

SPECIFICATION SHEET

UR4H

4" Series

Square Shower Trim with Square Opening

Project _____

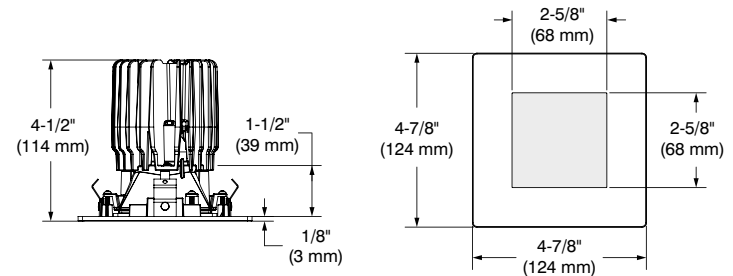
Notes _____

Fixture Type _____

Date _____



UR4HF-12BRAN (illustrated)



SPECIFICATIONS

LED MODULE

STANDARD (SOLID WHITE) [JAB](#)

Lumileds Luxeon CoB 1203 GEN4

L₇₀ @ 50,000 hours of operation. 3-Step MacAdam ellipse (3 SDCM)

Color temperatures: 2,700K - 3,000K - 3,500K - 4,000K

CRI: 80+ (only 2,700K and 3,000K), 90+ ([JAB](#))

Delivered Lumens: Performance 1 (10W) - 806 lumens @ 3,000K, 81 lm/W
 Performance 2 (15W) - 1,050 lumens @ 3,000K, 70 lm/W
 Performance 3 (24W) - 1,575 lumens @ 3,000K, 66 lm/W

Power supply (*determined by the choice of housing*): 120V, 277V or 120V/277V

Several driver models available in three performances (10W, 15W and 24W) offered in two dimming options:

ELV: 120V only 0-10V: 120V / 277V

Consult housing specification sheet for more details.

WARM DIMMING (WD)

LTF LED Module mimicking the halogen lamp dimming conditions by lowering color temperature from 3,050K at full intensity down to 1,800K at low-end while ensuring 90+ CRI throughout the whole process.

L₇₀ @ 50,000 hours of operation. 3-Step MacAdam ellipse (3 SDCM)

Color Temperature: 3,050K to 1,800K

CRI: 90+ (over the entire dimming range)

Delivered Lumens: Performance 1 (10W) - up to 475 lumens
 Performance 2 (15W) - up to 625 lumens
 Performance 3 (24W) - up to 915 lumens

Power supply (*determined by the choice of housing*): 120V, 277V or 120V/277V

Several driver models available in three performances (10W, 15W and 24W) offered in two dimming options:

ELV: 120V only 0-10V: 120V / 277V

Consult housing specification sheet for more details.

CEILING CUTOUT

ø 4-1/4" (108 mm)

CERTIFICATION

- cULus **E343977** for wet locations
- Certified under California Energy Commission according to reference joint Appendix 8 (JA8-2016)

WARRANTY

1 year limited warranty on components against manufacturing defects
 5-year limited warranty on LED arrays and drivers

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SPECIFICATION SHEET

UR4H

4" Series

Square Shower Trim with Square Opening



SPECIFICATIONS (CONT'D)

