

NAPF-3RWW

3" Apollo Round 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 0.38" 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

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 _____

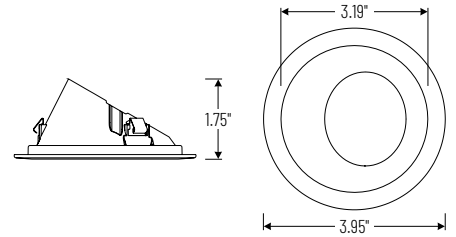
Project _____

Catalog No. _____

Notes _____

APOLLO

PRODUCT IMAGES AND DIMENSIONS



NAPF-3RWWB
Black



NAPF-3RWWBZ
Bronze



NAPF-3RWWMPW
White



NAPF-3RWWWD
Wheat Diffused

3" Apollo Round Flanged Wall Wash

Finish	Optional Lens
NAPF-3RWWB = Black	(blank) = No Lens
NAPF-3RWWBZ = Bronze	/CL = Clear Lens (Wet Location)
NAPF-3RWWMPW = White	/FL = Frosted Lens (Wet Location)
NAPF-3RWWWD = Wheat Diffused	

Example: **NAPF-3RWWMPW** = 3" Round Flanged Wall Wash, White finish

PHOTOMETRICS

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

Type

Project

Catalog No.

Notes

Test Information

Test Number: NTRA1904R1
Part Number:
NHAPNIC-3R05L14010D / NAPF-3RWMPW
Lumens: 840lm
Wattage: 20.75W
Efficacy: 41lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 3.54
Spacing Criteria (90°-270°): 0.68

Multiple unit data (footcandles)

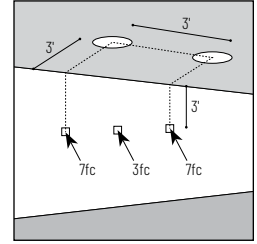
Distance from ceiling (ft.)	3' from wall		
	3' on center	2' on center	1' on center
1'	3	2	3
2'	4	3	4
3'	7	3	7
4'	66	19	68
5'	141	49	144
6'	103	44	104
7'	47	24	48
8'	19	11	19
9'	7	5	7
10'	2	2	2

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	3' on center	2' on center	1' on center
1'	2	1	2
2'	2	2	2
3'	2	2	3
4'	4	3	4
5'	24	12	25
6'	73	42	75
7'	88	60	89
8'	62	48	63
9'	34	30	35
10'	17	16	17

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	4' on center	3' on center	2' on center
1'	1	1	1
2'	2	1	2
3'	2	1	2
4'	4	2	4
5'	25	4	25
6'	76	14	75
7'	89	23	89
8'	63	20	63
9'	35	13	35
10'	17	8	17



Example: Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 7fc beneath and 38fc 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: NTRA1352R2
Part Number:
NHAPNIC-3R05L24012D / NAPF-3RWMPW
Lumens: 1037lm
Wattage: 20.39W
Efficacy: 51lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 2.72
Spacing Criteria (90°-270°): 0.64

Multiple unit data (footcandles)

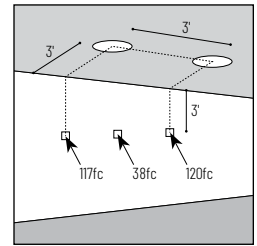
Distance from ceiling (ft.)	3' from wall		
	3' on center	2' on center	1' on center
1'	3	2	3
2'	4	3	4
3'	26	8	27
4'	117	38	120
5'	156	61	160
6'	98	46	100
7'	43	24	44
8'	17	11	18
9'	7	5	7
10'	3	3	3

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	3' on center	2' on center	1' on center
1'	2	2	2
2'	2	2	3
3'	3	2	3
4'	15	8	15
5'	60	33	61
6'	97	63	99
7'	90	66	92
8'	59	48	59
9'	31	28	32
10'	15	15	15

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	4' on center	3' on center	2' on center
1'	2	1	2
2'	2	2	2
3'	3	2	3
4'	16	3	16
5'	61	11	61
6'	100	23	99
7'	92	27	92
8'	59	21	60
9'	32	14	32
10'	15	8	15



Example: Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 117fc beneath and 38fc 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: NTRA1348R1
Part Number:
NHAPNIC-3R05L34015D / NAPF-3RWMPW
Lumens: 1572lm
Wattage: 23.96W
Efficacy: 66lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 2.5
Spacing Criteria (90°-270°): 0.54

Multiple unit data (footcandles)

