

# UR4C

## 4" Series Round Shower Trim



Project \_\_\_\_\_

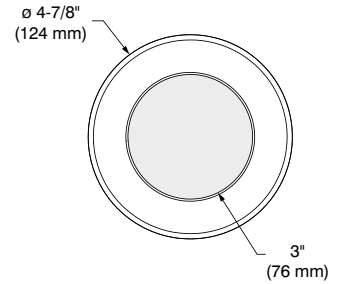
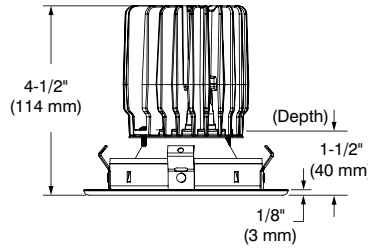
Notes \_\_\_\_\_

Fixture Type \_\_\_\_\_

Date \_\_\_\_\_



UR4CF-11AN (illustrated)



## SPECIFICATIONS

### LED MODULE

#### SOLID COLORS

Lumileds Luxeon CoB

2,700K - CRI: 80+

3,000K - CRI: 80+

2,700K - CRI: 90+

3,000K - CRI: 90+

3,500K - CRI: 90+

4,000K - CRI: 90+



Lumens Maintenance:

$L_{70}$  @ 50,000 hours

Color Binning: 3 SDCM

### LED MODULE (CONT'D)

#### WARM DIMMING (WD)

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.

Lumens Maintenance:

$L_{70}$  @ 50,000 hours

Color Binning: 3 SDCM

### DELIVERED LUMENS

**Performance 1 (10W):**

**827 lumens @ 3,000K, 82.7 lms/W**

**Performance 2 (15W):**

**1,076 lumens @ 3,000K, 71.7 lms/W**

Warm Dimming (WD)

**527 lumens @ 3,000K, 35.1 lms/W**

### OPTIC SYSTEM\*

Optical reflectors available:

Narrow Flood and Flood

#### Standard

Narrow Flood (M)	32°
Flood (L)	48°

\* Average beams shown. Consult .ies files on our Website for more details.

### LENSES

Clear (C)

Frosted (F)

Frosted Clear Center (FC)

### POWER SUPPLY

**(Determined by the choice of housing)**

120V, 277V or 120V-277V

Several driver models available in two performances (10W and 15W) and in two dimming options (ELV and 0-10V).

See housing specification sheets for more details.

### HEAT SINK

High quality aluminum injected heat sink ensuring maximum heat dissipation.

### TRIM

Powder coat painted or plated die-formed steel. Double seals.

### PAINTED REFLECTORS

Natural Anodized Aluminum (AN)

Matte White (11)

Matte Black (22)

### CEILING CUTOUT

ø 4-1/4" (108 mm)

# UR4C

## 4" Series Round Shower Trim



### SPECIFICATIONS (CONT'D)

#### COMPATIBLE HOUSINGS

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

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

[www.contrastlighting.com](http://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



#### COMPATIBLE HOUSINGS

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

#### CERTIFICATION

cULus **E343977** for wet locations  
 Certified under California Energy Commission according to reference Appendix JA8

#### WARRANTY

1 year on components against manufacturing defects  
 5 years on LED arrays and drivers

# CONTRASTE

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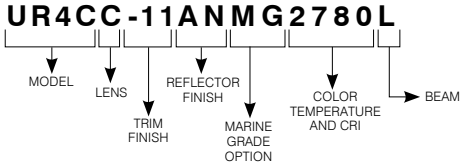
SPECIFICATION SHEET