COMPATIBLE HOUSINGS

	Remodel Housings	New Construction Housings	IC Housings
<p>Performance 1 10W</p> <p>Warm Dimming not compatible</p>	<p>IC Air Tight REUR4-120D1 REUR4-120E1 REUR4-277D1 REUR4-UV1</p>	<p>IC Air Tight NWUR4-120D1 NWUR4-120E1 NWUR4-277D1 NWUR4-UV1</p> <p>Non-IC Air Tight Emergency Driver NWUR4-120D1-EM NWUR4-120E1-EM NWUR4-277D1-EM NWUR4-UV1-EM</p>	<p>IC Air Tight ISUR4-120D1 ISUR4-120E1 ISUR4-277D1 ISUR4-UV1</p> <p>IC Air Tight Chicago Plenum and Polyurethane ISUR4-120D1P ISUR4-120E1P ISUR4-277D1P ISUR4-UV1P</p>
<p>Performance 2 15W MAX</p>	<p>Non-IC Air Tight REUR4-120D2 REUR4-120E2 REUR4-120EB2 REUR4-2772 REUR4-277D2 REUR4-UV2</p>	<p>Non-IC Air Tight NWUR4-120D2 NWUR4-120E2 NWUR4-120EB2 NWUR4-2772 NWUR4-277D2 NWUR4-UV2</p> <p>Non-IC Air Tight Emergency Driver NWUR4-120D2-EM NWUR4-120E2-EM NWUR4-120EB2-EM NWUR4-2772-EM NWUR4-277D2-EM NWUR4-UV2-EM</p>	<p>IC Air Tight ISUR4-120D2 ISUR4-120E2 ISUR4-120EB2 ISUR4-2772 ISUR4-277D2 ISUR4-UV2</p> <p>IC Air Tight Chicago Plenum ISUR4-120D2P ISUR4-120E2P ISUR4-120EB2P ISUR4-2772P ISUR4-277D2P ISUR4-UV2P</p>
<p>Performance 3 24W MAX</p>	N/A	<p>Non-IC Non-Air Tight NWUR4-UV3</p> <p>Non-IC Non-Air Tight Emergency Driver NWUR4-UV3-EM</p>	N/A

For dimming, please visit our Web site frequently to find our suggested compatible dimmers list:
www.contrastlighting.com

Contraste suggests ordering
EB2 (ELV (+Value)/15W), D2 (0-10V/15W)
or
UV2 (ELV/0-10V/15W) and UV3 (ELV/0-10V/24W)
dimming type and performance to use with Warm Dimming

COMPATIBLE HOUSINGS



	Remodel Housings	New Construction Housings	IC Housings
<p>Performance 1 10W</p>	<p>IC Air Tight REUR4-120D1</p>	<p>IC Air Tight NWUR4-120D1</p>	<p>IC Air Tight ISUR4-120D1</p>
<p>Performance 2 15W MAX</p>	N/A	N/A	<p>IC Air Tight ISUR4-120D2</p>

For dimming, please visit our Web site frequently to find our suggested compatible dimmers list:
www.contrastlighting.com

Contraste suggests ordering
EB2 (ELV (+Value)/15W), D2 (0-10V/15W)
or
UV2 (ELV/0-10V/15W)
dimming type and performance to use with Warm Dimming

CONTRASTE

SPECIFICATION SHEET

UR4H**4" Series****Square Shower Trim with Square Opening**

SPECIFICATIONS (CONT'D)

TRIM	Powder coat painted or plated aluminum injected. Double seals. Different finishes available: White (-01) , Brushed Chrome (-04BR) , Matte White (-11) , Brushed Nickel (-12BR) , Satin Nickel (-13) , Matte Black (-22) and Polar Grey (-25)				
REFLECTORS	PAINTED Natural Anodized Aluminum (AN) Matte White (11) Matte Black (22)				
HEAT SINK	High quality aluminum injected heat sink ensuring maximum heat dissipation.				
OPTIC SYSTEM	Optical reflectors and lenses available to customize your lighting. Choice of available lenses: Clear (C) Frosted (F) Optical reflectors available: Narrow Flood and Flood Standard <table border="1"> <tr> <td>Narrow Flood (L)</td> <td>32°</td> </tr> <tr> <td>Flood (L) </td> <td>48°</td> </tr> </table> <p>* Average beams shown. Consult .ies files on our Website for more details.</p>	Narrow Flood (L)	32°	Flood (L)	48°
Narrow Flood (L)	32°				
Flood (L)	48°				
ACCESSORIES	Goof Rings (see ordering code)				

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SPECIFICATION SHEET

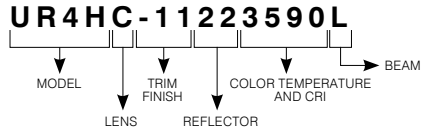
UR4H

4" Series

Square Shower Trim with Square Opening



CODIFICATION EXAMPLE



JA8 certified trim available with clear lens (C) only.
Not available with Warm Dimming

Options in red may generate a longer production lead time.