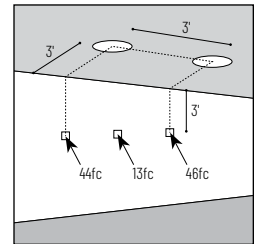
Distance from ceiling (ft.)	3' from wall		
	3' on center	2' on center	1' on center
1'	5	4	5
2'	7	5	7
3'	44	13	46
4'	180	61	185
5'	203	88	208
6'	125	65	128
7'	61	37	64
8'	29	21	31
9'	14	12	15
10'	7	6	8

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	3' on center	2' on center	1' on center
1'	3	3	3
2'	4	4	4
3'	4	4	5
4'	25	13	25
5'	98	56	101
6'	137	95	140
7'	114	89	117
8'	74	64	77
9'	44	40	46
10'	25	24	26

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	4' on center	3' on center	2' on center
1'	3	2	3
2'	4	3	4
3'	4	3	5
4'	26	5	25
5'	100	19	100
6'	140	37	140
7'	115	39	116
8'	74	31	75
9'	44	22	45
10'	25	15	25



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 13fc 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 Round Flanged Wall Wash with Field Changeable Optics 1000 lumens

Type

Project

Catalog No.

Notes

Test Information

Test Number: NTRAT118R3
Part Number:
NHAPIC-3R05L14025D / NAPF-3RWMPW
Lumens: 966lm
Wattage: 9.52W
Efficacy: 101lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 2.48
Spacing Criteria (90°-270°): 0.5

Multiple unit data (footcandles)

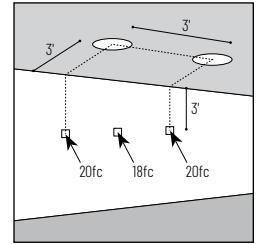
Distance from ceiling (ft.)	3' from wall		
	3' on center		
1'	2	2	2
2'	3	3	3
3'	20	18	20
4'	45	44	45
5'	50	53	52
6'	40	45	42
7'	30	34	32
8'	21	25	23
9'	15	18	16
10'	11	12	12

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	3' on center		
1'	1	1	1
2'	1	1	1
3'	2	2	3
4'	14	13	13
5'	29	30	30
6'	35	38	36
7'	33	37	35
8'	27	31	30
9'	22	25	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'	6	2	8
4'	18	8	24
5'	28	16	35
6'	30	22	36
7'	27	24	32
8'	22	22	26
9'	18	19	21
10'	14	15	16



Example: Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 20fc 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: NTRAT119R3
Part Number:
NHAPIC-3R05L14040D / NAPF-3RWMPW
Lumens: 906lm
Wattage: 9.52W
Efficacy: 95lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 2.38
Spacing Criteria (90°-270°): 0.5

Multiple unit data (footcandles)

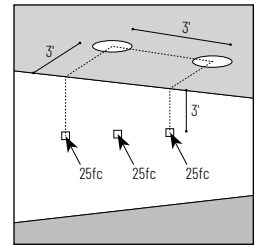
Distance from ceiling (ft.)	3' from wall		
	3' on center		
1'	1	2	1
2'	6	5	6
3'	25	25	26
4'	38	41	39
5'	35	41	36
6'	27	32	29
7'	20	24	21
8'	15	18	16
9'	11	13	12
10'	8	10	9

Multiple unit data (footcandles)

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

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	4' on center		
1'	1	1	1
2'	2	1	2
3'	9	4	12
4'	18	12	23
5'	22	20	26
6'	21	23	24
7'	18	21	20
8'	15	18	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 25fc beneath and 25fc 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: NTRAT120R3
Part Number:
NHAPIC-3R05L14055D / NAPF-3RWMPW
Lumens: 855lm
Wattage: 9.52W
Efficacy: 90lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 1.9
Spacing Criteria (90°-270°): 0.7

Multiple unit data (footcandles)

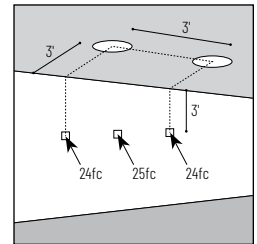
Distance from ceiling (ft.)	3' from wall		
	3' on center		
1'	1	1	1
2'	7	6	6
3'	24	25	24
4'	28	33	29
5'	23	28	25
6'	18	21	19
7'	13	15	14
8'	10	11	10
9'	7	8	8
10'	6	6	6

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	3' on center		
1'	1	1	1
2'	1	1	1
3'	7	7	7
4'	17	19	17
5'	20	24	21
6'	18	21	19
7'	15	17	15
8'	11	13	12
9'	9	10	10
10'	7	8	8

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	4' on center		
1'	1	1	1
2'	2	1	3
3'	9	6	11
4'	15	14	17
5'	16	19	18
6'	14	18	16
7'	12	15	13
8'	10	12	11
9'	8	9	9
10'	6	7	7



Example: Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 24fc beneath and 25fc 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 Round Flanged Wall Wash with Field Changeable Optics 1500 lumens

Type

Project

Catalog No.

