PRIME

3" LED ARCHITECTURAL ROUND FLANGE WALL WASH
NEW CONSTRUCTION: IC & NON IC



GENERAL INFORMATION

USE OF PRODUCT
The 3" Prime Wall Wash is a small aperture fixture with a shallow housing height of 4¾", which is ideal for residential and commercial applications. Available options include die-cast or spun aluminum trims, various color temperatures, filters, and dimmable drivers.

LED ENGINE
LED engine available in 2700K, 3000K, 3500K, or 4000K in standard 90+ CRI. 2-step MacAdam ellipse allows for color consistency between fixtures. The LED is mounted to an aluminum heat sink for maximum life output and thermal management. LED engine is accessible from below the ceiling.

OPTICAL DISTRIBUTION
WW - Wall Wash with an 80° TIR optic.
Field-replaceable optic for the wall-wash configuration.

FRAME CONSTRUCTION
IC and Non-IC rated housing are constructed from a 16-gauge heavy-duty, powder-coated cold-rolled steel frame and includes a junction box with ½" knockouts. Butterfly brackets (included) accommodate universal or C-channel hangers (order separately).

ADJUSTMENT
- Light engine locked at 20˚ tilt, consult factory for other tilt settings.
- Housing supports 359° locking rotation.
- Aperture collar compatible up to 1½" ceiling thickness. Consult factory for made-to-order aperture collars exceeding 1½".

DIMMING
Available in nine driver selections. (ID) Standard all-inclusive ELV (120V), Triac (120V), and 0–10V (120–277V) dimming driver called Intelligent Drive, (EEI) eldoLED 1% Dim 0-10V, (EEIS) eldoLED 1% Dim 0-10V (120-277V) and Triac (120V), Max 20W, (EDIO) eldoLED 0.1 Dim 0-10V, (EDID) eldoLED 0.1% Dim DALI, (EDD) eldoLED 1% Dim DALI2, (LDE1) Lutron Hi-Lume 1% Ecosystem with Soft-on, Fade-to-Black Dimming, (L3DA) Hi-Lume 1% Ecosystem/3-Wire L3D Driver, (PEQ0) Lutron Hi-Lume Premier Ecosystem 0.1% with Soft-on, Fade-to-Black Dimming.

TRIM
Flange trims available in die-cast or spun aluminum. Trim includes standard frosted acrylic diffuser. Remove standard frosted acrylic diffuser in field for 7% lumens increase. Consult factory for made-to-order finishes. Wet location for bathrooms and showers with standard lens on trim.

EMERGENCY BATTERY
Optional Emergency Battery (EM) available in 4W (≈400 lm), 8W (≈800 lm), or 15W (≈1,500 lm) available for a minimum of 90 minutes. Please review page 7 for integral or remote EM and test switch options with solutions that allow for EM replacement from below the ceiling.

LABELS/COMPLIANCE/WARRANTY
- CSA listed for US and Canada
- Energy Star certified product
- Dry/Damp/Wet location rated
- State of California Title 24 and JA8 compliant
- Chicago Plenum with IC Housing
- 5-year limited warranty.

GENERAL PERFORMANCE CHART

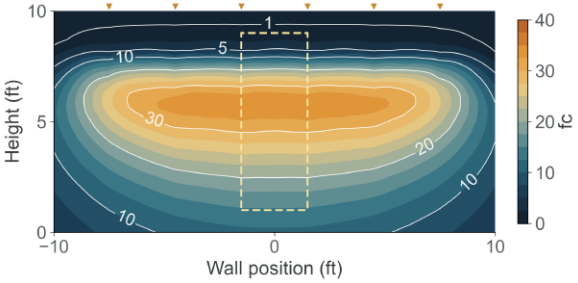
*Detailed performance chart may be found on page 3

* Values are listed at 3000K, 90+ CRI with a white bevel & trim.
Delivered lumens shown for WW / 80°.
Performance may vary +/- 5%

	6W	9W	12W	15W	20W	24W	28W	32W
Initial Lumens	955	1296	1618	2015	2422	2799	3128	3405
Delivered Lumens	417	566	709	865	1024	1221	1372	1549

CALCULATED LIGHT DISTRIBUTION

REV. 07 | D = S = 3 ft | 6 fixtures | 20 x 10 ft wall



CENTRAL-BAY MAX:AVG
1.58:1
21.57 fc avg

Max:Avg = peak illuminance / arithmetic average over one central bay, 1-9 ft below the ceiling. Check minimum illuminance separately for the final layout.