ORDERING CODES

MODEL	LENSES	TRIM FINISHES	REFLECTOR FINISHES	COLOR TEMPERATURE AND CRI	BEAMS
UR4H					
UR4H	C Clear	-01 White	PAINTED	2780 2,700K (80+ CRI)	M Narrow Flood (32°)
	F Frosted	-04BR Brushed Chrome	AN Natural Anodized Aluminum	3080 3,000K (80+ CRI)	L Flood (48°)
		-11 Matte White	11 Matte White	2790 2,700K (90+ CRI)	
		-12BR Brushed Nickel	22 Matte Black	3090 3,000K (90+ CRI)	
		-22 Matte Black		3590 3,500K (90+ CRI)	
		-25 Polar Grey		4090 4,000K (90+ CRI)	
		-13 <i>Satin Nickel</i>			
		<i>(-25 finish perfectly matches with AN reflector)</i>		WD90 Warm Dimming 3,050K to 1,800K (90+ CRI)	
<i>Compatible with 15W and 24W drivers only (EB2, D2, UV2 and UV3)</i>					

GOOF RINGS

Goof rings will help you fix larger than necessary or damaged ceiling cutouts.

- Code: RS4-01** (white)
RS4-04BR (brushed chrome)
RS4-11 (matte white)
RS4-12BR (brushed nickel)
RS4-13 (satin nickel)
RS4-22 (matte black)
RS4-25 (polar grey)

Outside diameter: 5-1/2" (140 mm) x 5-1/2" (140 mm)
 Inside diameter: ø 4-1/8" (105 mm)

SPECIFICATION SHEET

UR4H**4" Series****Square Shower Trim with Square Opening**

PHOTOMETRIC DATA



In order to obtain the accurate photometric data, multiply the lumens relative to your product selection by the applicable factor(s). Take note these factors also need to be implemented in the .ies files available on our website.

WITH PERFORMANCE 1 HOUSING (10W)

Narrow Flood (32°)			Flood (48°)		
2,700K with 80+ CRI	787 lm	79 lm/W	2,700K with 80+ CRI	787 lm	79 lm/W
3,000K with 80+ CRI	806 lm	81 lm/W	3,000K with 80+ CRI	806 lm	81 lm/W
2,700K with 90+ CRI	653 lm	65 lm/W	2,700K with 90+ CRI	653 lm	65 lm/W
3,000K with 90+ CRI	676 lm	68 lm/W	3,000K with 90+ CRI	676 lm	68 lm/W
3,500K with 90+ CRI	713 lm	71 lm/W	3,500K with 90+ CRI	713 lm	71 lm/W
4,000K with 90+ CRI	732 lm	73 lm/W	4,000K with 90+ CRI	732 lm	73 lm/W
Warm Dimming with 90+ CRI	475 lm	47.5 lm/W	Warm Dimming with 90+ CRI	475 lm	47.5 lm/W

Performance 1 Housings Factors		Lens Factors		Reflector Factors			
XXUR-120E1	0.90	C	1	11	1	AN	0.99
XXUR-120D1 ou XXUR-277D1	1	F	0.69	22	0.97		

WITH PERFORMANCE 2 HOUSING (15W)