Notes

Test Information

Test Number: NTRAT130R3
Part Number:
NHAPIC-3R05L24025D / NAPF-3RWMPW
Lumens: 1451lm
Wattage: 14.49W
Efficacy: 100lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 2.48
Spacing Criteria (90°-270°): 0.5

Multiple unit data (footcandles)

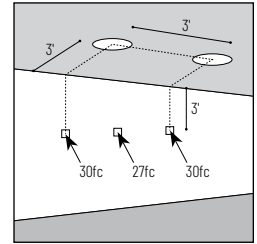
Distance from ceiling (ft.)	3' from wall		
	3' on center		
1'	2	3	2
2'	4	4	4
3'	30	27	30
4'	67	66	68
5'	75	79	78
6'	61	67	64
7'	45	51	48
8'	32	37	35
9'	22	26	25
10'	16	19	17

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	3' on center		
1'	2	2	2
2'	2	2	2
3'	4	4	4
4'	20	20	20
5'	44	46	45
6'	52	58	55
7'	50	56	53
8'	41	47	44
9'	33	38	36
10'	25	29	27

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	4' on center		
1'	2	2	2
2'	2	2	2
3'	9	3	12
4'	27	12	36
5'	42	25	53
6'	44	34	54
7'	40	36	48
8'	34	33	40
9'	27	28	31
10'	21	23	24



Example: Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 30fc beneath and 27fc 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: NTRAT131R3
Part Number:
NHAPIC-3R05L24040D / NAPF-3RWMPW
Lumens: 1360lm
Wattage: 14.49W
Efficacy: 94lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 2.38
Spacing Criteria (90°-270°): 0.5

Multiple unit data (footcandles)

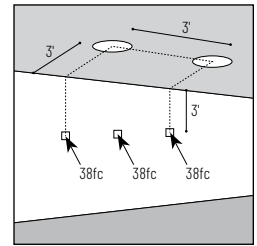
Distance from ceiling (ft.)	3' from wall		
	3' on center		
1'	2	2	2
2'	8	8	8
3'	38	38	38
4'	57	62	58
5'	53	61	55
6'	41	48	43
7'	30	36	32
8'	22	26	24
9'	17	19	18
10'	13	14	13

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	3' on center		
1'	2	2	2
2'	2	2	2
3'	9	9	9
4'	27	29	27
5'	39	44	41
6'	39	45	40
7'	34	40	36
8'	27	32	29
9'	22	25	23
10'	17	19	18

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	4' on center		
1'	1	1	2
2'	3	2	3
3'	14	6	18
4'	28	19	34
5'	33	31	39
6'	31	34	35
7'	27	31	30
8'	22	27	24
9'	18	22	20
10'	14	17	16



Example: Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 38fc 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: NTRAT132R3
Part Number:
NHAPIC-3R05L24055D / NAPF-3RWMPW
Lumens: 1284lm
Wattage: 14.49W
Efficacy: 89lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 1.9
Spacing Criteria (90°-270°): 0.7

Multiple unit data (footcandles)

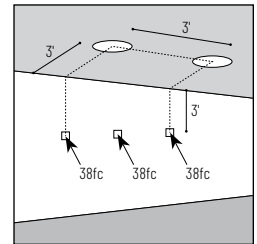
Distance from ceiling (ft.)	3' from wall		
	3' on center		
1'	2	2	2
2'	8	8	8
3'	38	38	38
4'	57	62	58
5'	53	61	55
6'	41	48	43
7'	30	36	32
8'	22	26	24
9'	16	19	18
10'	13	14	13

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall		
	3' on center		
1'	2	2	2
2'	2	2	2
3'	9	9	9
4'	27	29	27
5'	39	44	41
6'	39	45	40
7'	34	40	36
8'	27	32	29
9'	22	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'	3	2	3
3'	14	6	18
4'	28	19	34
5'	33	31	39
6'	31	34	35
7'	27	31	30
8'	22	27	24
9'	18	22	20
10'	14	17	16



Example: Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 38fc 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)

PHOTOMETRICS

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

Type

Project

Catalog No.