For continuous ceiling-to-floor uniformity, verify the final spacing and required uniformity. Confirm final installation with the factory.

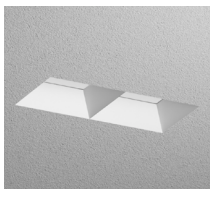
Initial direct illuminance. LLF = 1.00. Contour uses unsmoothed IES calculations.

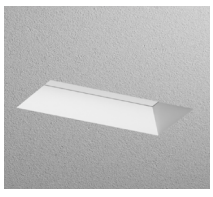
PRIME FAMILY OF PRODUCTS


Downlight

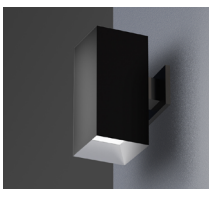

TechZone®


WoodWorks®


Multiple Dedicated Bevel


Multiple Open Bevel


Cylinder


Square Luminaire

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ORDERING INFORMATION

Series
RPA3

Wattage
6W - 6 Watt
9W - 9 Watt
12W - 12 Watt
15W - 15 Watt
20W - 20 Watt
24W - 24 Watt
28W[1] - 28 Watt
32W[1] - 32 Watt

Dimming
ID[2] - Standard All-Inclusive ELV, Triac, and 0–10V Dimming Driver (Intelligent Drive)
EEI[3] - eldoLED 1% Dim (0–10V)
EEIS[4] - eldoLED 1% Dim 0-10V (120-277V), Triac (120V), Max 20W
EDIO[3] - eldoLED 0.1% Dim (0-10V)
EDID[3] - eldoLED 0.1% Dim (DALI)
EDD[3] - eldoLED 1% Dim (DALI2)
LDE1[5] - Lutron Hi-Lume 1% Ecosystem with Soft-on, Fade-to-Black Dimming
L3DA[5] - Hi-Lume 1% Ecosystem/3-Wire L3D Driver
PEQ0 - Lutron Hi-Lume Premier Ecosystem 0.1% with Soft-on, Fade-to-Black Dimming

Color Temperature
27K - 2700K
30K - 3000K
35K - 3500K
40K - 4000K

Optical Distribution
WW - Wall Wash
80° optic

Housing Type
IC[6] - IC Air-Tight New Construction
NC - Non-IC New Construction

Collar
CR10 - 1.0" Depth
CR15 - 1.5" Depth
MTO - Made To Order

Module Type
AMHW - Wall Wash

Frame Accessories
UH - Universal Bar Hanger
C - C-Channel Bar Hanger

Options
ER4W[7] - Emergency Battery with Remote test switch (400 lm)
ER8W[8] - Emergency Battery with Remote test switch (800 lm)
ER15W[8] - Emergency Battery with Remote test switch (1,500 lm)
347V - 347V Step down transformer
CP[9] - Chicago Plenum

Wireless Controls
AWN - Athena Wireless (Lutron)
CLM - Connected Lighting Module (Legrand Wattstopper)

Notes
1. Not available in IC housing.
2. Intelligent Drive is the standard driver.
3. Must specify logarithmic or linear eldoLED diver.
4. Driver available up to 20W and programmed only in linear mode.
5. Not offered in 6W.
6. Not available in 28W and 32W.
7. Available in IC housing only.
8. Ceiling access is required for IC housing to replace the EM unit.
9. Requires IC housing.

TRIM ORDERING INFORMATION

DIE-CAST

Bevel / Flange Finish
May be mixed and matched

	Trim Type	Bevel	Flange
3" Round Flange Accent	3RFA-CL	**W** - White	**W** - White
	3RFA-CL	**B** - Black	**B** - Black
	3RFA-CL	**H** - Haze	**BZ** - Bronze
	3RFA-CL	**BZ** - Bronze	**MTO** - Made To Order
	3RFA-CL	**MTO** - Made To Order	

SPUN ALUMINUM (SELF-FLANGED)

Bevel / Flange Finish

	Trim Type	Self-Flanged
3" Round Flange Accent	3RFA-AL	**H** - Haze
	3RFA-AL	**C** - Clear
	3RFA-AL	**MTO** - Made To Order

Integer Lights continually works to improve products and reserves the right to make changes which may alter the performance, appearance or specification of products.