Narrow Flood (32°)			Flood (48°)		
2,700K with 80+ CRI	1,025 lm	68 lm/W	2,700K with 80+ CRI	1,025 lm	68 lm/W
3,000K with 80+ CRI	1,050 lm	70 lm/W	3,000K with 80+ CRI	1,050 lm	70 lm/W
2,700K with 90+ CRI	851 lm	57 lm/W	2,700K with 90+ CRI	851 lm	57 lm/W
3,000K with 90+ CRI	880 lm	59 lm/W	3,000K with 90+ CRI	880 lm	59 lm/W
3,500K with 90+ CRI	929 lm	62 lm/W	3,500K with 90+ CRI	929 lm	62 lm/W
4,000K with 90+ CRI	954 lm	64 lm/W	4,000K with 90+ CRI	954 lm	64 lm/W
Warm Dimming with 90+ CRI	625 lm	42 lm/W	Warm Dimming with 90+ CRI	625 lm	42 lm/W

Performance 2 Housings Factors		Lens Factors		Reflector Factors			
XXUR-120E2	0.95	C	1	11	1	AN	0.99
XXUR-120EB2, XXUR-120D2, XXUR-2772 ou XXUR-277D2	1	F	0.69	22	0.97		

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UR4H

4" Series

Square Shower Trim with Square Opening

PHOTOMETRIC DATA



WITH PERFORMANCE 3 HOUSING (24W)

	Narrow Flood (32°)	
2,700K with 80+ CRI	1,537 lm	64 lm/W
3,000K with 80+ CRI	1,575 lm	66 lm/W

	Flood (48°)	
2,700K with 80+ CRI	1,537 lm	64 lm/W
3,000K with 80+ CRI	1,575 lm	66 lm/W

2,700K with 90+ CRI	1,277 lm	53 lm/W
3,000K with 90+ CRI	1,320 lm	55 lm/W
3,500K with 90+ CRI	1,393 lm	58 lm/W
4,000K with 90+ CRI	1,430 lm	60 lm/W
Warm Dimming with 90+ CRI	915 lm	38 lm/W

2,700K with 90+ CRI	1,277 lm	53 lm/W
3,000K with 90+ CRI	1,320 lm	55 lm/W
3,500K with 90+ CRI	1,393 lm	58 lm/W
4,000K with 90+ CRI	1,430 lm	60 lm/W
Warm Dimming with 90+ CRI	915 lm	38 lm/W

Lens Factors	
C	1
F	0.69

Reflector Factors			
11	1	AN	0.99
22	0.97		

UR4H

4" Series

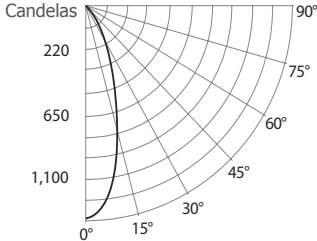
Square Shower Trim with Square Opening

PHOTOMETRIC DATA



3,000K, 90+ CRI, Narrow Flood, Performance 1 — WITH FROSTED LENS

CANDLEPOWER DISTRIBUTION



LIGHT CONE

Distance	FC	DIA
06'	35.9	3.5'
08'	20.2	4.7'
10'	12.9	5.9'
12'	8.9	7.1'
14'	6.6	8.3'
16'	5.1	9.5'

Beam: 32.9°
Beam Edge defined as 50% of Maximum Nadir Candle-power.

LUMINAIRE

Performance 1 LED	3,000K	Narrow Flood
CBCP / Lumens	1,292	/ 468.9
Watts	120V	277V
	10W	10.5W
Operating AMPS	0.08A	0.038A
Lumen Maintenance	L70 @ 50,000 Hrs	
CRI	90+	
Lumens/Watt	46.8	
Spacing Criteria	0.56	

COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80		50		30	
Wall Reflect %	50	30	50	30	50	30
RCR 0	119	119	111	111	106	106
2	106	103	102	99	99	97
4	96	92	93	90	91	88
6	88	83	86	82	85	81
8	81	76	80	76	79	75
10	75	71	74	70	73	70

