	14	42
5'	83	35	83
6'	91	52	91
7'	80	59	81
8'	62	55	64
9'	47	46	49
10'	36	38	37



**Example:** Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 5' down from ceiling will be 140fc beneath and 107fc between luminaires.

### Lumen Output Multipliers

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

### Finish Multipliers

Finish: Black (0.89), Bronze (0.88), White (1.00), Wheat Diffused (0.93)

### Test Information

Test Number: NTRA1287R2  
Part Number:  
NHAP-3S05L44040D / NAPF-3SWWMPW  
Lumens: 2199lm  
Wattage: 30.42W  
Efficacy: 72lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 2.24  
Spacing Criteria (90°-270°): 0.46

Multiple unit data (footcandles)

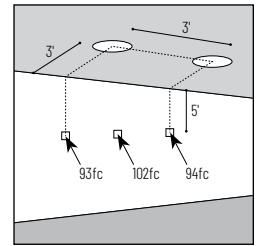
Distance from ceiling (ft.)	3' from wall 3' on center		
1'	4	4	4
2'	15	8	15
3'	74	49	76
4'	106	97	109
5'	93	102	94
6'	70	82	73
7'	51	61	54
8'	37	45	40
9'	27	34	30
10'	21	24	22

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 3' on center		
1'	3	3	3
2'	3	3	3
3'	14	10	15
4'	48	43	49
5'	70	73	73
6'	67	75	71
7'	57	66	62
8'	46	53	49
9'	36	42	39
10'	29	33	30

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 4' on center		
1'	2	2	2
2'	3	2	3
3'	15	6	14
4'	46	26	46
5'	64	51	65
6'	60	59	61
7'	50	56	52
8'	40	47	41
9'	31	38	33
10'	25	31	26



**Example:** Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 5' down from ceiling will be 93fc beneath and 102fc between luminaires.

### Lumen Output Multipliers

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

### Finish Multipliers

Finish: Black (0.89), Bronze (0.88), White (1.00), Wheat Diffused (0.93)

### Test Information

Test Number: NTRA1288R2  
Part Number:  
NHAP-3S05L44055D / NAPF-3SWWMPW  
Lumens: 1986lm  
Wattage: 25.63W  
Efficacy: 77lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 1.98  
Spacing Criteria (90°-270°): 0.78

Multiple unit data (footcandles)

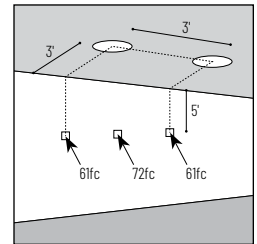
Distance from ceiling (ft.)	3' from wall 3' on center		
1'	3	3	3
2'	17	15	17
3'	67	72	66
4'	75	89	77
5'	61	72	61
6'	44	52	46
7'	33	37	34
8'	24	27	25
9'	18	20	19
10'	14	15	14

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 3' on center		
1'	2	2	2
2'	3	3	3
3'	17	19	17
4'	46	53	46
5'	54	62	56
6'	46	53	48
7'	37	42	39
8'	29	32	30
9'	22	24	24
10'	17	19	18

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 4' on center		
1'	2	2	2
2'	3	3	3
3'	16	13	16
4'	40	42	39
5'	46	54	46
6'	39	47	40
7'	32	39	33
8'	25	30	26
9'	20	23	21
10'	16	18	16



**Example:** Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 5' down from ceiling will be 61fc beneath and 72fc between luminaires.

### Lumen Output Multipliers

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

### Finish Multipliers

Finish: Black (0.89), Bronze (0.88), White (1.00), Wheat Diffused (0.93)

# PHOTOMETRICS

## 3" Apollo Square Flanged Wall Wash with Field Changeable Optics 3000 lumens

Type

Project

Catalog No.