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PERFORMANCE CHART

Wattage	Initial Lumens	Delivered Lumens - WW / 80°
6W	955	**417**
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15W	2015	**865**
20W	2422	**1024**
24W	2799	**1221**
28W	3128	**1372**
32W	3405	**1549**

* Values are listed at 3000K, 90+ CRI with a white bevel & trim.

COLOR TEMPERATURE MULTIPLIER FOR DELIVERED LUMENS

2700K	3000K	3500K	4000K
0.95	1.00	1.04	1.07

3RFA-CL ACCENT



WW / 80°

Wall-wash optical distribution

OPTIC	**80° TIR optic**
ENGINE	**Fixed 20° engine tilt**
ROTATION	**359° locking rotation**

WALL-WASH APPLICATION DATA

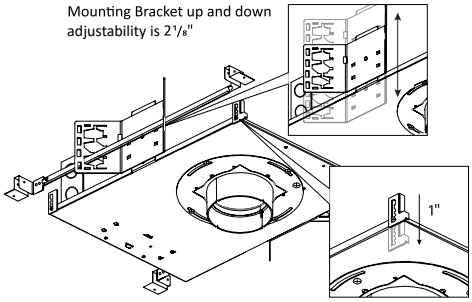
See page 1 and supplement WW-1 to WW-2 for calculated wall illuminance,
Max:Avg uniformity ratios and graphics. Applies to 32W / 3000K / WW (80° optic), tested 20° tilt only.

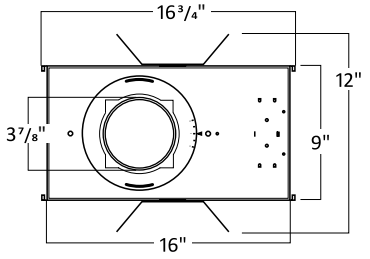
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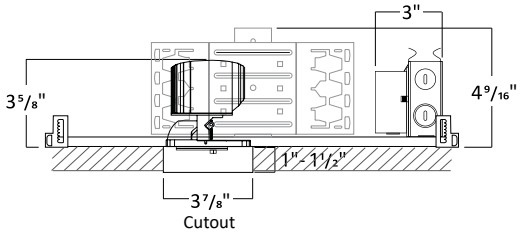
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NON-IC HOUSING DIMENSIONS 6W-20W





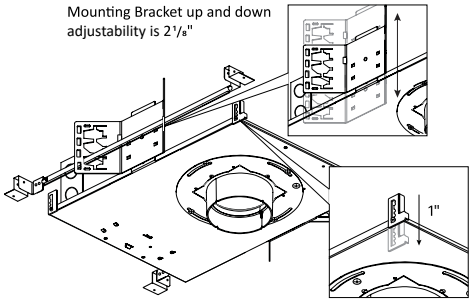


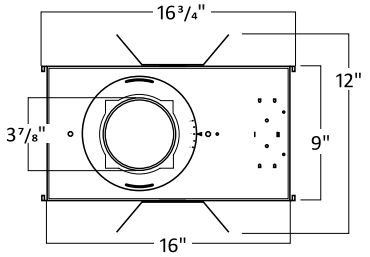
NC - Non-IC New Construction

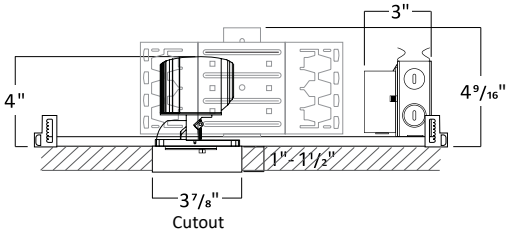
Universal bar hanger mounts on the length or width side of the fixture;
Ceiling mount bracket provides 1" adjustability.