Zonal Cavity Method
Effective Floor Cavity Reflectance 20%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	432.8	92.3%
0-40	465.4	99.2%
0-60	468.9	100%
60-90	0	0%
0-90	468.9	100%

MULTIPLE UNIT DATA - (RCR 2)

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/SQ. FT.
5'	23	0.44
6'	18	0.34
7'	13	0.25
8'	9	0.17
9'	9	0.17

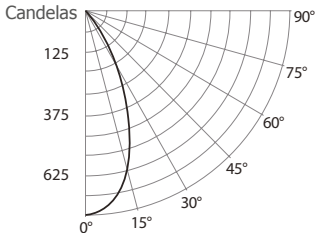
38' x 38' x 10' Room. Workplan located 2-1/2' (30").
Reflectance factor 80%/50%/30%

CANDELAS DISTRIBUTION

DEGREES/VERTICAL	CANDELAS
0	1,292
15	723
30	138
45	3
60	0
75	0
90	0

3,000K, 90+ CRI, Flood, Performance 1 — WITH FROSTED LENS

CANDLEPOWER DISTRIBUTION



LIGHT CONE

Distance	FC	DIA
06'	20.7	5.4'
08'	11.6	7.2'
10'	7.5	9.0'
12'	5.2	10.8'
14'	3.8	12.6'
16'	2.9	14.4'

Beam: 48.4°
Beam Edge defined as 50% of Maximum Nadir Candle-power.

LUMINAIRE

Performance 1 LED	3,000K	Flood
CBCP / Lumens	745	/ 469.5
Watts	120V	277V
	10W	10.5W
Operating AMPS	0.08A	0.038A
Lumen Maintenance	L70 @ 50,000 Hrs	
CRI	90+	
Lumens/Watt	46.9	
Spacing Criteria	0.82	

COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80		50		30	
Wall Reflect %	50	30	50	30	50	30
RCR 0	119	119	111	111	106	106
2	105	101	100	97	97	94
4	93	88	89	85	87	84
6	83	77	81	76	79	75
8	75	69	73	68	72	68
10	68	62	67	62	66	62

Zonal Cavity Method
Effective Floor Cavity Reflectance 20%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	386.5	82.3%
0-40	452.9	96.5%
0-60	468.7	99.8%
60-90	0.8	0.2%
0-90	469.5	100%

MULTIPLE UNIT DATA - (RCR 2)

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/SQ. FT.
5'	23	0.44
6'	18	0.34
7'	13	0.25
8'	9	0.17
9'	9	0.17

38' x 38' x 10' Room. Workplan located 2-1/2' (30").
Reflectance factor 80%/50%/30%

CANDELAS DISTRIBUTION

DEGREES/VERTICAL	CANDELAS
0	745
15	590
30	206
45	16
60	1
75	0
90	0

UR4H

4" Series

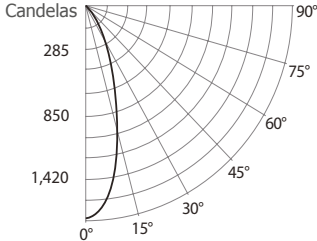
Square Shower Trim with Square Opening

PHOTOMETRIC DATA



3,000K, 90+ CRI, Narrow Flood, Performance 2 — WITH FROSTED LENS

CANDLEPOWER DISTRIBUTION



LIGHT CONE

Distance	FC	DIA
06'	46.8	3.5'
08'	26.3	4.7'
10'	16.8	5.9'
12'	11.7	7.1'
14'	8.6	8.3'
16'	6.6	9.5'

Beam: 33°
Beam Edge defined as 50% of Maximum Nadir Candle-power.