Notes

Test Information

Test Number: NTRA1007R3
Part Number:
NHAPIC-3R05L34025D / NAPF-3RWMPW
Lumens: 1924lm
Wattage: 20.02W
Efficacy: 96lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 2.48
Spacing Criteria (90°-270°): 0.5

Multiple unit data (footcandles)

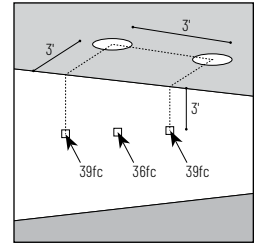
Distance from ceiling (ft.)	3' from wall 3' on center		
	3'	3'	3'
1'	3	3	3
2'	6	6	6
3'	39	36	39
4'	89	88	90
5'	100	105	102
6'	81	89	85
7'	59	68	64
8'	42	49	46
9'	29	35	33
10'	21	25	23

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 3' on center		
	4'	2'	2'
1'	2	2	2
2'	2	2	2
3'	5	5	5
4'	27	26	26
5'	58	61	59
6'	70	77	72
7'	66	74	70
8'	55	63	59
9'	43	50	47
10'	33	39	36

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 4' on center		
	4'	2'	2'
1'	2	2	2
2'	3	2	3
3'	12	4	16
4'	36	15	47
5'	56	33	70
6'	59	44	71
7'	53	48	64
8'	45	44	52
9'	36	38	42
10'	28	30	32



Example: Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 39fc beneath and 36fc 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: NTRA1008R3
Part Number:
NHAPIC-3R05L34040D / NAPF-3RWMPW
Lumens: 1806lm
Wattage: 20.02W
Efficacy: 90lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 2.38
Spacing Criteria (90°-270°): 0.5

Multiple unit data (footcandles)

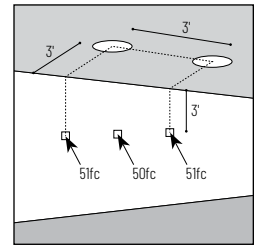
Distance from ceiling (ft.)	3' from wall 3' on center		
	3'	3'	3'
1'	3	3	3
2'	11	11	11
3'	51	50	51
4'	76	82	77
5'	70	81	72
6'	54	64	57
7'	40	48	43
8'	30	35	31
9'	22	26	23
10'	17	19	17

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 3' on center		
	4'	2'	2'
1'	2	2	2
2'	2	2	2
3'	12	12	12
4'	36	38	36
5'	52	59	54
6'	52	60	54
7'	45	53	47
8'	36	42	38
9'	29	33	31
10'	23	26	24

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 4' on center		
	4'	2'	2'
1'	2	2	2
2'	4	2	5
3'	18	8	24
4'	37	25	45
5'	44	41	52
6'	41	45	47
7'	36	42	40
8'	29	36	32
9'	24	29	26
10'	19	23	21



Example: Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 51fc 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)

Test Information

Test Number: NTRA1009R3
Part Number:
NHAPIC-3R05L34055D / NAPF-3RWMPW
Lumens: 1704lm
Wattage: 20.02W
Efficacy: 85lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 1.9
Spacing Criteria (90°-270°): 0.7

Multiple unit data (footcandles)

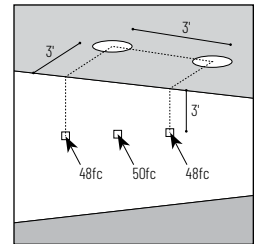
Distance from ceiling (ft.)	3' from wall 3' on center		
	3'	3'	3'
1'	3	3	3
2'	13	12	13
3'	48	50	48
4'	56	66	59
5'	46	56	49
6'	35	41	37
7'	26	30	28
8'	19	22	21
9'	15	16	16
10'	11	12	12

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 3' on center		
	4'	2'	2'
1'	2	2	2
2'	3	3	3
3'	14	14	14
4'	34	38	34
5'	40	48	42
6'	35	41	37
7'	29	33	31
8'	23	26	24
9'	18	20	19
10'	14	16	15

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 4' on center		
	4'	2'	2'
1'	2	2	2
2'	4	3	5
3'	18	11	22
4'	30	28	34
5'	32	37	36
6'	28	35	31
7'	24	29	26
8'	20	23	21
9'	16	18	17
10'	13	14	14



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 Round Flanged Wall Wash with Field Changeable Optics 2500 lumens

Type

Project

Catalog No.