# UR4C

## 4" Series Round Shower Trim



**CODIFICATION EXAMPLE**



**JA8** certified trim available with clear lens (C) and with 90+ CRI only. Not available with Warm Dimming

**ORDERING CODES**

MODEL	LENSES	TRIM FINISHES	REFLECTOR FINISHES	MARINE GRADE	COLOR TEMPERATURES AND CRI	BEAMS
<b>UR4C</b>						
<b>UR4C</b>	<b>C</b> Clear	<b>-01</b> White	<b>PAINTED</b>	<b>MG (optional)</b>	<b>2780</b> 2,700K (80+ CRI)	<b>M</b> Narrow Flood (32°)
	<b>F</b> Frosted	<b>-03SA</b> Satin Gold	<b>AN</b> Natural Anodized Aluminum	May be applied	<b>3080</b> 3,000K (80+ CRI)	<b>L</b> Flood (48°)
	<b>FC</b> Frosted Clear Center	<b>-04BR</b> Brushed Chrome	<b>11</b> Matte White	on finishes: -01, -11, -22 and -25	<b>2790</b> 2,700K (90+ CRI)	
		<b>-11</b> Matte White	<b>22</b> Matte Black		<b>3090</b> 3,000K (90+ CRI)	
		<b>-12BR</b> Brushed Nickel			<b>3590</b> 3,500K (90+ CRI)	
		<b>-13</b> Satin Nickel	(Not available with <b>-03SA</b> finish)		<b>4090</b> 4,000K (90+ CRI)	
		<b>-22</b> Matte Black			<b>WD90</b> Warm Dimming (90+ CRI)	
		<b>-25</b> Polar Grey	(-25 finish perfectly matches with <b>AN</b> reflector finish)			Compatible with 15W drivers only (EB2, D2 and UV2)

**GOOF RINGS**

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

- Code:** **RR4-01** (White)  
**RR4-03SA** (Satin Gold)  
**RR4-04BR** (Brushed Chrome)  
**RR4-11** (Matte White)  
**RR4-12BR** (Brushed Nickel)  
**RR4-13** (Satin Nickel)  
**RR4-22** (Matte Black)  
**RR4-25** (Polar Grey)

Outside diameter: ø 6-1/8" (156 mm)  
 Inside diameter: ø 4-1/8" (105 mm)

**MARINE GRADE**

2-year warranty on finish  
 This option increases the painted finishes resistance by reducing and delaying apparition and propagation of oxidation (ex: rust and others).  
 MARINE GRADE treatment is recommended for damp to wet locations.  
 Unless otherwise indicated, trims are for interior use. Also suitable for cold and exterior locations, as in soffits, where fixtures are not subject to direct rain or snow exposure.  
**WARNING** – This option is not suitable for salt environments and/or highly corrosive areas such as soffits in coastal regions and natatoriums. Such usage would void warranty on the product.

# UR4C

## 4" Series Round Shower Trim



### PHOTOMETRIC DATA

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

#### With performance 1 housing

	Narrow Flood (32°)	
2,700K with 80+ CRI	807 lm	80.7 lm/W
3,000K with 80+ CRI	827 lm	82.7 lm/W
2,700K with 90+ CRI	670 lm	67 lm/W
3,000K with 90+ CRI	693 lm	69.3 lm/W
3,500K with 90+ CRI	731 lm	73.1 lm/W
4,000K with 90+ CRI	751 lm	75.1 lm/W
Warm Dimming with 90+ CRI	Not available With performance1 housings	

	Flood (48°)	
2,700K with 80+ CRI	807 lm	80.7 lm/W
3,000K with 80+ CRI	827 lm	82.7 lm/W
2,700K with 90+ CRI	670 lm	67 lm/W
3,000K with 90+ CRI	693 lm	69.3 lm/W
3,500K with 90+ CRI	731 lm	73.1 lm/W
4,000K with 90+ CRI	751 lm	75.1 lm/W
Warm Dimming with 90+ CRI	Not available With performance1 housings	



Performance 1 Housings Factors	
XXUR-120E1	0.90
XXUR-120D1 or XXUR-277D1	1

#### With performance 2 housing

	Narrow Flood (32°)	
2,700K with 80+ CRI	1,051 lm	70 lm/W
3,000K with 80+ CRI	1,076 lm	71.7 lm/W
2,700K with 90+ CRI	873 lm	58.2 lm/W
3,000K with 90+ CRI	902 lm	60.1 lm/W
3,500K with 90+ CRI	952 lm	63.4 lm/W
4,000K with 90+ CRI	978 lm	65.2 lm/W
Warm Dimming with 90+ CRI	527 lm	35.1 lm/W