LUMINAIRE

Performance 2 LED	3,000K Narrow Flood	
CBCP / Lumens	1,683 / 611.1	
Watts	120V	277V
	15W	15.5W
Operating AMPS	0.12A	0.055A
Lumen Maintenance	L70 @ 50,000 Hrs	
CRI	90+	
Lumens/Watt	40.7	
Spacing Criteria	0.56	

COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80			50			30		
Wall Reflect %	50	30	50	30	50	30			
RCR 0	119	119	111	111	106	106			
2	106	103	102	99	99	97			
4	96	92	93	90	91	88			
6	88	83	86	82	85	81			
8	81	76	80	76	79	75			
10	75	71	74	70	73	70			

Zonal Cavity Method
Effective Floor Cavity Reflectance 20%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	563.7	92.2%
0-40	606.3	99.2%
0-60	611.1	100%
60-90	0	0%
0-90	611.1	100%

MULTIPLE UNIT DATA - (RCR 2)

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/SQ. FT.
5'	30	0.66
6'	23	0.51
7'	17	0.37
8'	12	0.26
9'	12	0.26

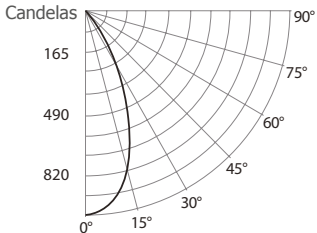
38' x 38' x 10' Room. Workplan located 2-1/2' (30").
Reflectance factor 80%/50%/30%

CANDELA DISTRIBUTION

DEGREES/VERTICAL	CANDELAS
0	1,683
15	942
30	180
45	4
60	0
75	0
90	0

3,000K, 90+ CRI, Flood, Performance 2 — WITH FROSTED LENS

CANDLEPOWER DISTRIBUTION



LIGHT CONE

Distance	FC	DIA
06'	26.9	5.4'
08'	15.2	7.2'
10'	9.7	9.0'
12'	6.7	10.8'
14'	4.9	12.6'
16'	3.8	14.4'

Beam: 48.4°
Beam Edge defined as 50% of Maximum Nadir Candle-power.

LUMINAIRE

Performance 2 LED	3,000K Flood	
CBCP/ Lumens	971 / 612	
Watts	120V	277V
	15W	15.5W
Operating AMPS	0.12A	0.055A
Lumen Maintenance	L70 @ 50,000 Hrs	
CRI	90+	
Lumens/Watt	40.8	
Spacing Criteria	0.82	

COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80			50			30		
Wall Reflect %	50	30	50	30	50	30			
RCR 0	119	119	111	111	106	106			
2	105	101	100	97	97	94			
4	93	88	89	85	88	84			
6	83	77	81	76	79	75			
8	75	69	73	68	72	68			
10	68	62	67	62	66	62			

Zonal Cavity Method
Effective Floor Cavity Reflectance 20%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	503.8	82.3%
0-40	590.6	96.5%
0-60	611.0	99.8%
60-90	1.0	0.2%
0-90	612	100%

MULTIPLE UNIT DATA - (RCR 2)

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/SQ. FT.
5'	30	0.66
6'	23	0.51
7'	17	0.37
8'	12	0.26
9'	12	0.26

38' x 38' x 10' Room. Workplan located 2-1/2' (30").
Reflectance factor 80%/50%/30%

CANDELA DISTRIBUTION

DEGREES/VERTICAL	CANDELAS
0	971
15	768
30	268
45	22
60	2
75	0
90	0

UR4H

4" Series

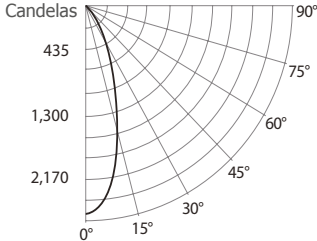
Square Shower Trim with Square Opening

PHOTOMETRIC DATA



3,000K, 90+ CRI, Narrow Flood, Performance 3 — WITH FROSTED LENS

CANDLEPOWER DISTRIBUTION



LIGHT CONE

Distance	FC	DIA
06'	70.1	3.5'
08'	39.4	4.7'
10'	25.2	5.9'
12'	17.5	7.1'
14'	12.9	8.3'
16'	9.9	9.5'

Beam: 33°
Beam Edge defined as 50% of Maximum Nadir Candle-power.