Notes

Test Information

Test Number: NTRAT151R4
Part Number:
NHAP-3R05L44025D / NAPF-3RWWMPW
Lumens: 2299lm
Wattage: 25.64W
Efficacy: 90lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 2.48
Spacing Criteria (90°-270°): 0.5

Multiple unit data (footcandles)

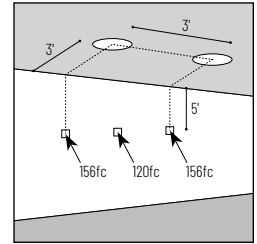
Distance from ceiling (ft.)	3' from wall 3' on center		
	3'	3'	3'
1'	3	3	3
2'	13	5	12
3'	89	35	91
4'	167	96	169
5'	156	120	156
6'	113	101	112
7'	75	74	75
8'	49	51	49
9'	32	35	33
10'	22	23	22

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 3' on center		
	4'	2'	2'
1'	2	2	2
2'	3	2	3
3'	12	7	12
4'	55	37	56
5'	103	81	104
6'	110	100	109
7'	95	92	94
8'	73	74	72
9'	54	56	54
10'	39	41	39

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 4' on center		
	4'	2'	2'
1'	2	2	2
2'	2	2	2
3'	12	3	12
4'	56	16	55
5'	101	42	101
6'	104	61	103
7'	87	65	87
8'	65	56	65
9'	48	45	48
10'	35	35	34



Example: Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 5' down from ceiling will be 156fc beneath and 120fc 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: NTRAT152R4
Part Number:
NHAP-3R05L44040D / NAPF-3RWWMPW
Lumens: 2288lm
Wattage: 25.64W
Efficacy: 89lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 2.38
Spacing Criteria (90°-270°): 0.5

Multiple unit data (footcandles)

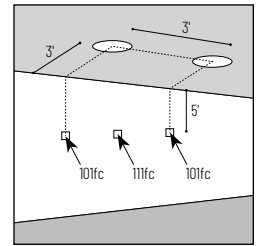
Distance from ceiling (ft.)	3' from wall 3' on center		
	3'	3'	3'
1'	3	3	3
2'	20	9	19
3'	88	54	90
4'	119	107	120
5'	101	111	101
6'	75	86	76
7'	53	63	55
8'	38	45	40
9'	27	33	29
10'	20	23	21

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 3' on center		
	4'	2'	2'
1'	2	2	2
2'	3	3	3
3'	19	12	20
4'	58	49	58
5'	79	81	80
6'	75	83	76
7'	63	71	65
8'	49	55	51
9'	38	43	40
10'	29	33	30

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 4' on center		
	4'	2'	2'
1'	2	2	2
2'	3	2	3
3'	20	6	19
4'	56	28	56
5'	72	56	73
6'	66	65	66
7'	54	61	55
8'	42	50	43
9'	33	39	34
10'	26	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 101fc beneath and 111fc 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: NTRAT153R4
Part Number:
NHAP-3R05L44055D / NAPF-3RWWMPW
Lumens: 2092lm
Wattage: 25.64W
Efficacy: 82lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 1.9
Spacing Criteria (90°-270°): 0.7

Multiple unit data (footcandles)

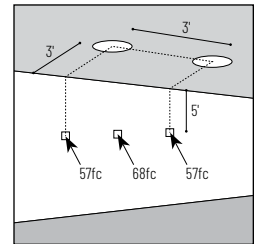
Distance from ceiling (ft.)	3' from wall 3' on center		
	3'	3'	3'
1'	3	3	3
2'	16	9	16
3'	61	52	61
4'	74	84	74
5'	62	73	62
6'	47	54	47
7'	35	39	35
8'	26	28	26
9'	19	21	20
10'	15	16	15

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 3' on center		
	4'	2'	2'
1'	2	2	2
2'	3	3	3
3'	16	12	16
4'	41	42	40
5'	52	60	52
6'	47	54	47
7'	39	43	39
8'	30	33	31
9'	24	26	24
10'	19	20	19

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 4' on center		
	4'	2'	2'
1'	2	2	2
2'	3	2	3
3'	16	7	15
4'	37	29	37
5'	44	49	44
6'	40	47	39
7'	33	39	33
8'	27	31	27
9'	21	24	22
10'	17	19	17



Example: Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 5' down from ceiling will be 62fc beneath and 73fc 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 Round Flanged Wall Wash with Field Changeable Optics 3000 lumens

Type

Project

Catalog No.