1. Must remove spacer to achieve 1 1/2" collar height
2. Consult factory for Made to Order collar height
3. Allow 1/8" tolerance

NON-IC HOUSING DIMENSIONS 24W-32W





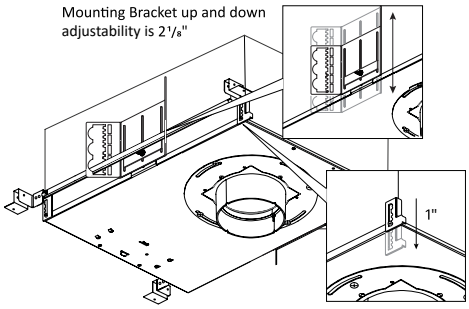


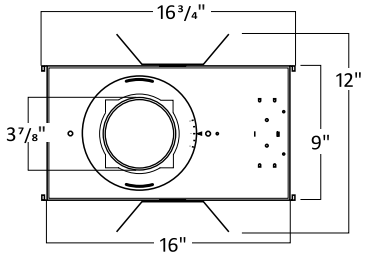
NC - Non-IC New Construction

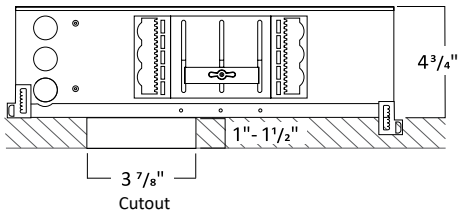
Universal bar hanger mounts on the length or width side of the fixture;
Ceiling mount bracket provides 1" adjustability.

1. Must remove spacer to achieve 1 1/2" collar height
2. Consult factory for Made to Order collar height
3. Allow 1/8" tolerance

IC HOUSING DIMENSIONS 6W-24W







IC - IC Air-Tight New Construction

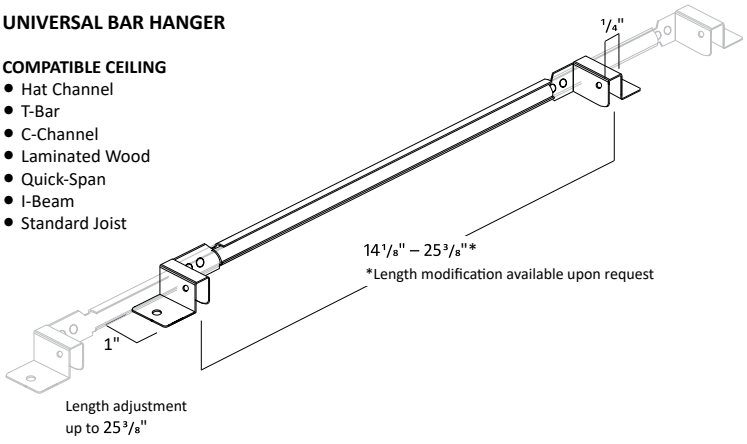
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Ceiling mount bracket provides 1" adjustability.

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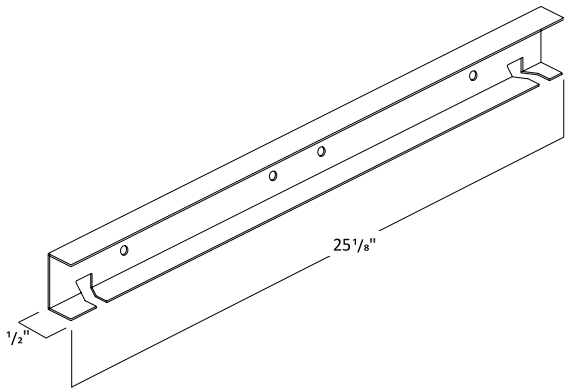
FRAME ACCESSORIES

UNIVERSAL BAR HANGER

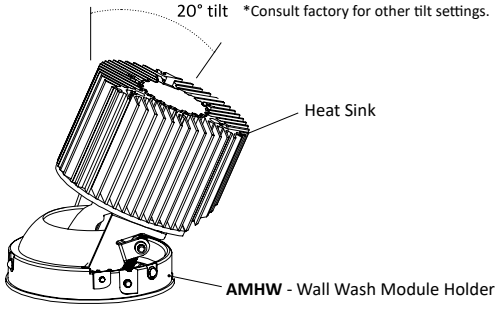
COMPATIBLE CEILING
- Hat Channel
- T-Bar
- C-Channel
- Laminated Wood
- Quick-Span
- I-Beam
- Standard Joist