LUMINAIRE

Performance 3 LED	3,000K	Narrow Flood
CBCP / Lumens	2,523	/ 915.9
120V	277V	
Watts	24W	24.5W
Operating AMPS	0.20A	0.088A
Lumen Maintenance	L70 @ 50,000 Hrs	
CRI	90+	
Lumens/Watt	38.2	
Spacing Criteria	0.56	

COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80			50			30		
Wall Reflect %	50	30	50	30	50	30	50	30	
RCR 0	119	119	111	111	106	106	106	106	
2	106	103	102	99	99	97	99	97	
4	96	92	93	90	91	88	91	88	
6	88	83	86	82	85	81	85	81	
8	81	76	80	76	79	75	79	75	
10	75	71	74	70	73	70	73	70	

Zonal Cavity Method
Effective Floor Cavity Reflectance 20%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	844.9	92.2%
0-40	908.7	99.2%
0-60	915.9	100%
60-90	0	0%
0-90	915.9	100%

MULTIPLE UNIT DATA - (RCR 2)

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/SQ. FT.
5'	28	0.66
6'	30	0.70
7'	26	0.60
8'	18	0.42
9'	18	0.42

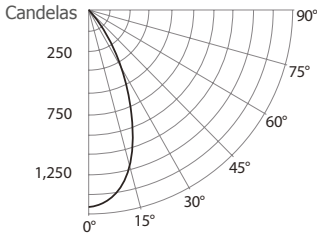
38' x 38' x 10' Room. Workplan located 2-1/2' (30").
Reflectance factor 80%/50%/30%

CANDELAS DISTRIBUTION

DEGREES/VERTICAL	CANDELAS
0	2,523
15	1,411
30	270
45	6
60	0
75	0
90	0

3,000K, 90+ CRI, Flood, Performance 3 — WITH FROSTED LENS

CANDLEPOWER DISTRIBUTION



LIGHT CONE

Distance	FC	DIA
06'	40.5	5.4'
08'	22.8	7.2'
10'	14.6	9.0'
12'	10.1	10.8'
14'	7.4	12.6'
16'	5.7	14.4'

Beam: 48.4°
Beam Edge defined as 50% of Maximum Nadir Candle-power.

LUMINAIRE

Performance 3 LED	3,000K	Flood
CBCP / Lumens	1,456	/ 918
120V	277V	
Watts	24W	24.5W
Operating AMPS	0.20A	0.088A
Lumen Maintenance	L70 @ 50,000 Hrs	
CRI	90+	
Lumens/Watt	38.2	
Spacing Criteria	0.82	

COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80			50			30		
Wall Reflect %	50	30	50	30	50	30	50	30	
RCR 0	119	119	111	111	106	106	106	106	
2	105	101	100	97	97	94	97	94	
4	93	88	89	85	88	84	88	84	
6	83	77	81	76	79	75	79	75	
8	75	69	73	68	72	68	72	68	
10	68	62	67	62	66	62	66	62	

Zonal Cavity Method
Effective Floor Cavity Reflectance 20%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	755.7	82.3%
0-40	885.9	96.5%
0-60	916.6	99.8%
60-90	1.4	0.2%
0-90	918	100%

MULTIPLE UNIT DATA - (RCR 2)

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/SQ. FT.
5'	28	0.66
6'	29	0.70
7'	25	0.60
8'	18	0.42
9'	18	0.42

38' x 38' x 10' Room. Workplan located 2-1/2' (30").
Reflectance factor 80%/50%/30%

CANDELAS DISTRIBUTION

DEGREES/VERTICAL	CANDELAS
0	1,456
15	1,152
30	402
45	32
60	3
75	0
90	0