Notes

### Test Information

Test Number: NTRA1593R1  
Part Number:  
NHAP-3SD5L54025D / NAPF-3SWWMPW  
Lumens: 2483lm  
Wattage: 30.5W  
Efficacy: 82lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 2.52  
Spacing Criteria (90°-270°): 0.44

Multiple unit data (footcandles)

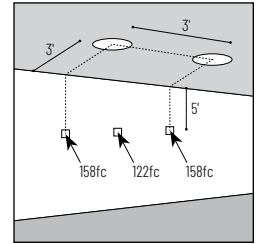
Distance from ceiling (ft.)	3' from wall		
	3' on center		
1'	5	5	5
2'	11	6	11
3'	77	32	79
4'	158	91	160
5'	158	122	158
6'	121	111	126
7'	84	87	89
8'	58	63	62
9'	39	45	43
10'	27	31	29

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	3' on center		
1'	3	3	3
2'	3	3	3
3'	9	6	10
4'	48	33	48
5'	95	75	98
6'	107	98	110
7'	97	97	102
8'	78	82	83
9'	59	65	65
10'	45	50	48

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	4' on center		
1'	3	3	3
2'	3	3	3
3'	10	4	9
4'	48	15	48
5'	94	39	95
6'	103	59	103
7'	90	67	92
8'	71	62	73
9'	54	53	56
10'	40	43	42



**Example:** Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 5' down from ceiling will be 158fc beneath and 122fc between luminaires.

### Lumen Output Multipliers

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

### Finish Multipliers

Finish: Black (0.89), Bronze (0.88), White (1.00), Wheat Diffused (0.93)

### Test Information

Test Number: NTRA1594R1  
Part Number:  
NHAP-3SD5L54040D / NAPF-3SWWMPW  
Lumens: 2542lm  
Wattage: 30.42W  
Efficacy: 84lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 2.24  
Spacing Criteria (90°-270°): 0.46

Multiple unit data (footcandles)

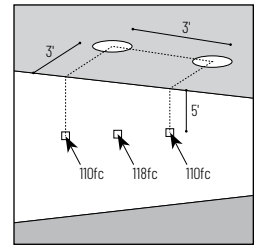
Distance from ceiling (ft.)	3' from wall		
	3' on center		
1'	4	4	4
2'	17	10	17
3'	86	56	87
4'	123	112	126
5'	110	118	110
6'	81	95	84
7'	59	71	62
8'	43	52	46
9'	32	39	34
10'	24	28	25

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	3' on center		
1'	3	3	3
2'	3	3	3
3'	17	12	17
4'	56	50	56
5'	80	83	85
6'	77	87	82
7'	66	76	71
8'	53	61	57
9'	42	48	45
10'	33	38	35

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	4' on center		
1'	3	3	3
2'	3	3	3
3'	17	7	17
4'	53	30	53
5'	74	59	75
6'	69	68	70
7'	58	65	60
8'	46	55	48
9'	36	44	38
10'	29	36	30



**Example:** Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 5' down from ceiling will be 110fc beneath and 118fc between luminaires.

### Lumen Output Multipliers

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

### Finish Multipliers

Finish: Black (0.89), Bronze (0.88), White (1.00), Wheat Diffused (0.93)

### Test Information

Test Number: NTRA1595R1  
Part Number:  
NHAP-3SD5L54055D / NAPF-3SWWMPW  
Lumens: 2220lm  
Wattage: 30.42W  
Efficacy: 73lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 1.98  
Spacing Criteria (90°-270°): 0.78

Multiple unit data (footcandles)

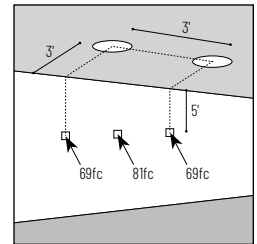
Distance from ceiling (ft.)	3' from wall		
	3' on center		
1'	4	4	4
2'	19	16	19
3'	74	80	74
4'	84	100	86
5'	69	81	69
6'	50	58	52
7'	36	41	38
8'	27	30	28
9'	20	23	21
10'	15	17	16

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	3' on center		
1'	3	3	3
2'	3	3	3
3'	19	21	19
4'	52	59	51
5'	60	70	62
6'	51	60	53
7'	41	47	44
8'	32	36	34
9'	25	27	27
10'	19	21	20

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	4' on center		
1'	2	2	2
2'	3	3	3
3'	18	14	18
4'	45	47	44
5'	51	60	51
6'	44	53	44
7'	36	43	37
8'	28	33	29
9'	22	26	23
10'	18	21	18



**Example:** Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 5' down from ceiling will be 69fc beneath and 81fc between luminaires.

### Lumen Output Multipliers

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

### Finish Multipliers

Finish: Black (0.89), Bronze (0.88), White (1.00), Wheat Diffused (0.93)