	Flood (48°)	
2,700K with 80+ CRI	1,051 lm	70 lm/W
3,000K with 80+ CRI	1,076 lm	71.7 lm/W
2,700K with 90+ CRI	873 lm	58.2 lm/W
3,000K with 90+ CRI	902 lm	60.1 lm/W
3,500K with 90+ CRI	952 lm	63.4 lm/W
4,000K with 90+ CRI	978 lm	65.2 lm/W
Warm Dimming with 90+ CRI	527 lm	35.1 lm/W



Performance 2 Housings Factors	
XXUR-120E2	0.95
XXUR-120EB2, XXUR-120D2, XXUR-2772 or XXUR-277D2	1

Lens Factors	
C	1
F	0.69
FC	0.99

Reflectors Factors	
AN	0.99
11	1
22	0.97

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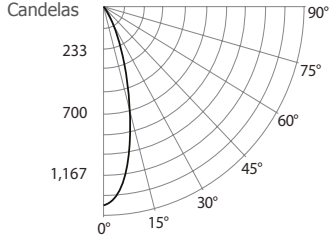
## 4" Series Round Shower Trim



### PHOTOMETRIC DATA

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

##### CANDLEPOWER DISTRIBUTION



##### LIGHT CONE

Distance	FC	DIA
06'	36.9	3.5'
08'	20.8	4.7'
10'	13.3	5.9'
12'	9.2	7.1'
14'	6.8	8.3'
16'	5.2	9.5'

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

##### LUMINAIRE

Performance 1 LED	3,000K Narrow Flood	
CBCP / Lumens	1,328	/ 481.7
Watts	120V	277V
	10W	10W
Operating AMPS	0.083A	0.036A
Lumen Maintenance	L70 @ 50,000 Hrs	
CRI	90+	
Lumens/Watt	48.2	
Spacing Criteria	0.14	

##### 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	97	94	94	94	
4	96	92	93	90	87	84	84	84	
6	88	83	86	82	79	75	75	75	
8	81	76	80	76	72	68	68	68	
10	75	71	74	70	66	61	61	61	

Zonal Cavity Method  
Effective Floor Cavity Reflectance 20%

##### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	444.4	92.3%
0-40	478.0	99.2%
0-60	481.7	100%
60-90	0.000	0%
0-90	481.7	100%

##### MULTIPLE UNIT DATA - (RCR 2)

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/SQ. FT.
5'	24	0.44
6'	13	0.25
7'	9	0.17
8'	9	0.17
9'	6	0.11

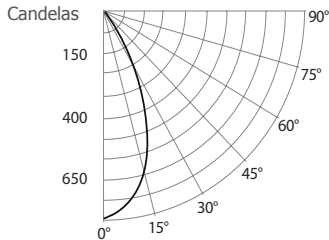
38' x 38' x 10' Room. Workplan located 2-1/2' (30").  
Reflectance factor 80%/50%/30%

##### CANDELAS DISTRIBUTION

DEGREES/VERTICAL	CANDELAS
0	1,328
15	743
30	142
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'	21.6	5.4'
08'	12.1	7.2'
10'	7.8	9.0'
12'	5.4	10.8'
14'	4.0	12.6'
16'	3.0	14.4'

Beam: 48°  
Beam Edge defined as 50% of Maximum Nadir Candle-power.

##### LUMINAIRE

Performance 1 LED	3,000K Flood	
CBCP / Lumens	777	/ 490.1
Watts	120V	277V
	10W	10W
Operating AMPS	0.083A	0.036A
Lumen Maintenance	L70 @ 50,000 Hrs	
CRI	90+	
Lumens/Watt	49	
Spacing Criteria	0.20	

##### 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	94	94	
4	93	88	89	85	87	84	84	84	
6	83	77	81	76	79	75	75	75	
8	75	69	73	68	72	68	68	68	
10	68	62	66	62	66	61	61	61	

Zonal Cavity Method  
Effective Floor Cavity Reflectance 20%

##### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	403.2	82.3%
0-40	472.4	96.4%
0-60	489.2	99.8%
60-90	0.9	0.2%
0-90	490.1	100%

##### MULTIPLE UNIT DATA - (RCR 2)

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/SQ. FT.
5'	24	0.44
6'	13	0.25
7'	9	0.17
8'	9	0.17
9'	6	0.11