C-CHANNEL BAR HANGER



LED MODULE

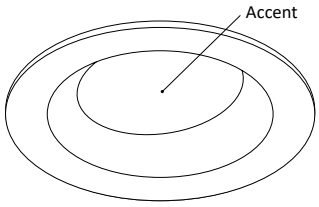


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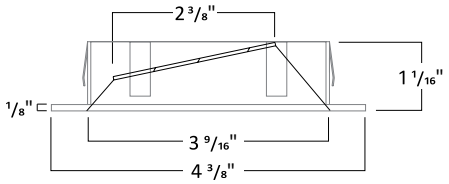
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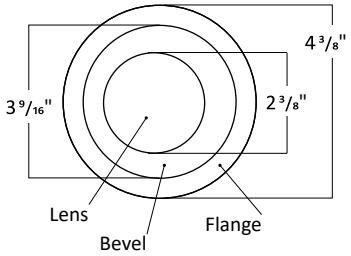
TRIM DIMENSIONS

DIE-CAST



3RFA-CL





TRIM FINISH
May be mixed and matched


White

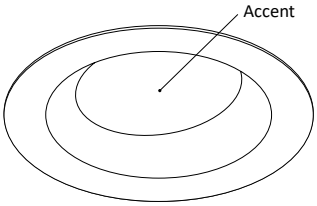

Black


Haze

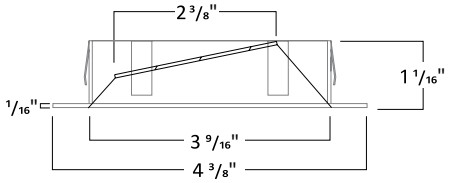

Bronze

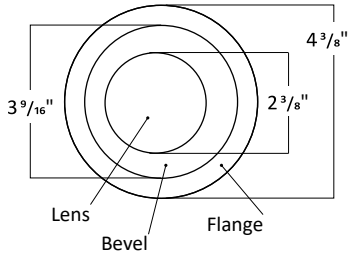
*Consult Factory for Made to Order Finishes

SPUN ALUMINUM (SELF-FLANGED)



3RFA-AL





TRIM FINISH

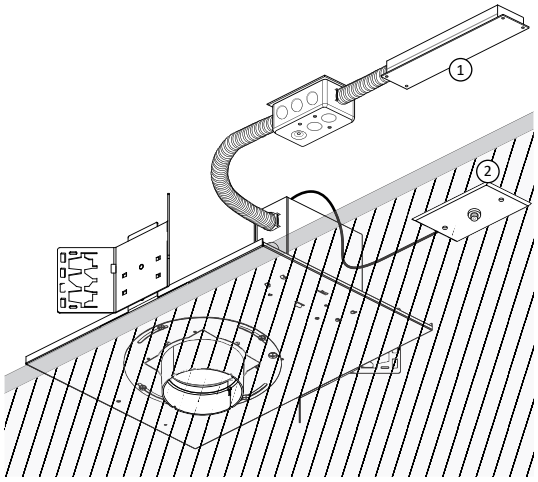

Haze


Clear

*Consult Factory for Made to Order Finishes

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REMOTE EMERGENCY BATTERY: NON-IC NEW CONSTRUCTION HOUSING

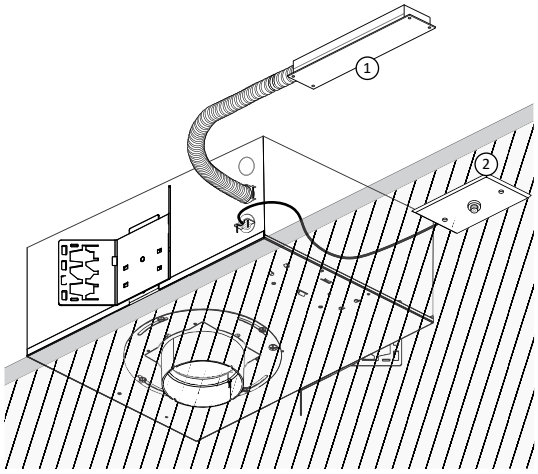


NC - Non-IC New Construction

ER8W and **ER15W** is an 8W and 15W Emergency Battery that is remote to the fixture with a remote test switch. The EM unit is accessible from below the ceiling for replacement purposes.