Notes

Test Information

Test Number: NTRA1557R4
Part Number:
NHAP-3R05L54025D / NAPF-3RWWMPW
Lumens: 2606lm
Wattage: 30.5W
Efficacy: 85lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 2.48
Spacing Criteria (90°-270°): 0.5

Multiple unit data (footcandles)

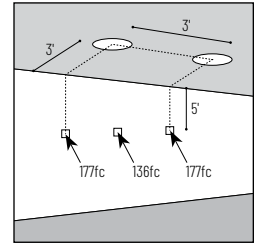
Distance from ceiling (ft.)	3' from wall 3' on center		
	4	4	4
1'	4	4	4
2'	14	6	14
3'	100	39	103
4'	189	108	191
5'	177	136	177
6'	128	115	128
7'	85	83	85
8'	56	57	56
9'	37	39	37
10'	25	26	25

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 3' on center		
	3	3	3
1'	3	3	3
2'	3	3	3
3'	13	7	14
4'	63	41	63
5'	117	92	118
6'	125	113	124
7'	108	105	107
8'	83	84	82
9'	61	63	61
10'	45	47	44

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 4' on center		
	2	2	3
1'	2	2	3
2'	3	2	3
3'	14	4	14
4'	63	18	63
5'	115	48	115
6'	118	69	117
7'	99	73	98
8'	74	64	74
9'	55	51	54
10'	40	40	39



Example: Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 5' down from ceiling will be 177fc beneath and 136fc 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: NTRA1558R1
Part Number:
NHAP-3R05L54040D / NAPF-3RWWMPW
Lumens: 2594lm
Wattage: 30.5W
Efficacy: 85lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 2.38
Spacing Criteria (90°-270°): 0.5

Multiple unit data (footcandles)

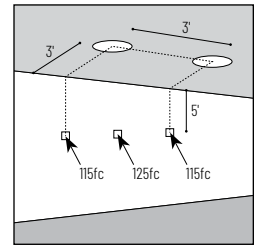
Distance from ceiling (ft.)	3' from wall 3' on center		
	4	4	4
1'	4	4	4
2'	22	10	22
3'	100	61	102
4'	135	121	136
5'	115	125	115
6'	84	98	86
7'	60	71	62
8'	43	51	45
9'	31	37	33
10'	23	26	23

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 3' on center		
	3	3	2
1'	3	3	2
2'	3	3	3
3'	22	14	22
4'	66	56	65
5'	89	91	91
6'	85	94	86
7'	71	80	73
8'	56	63	58
9'	43	48	45
10'	33	37	34

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 4' on center		
	2	2	2
1'	2	2	2
2'	3	3	3
3'	23	7	22
4'	63	31	63
5'	82	64	82
6'	75	74	75
7'	62	69	62
8'	48	56	49
9'	38	44	38
10'	29	35	30



Example: Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 5' down from ceiling will be 115fc beneath and 125fc 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: NTRA1559R1
Part Number:
NHAP-3R05L54055D / NAPF-3RWWMPW
Lumens: 2386lm
Wattage: 30.5W
Efficacy: 78lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 1.9
Spacing Criteria (90°-270°): 0.7

Multiple unit data (footcandles)

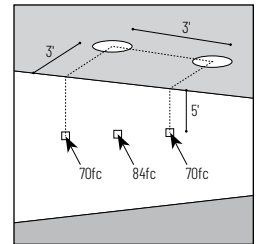
Distance from ceiling (ft.)	3' from wall 3' on center		
	3	3	3
1'	3	3	3
2'	19	10	18
3'	69	59	70
4'	85	95	85
5'	70	84	70
6'	54	62	54
7'	39	44	40
8'	29	32	30
9'	22	24	22
10'	16	18	17

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 3' on center		
	2	2	2
1'	2	2	2
2'	3	3	3
3'	18	14	18
4'	47	48	46
5'	59	68	60
6'	53	61	54
7'	44	49	44
8'	35	38	35
9'	27	29	28
10'	21	22	21

Multiple unit data (footcandles)

Distance from ceiling (ft.)	4' from wall 4' on center		
	2	2	2
1'	2	2	2
2'	3	2	3
3'	18	8	18
4'	42	33	42
5'	51	56	51
6'	45	54	45
7'	38	45	38
8'	30	35	31
9'	24	28	25
10'	19	22	19



Example: Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 5' down from ceiling will be 70fc beneath and 84fc 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)