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

##### CANDELAS DISTRIBUTION

DEGREES/VERTICAL	CANDELAS
0	777
15	615
30	215
45	17
60	2
75	0
90	0

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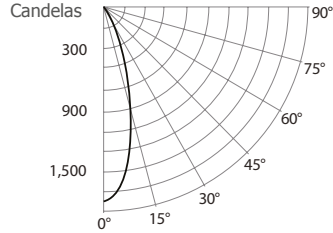
## 4" Series Round Shower Trim



### PHOTOMETRIC DATA

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

##### CANDLEPOWER DISTRIBUTION



##### LIGHT CONE

Distance	FC	DIA
06'	47.9	3.5'
08'	26.9	4.7'
10'	17.3	5.9'
12'	11.9	7.1'
14'	8.8	8.3'
16'	6.8	9.5'

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

##### LUMINAIRE

<b>Performance 2 LED</b>	3,000K Narrow Flood	
<b>CBCP / Lumens</b>	1,727	/ 672
<b>Watts</b>	<b>120V</b>	<b>277V</b>
	15W	15W
<b>Operating AMPS</b>	0.125A	0.054A
<b>Lumen Maintenance</b>	L70 @ 50,000 Hrs	
<b>CRI</b>	90+	
<b>Lumens/Watt</b>	41.8	
<b>Spacing Criteria</b>	0.14	

##### COEFFICIENT OF UTILIZATION - %

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

**Zonal Cavity Method**  
Effective Floor Cavity Reflectance 20%

##### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	578.3	92.2%
0-40	622.1	99.2%
0-60	627.0	100%
60-90	0.000	0%
0-90	627	100%

##### MULTIPLE UNIT DATA - (RCR 2)

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/SQ. FT.
5'	31	0.66
6'	18	0.37
7'	12	0.26
8'	12	0.26
9'	8	0.17

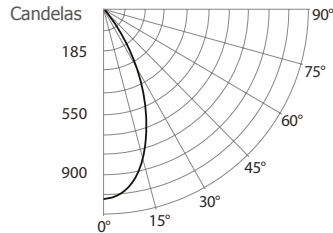
Local 38' x 38' x 10'. Plan de travail situé à 2-1/2' (30 po).  
Facteur de réflexion 80%/50%/30%

##### CANDELAS DISTRIBUTION

DEGREES/VERTICAL	CANDELAS
0	1,727
15	966
30	185
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'	28.1	5.4'
08'	15.8	7.2'
10'	10.1	9.0'
12'	7.0	10.8'
14'	5.2	12.6'
16'	4.0	14.4'

**Beam: 48°**  
Beam Edge defined as 50% of Maximum Nadir Candle-power.

##### LUMINAIRE

<b>Performance 2 LED</b>	3,000K Flood	
<b>CBCP / Lumens</b>	1,012	/ 638.1
<b>Watts</b>	<b>120V</b>	<b>277V</b>
	15W	15W
<b>Operating AMPS</b>	0.125A	0.054A
<b>Lumen Maintenance</b>	L70 @ 50,000 Hrs	
<b>CRI</b>	90+	
<b>Lumens/Watt</b>	42.5	
<b>Spacing Criteria</b>	0.20	

##### COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80			50			30		
Wall Reflect %	50	30	50	30	50	30	50	30	
<b>RCR</b>	0	119	119	111	111	106	106	106	
	2	105	101	100	97	97	94	94	
	4	93	88	89	85	87	84	84	
	6	83	77	81	76	79	75	75	
	8	75	69	73	68	72	68	68	
	10	68	62	66	62	66	61	61	

**Zonal Cavity Method**  
Effective Floor Cavity Reflectance 20%

##### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	525	82.3%
0-40	615.2	96.4%
0-60	637.2	99.9%
60-90	0.9	0.1%
0-90	638.1	100%

##### MULTIPLE UNIT DATA - (RCR 2)

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/SQ. FT.
5'	31	0.66
6'	18	0.37
7'	12	0.26
8'	12	0.26
9'	8	0.17

Local 38' x 38' x 10'. Plan de travail situé à 2-1/2' (30 po).  
Facteur de réflexion 80%/50%/30%

##### CANDELAS DISTRIBUTION

DEGREES/VERTICAL	CANDELAS
0	1,012
15	800
30	279
45	23
60	2
75	0
90	0