1. Remote Emergency Battery
2. Remote Test Switch

REMOTE EMERGENCY BATTERY: IC NEW CONSTRUCTION HOUSING

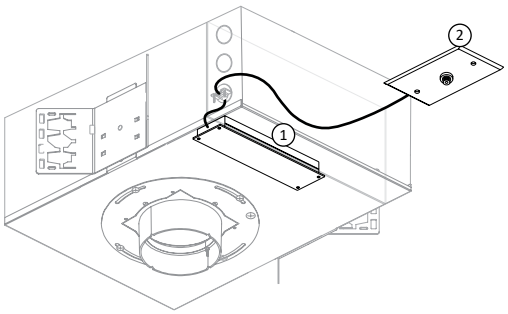


IC - IC Air-Tight New Construction

ER8W and **ER15W** is an 8W and 15W Emergency Battery that is remote to the fixture with a remote test switch. Ceiling access is required for replacement purposes

1. Remote Emergency Battery
2. Remote Test Switch

INTEGRAL EMERGENCY BATTERY: IC NEW CONSTRUCTION HOUSING



IC - IC Air-Tight New Construction

ER4W is an 4W Emergency Battery that is integral to the fixture with an remote test switch. The EM unit is accessible from below the ceiling for replacement purposes.

*Available in IC housing only

1. Integral Emergency Battery
2. Remote Test Switch

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SPACING STUDY / CALCULATED VISUAL COMPARISON

32W / 3000K / 80° / TESTED 20°

Choose the geometry. See the distribution.

Six luminaires on the same 20 ft x 10 ft wall. All nine softened presentation views use one exposure.
D = setback to wall; S = fixture spacing.

D = 2.5 FT FROM WALL	D = 3 FT FROM WALL	D = 3.5 FT FROM WALL
		
S = 2.5 ft O.C. / 6 fixtures	S = 2.5 ft O.C. / 6 fixtures	S = 2.5 ft O.C. / 6 fixtures
		
S = 3 ft O.C. / 6 fixtures	S = 3 ft O.C. / 6 fixtures	S = 3 ft O.C. / 6 fixtures
		
S = 3.5 ft O.C. / 6 fixtures	S = 3.5 ft O.C. / 6 fixtures	S = 3.5 ft O.C. / 6 fixtures

CENTRAL-BAY UNIFORMITY / INITIAL DIRECT ILLUMINANCE

D / S (ft)	Avg fc	Min fc	Max fc	Max:Avg	Min:Max
2.5 / 2.5	29.01	2.965	48.95	1.69:1	1:16.51
2.5 / 3	24.47	2.442	41.18	1.68:1	1:16.87
2.5 / 3.5	21.11	2.014	35.48	1.68:1	1:17.61
3 / 2.5	25.47	1.995	40.82	1.60:1	1:20.46
3 / 3	21.57	1.684	34.03	1.58:1	1:20.21
3 / 3.5	18.63	1.476	29.38	1.58:1	1:19.90
3.5 / 2.5	22.14	1.440	34.62	1.56:1	1:24.03
3.5 / 3	18.81	1.217	29.19	1.55:1	1:23.99
3.5 / 3.5	16.28	1.052	25.01	1.54:1	1:23.78

Direct light only; LLF = 1.00; no interreflections or obstructions. Six fixtures, C270 toward wall; no extra tilt. Central-bay 0.25 ft grid: x = -S/2 to +S/2, 1-9 ft below ceiling, boundaries included; wall ends and upper/lower 1 ft excluded. Max:Avg = Emax/Eavg (arithmetic point mean); Min:Max = Emin:Emax. Ratios use unrounded values.

Presentation view is for illustrative purposes only.

PRIME

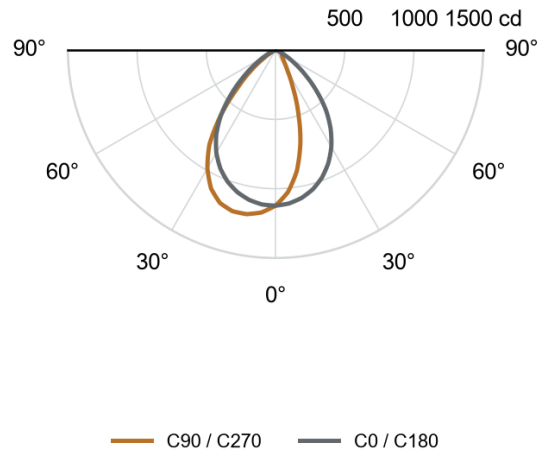
RPA3-RFW | 3" ROUND FLANGE WALL WASH

integer Lights

PHOTOMETRIC DISTRIBUTION / 24-48 IN. SPACING TABLES

32W / 3000K / 80° / TESTED 20°

Supplied file: rpa3-32w-30k-80rfw.ies. Nominal 32W, 3000K.



CANDELA SUMMARY

Vertical	C0	C90	C180	C270
0°	1123	1123	1123	1123
10°	1097	887	1084	1202
15°	1062	695	1040	1203
20°	1011	481	980	1174
30°	855	176	807	984
40°	613	84	569	616
50°	304	61	287	235
60°	92	48	94	36
70°	21	31	24	11
80°	9	12	10	4
90°	0	1	1	0

FOOTCANDLES ON WALL FROM MULTIPLE FIXTURES

Setback	24 IN. FROM WALL						36 IN. FROM WALL					
Spacing	24 IN. O.C.			36 IN. O.C.			36 IN. O.C.			48 IN. O.C.		
Below clg.	U1	M	U2	U1	M	U2	U1	M	U2	U1	M	U2
1 ft	6.6	6.9	6.6	5.1	4.0	5.1	1.7	1.7	1.7	1.3	1.3	1.3
2 ft	54.6	58.0	54.6	39.0	34.9	39.0	7.7	8.6	7.7	6.5	5.6	6.5
3 ft	75.9	75.4	75.8	50.1	51.0	50.1	24.3	25.8	24.3	18.7	18.3	18.7
4 ft	61.7	61.2	61.7	41.1	41.5	41.0	33.5	33.9	33.5	25.0	25.2	25.0
5 ft	45.4	45.3	45.3	31.0	31.0	31.0	32.4	32.0	32.3	23.8	24.3	23.8
6 ft	33.0	33.1	33.0	23.2	23.3	23.2	27.4	27.2	27.4	20.6	20.6	20.6
7 ft	24.2	24.4	24.2	17.6	17.7	17.6	22.4	22.3	22.4	17.1	17.0	17.0
8 ft	18.1	18.2	18.1	13.6	13.7	13.6	18.2	18.1	18.1	14.0	14.0	14.0
9 ft	13.7	13.9	13.7	10.6	10.8	10.6	14.7	14.7	14.7	11.5	11.5	11.5
10 ft	10.6	10.7	10.6	8.5	8.6	8.5	11.9	12.0	11.9	9.5	9.6	9.5

U1 / M / U2 = under fixture / midpoint / under adjacent fixture across the central bay. Six centered luminaires; direct light, LLF = 1.00, C270 toward wall. No extra tilt. Rows of 1-10 ft below ceiling equal 9-0 ft above floor on a 10 ft wall. 1 fc = 10.764 lux.

Setback / spacing	Avg fc*	Min fc*	Max fc*	Max:Avg*
24 / 24 in.	40.00	6.578	76.44	1.91:1
24 / 36 in.	27.52	3.882	51.60	1.88:1
36 / 36 in.	21.57	1.684	34.03	1.58:1
36 / 48 in.	16.36	1.256	25.89	1.58:1

* Max:Avg = peak / arithmetic mean. Central bay: 0.25 ft grid, 1-9 ft below ceiling. Illuminance table includes a floor-level row.