

# UR4G

## 4" Series Round Wall Wash Trim



Project \_\_\_\_\_

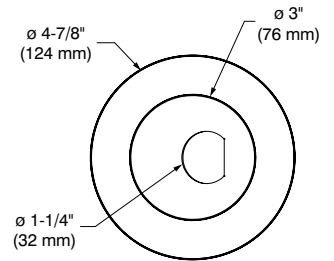
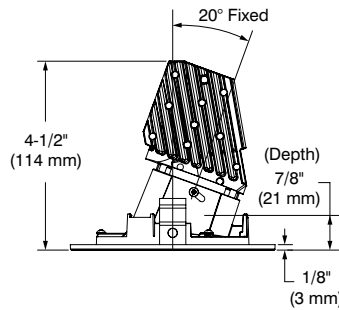
Notes \_\_\_\_\_

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

Date \_\_\_\_\_



UR4GF-2222 (illustrated)



## SPECIFICATIONS

### LED MODULE

#### SOLID COLORS

Lumileds Luxeon CoB  
 2,700K - CRI: 80+ and 90+  
 3,000K - CRI: 80+ and 90+  
 3,500K - CRI: 90+  
 4,000K - CRI: 90+  
 Lumens Maintenance:  
 L<sub>70</sub> @ 50,000 hours  
 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<sub>70</sub> @ 50,000 hours  
 Binning: 3 SDCM

### DELIVERED LUMENS

#### Performance 1 (10W):

**516 lumens @ 3,000K, 51.6 lm/W**

#### Performance 2 (15W):

**672 lumens @ 3,000K, 44.8 lm/W**

Warm Dimming (WD)

**329 lumens @ 3,000K, 21.9 lm/W**

### OPTIC SYSTEM\*

Optical reflector available:  
 Flood

#### Standard

Flood (L)	65°
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\* Average beam shown. Consult .ies files on our Website for more details.

### LENS

Frosted (F) for uniform lighting distribution ensuring optimal results.

### PAINTED REFLECTORS

Natural Anodized Aluminum (AN)  
 Matte White (11)  
 Matte Black (22)  
 (Suggested for an optimal result)

### 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 aluminum injected. 20° fixed tilt.

### CEILING CUTOUT

**ø 4-1/4" (108 mm)**

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## 4" Series Round Wall Wash 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

#### CERTIFICATION

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

#### WARRANTY

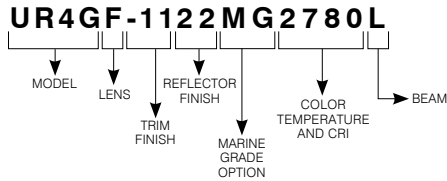
1 year on components against manufacturing defects  
 5 years on LED arrays and drivers

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## 4" Series Round Wall Wash Trim



### CODIFICATION EXAMPLE



### ORDERING CODES

MODEL	LENS	TRIM FINISHES	REFLECTOR FINISHES	MARINE GRADE	COLOR TEMPERATURES AND CRI	BEAM
<b>UR4G</b>	<b>F</b>					<b>L</b>
<b>UR4G</b>	<b>F</b> Frosted	<b>-01</b> White <b>-03SA</b> Satin Gold <b>-04BR</b> Brushed Chrome <b>-11</b> Matte White <b>-12BR</b> Brushed Nickel <b>-13</b> Satin Nickel <b>-22</b> Matte Black <b>-25</b> Polar Grey (-25 finish perfectly matches with <b>AN</b> reflector finish)	<b>PAINTED</b> <b>AN</b> Natural Anodized Aluminum <b>11</b> Matte White <b>22</b> Matte Black (Suggested for an optimal result) (Not available with <b>-03SA</b> finish)	<b>MG (optional)</b> May be applied on finishes: -01, -11 -22 and -25	<b>2780</b> 2,700K (80+ CRI) <b>3080</b> 3,000K (80+ CRI) <b>2790</b> 2,700K (90+ CRI) <b>3090</b> 3,000K (90+ CRI) <b>3590</b> 3,500K (90+ CRI) <b>4090</b> 4,000K (90+ CRI) <b>WD90</b> Warm Dimming (90+ CRI)	<b>L</b> Flood (65°) 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.

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## 4" Series Round Wall Wash 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

	Flood	
2,700K with 80+ CRI	504 lms	50.4 lms/W
3,000K with 80+ CRI	516 lms	51.6 lms/W

2,700K with 90+ CRI	418 lms	41.8 lms/W
3,000K with 90+ CRI	432 lms	43.2 lms/W
3,500K with 90+ CRI	456 lms	45.6 lms/W
4,000K with 90+ CRI	469 lms	46.9 lms/W
Warm Dimming with 90+ CRI	Not available with performance 1 housings	

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

#### With performance 2 housing

	Flood	
2,700K with 80+ CRI	656 lms	43.7 lms/W
3,000K with 80+ CRI	672 lms	44.8 lms/W

2,700K with 90+ CRI	545 lms	36.3 lms/W
3,000K with 90+ CRI	563 lms	37.5 lms/W
3,500K with 90+ CRI	594 lms	39.6 lms/W
4,000K with 90+ CRI	610 lms	40.6 lms/W
Warm Dimming with 90+ CRI	329 lms	21.9 lms/W

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

Reflectors Factors	
AN	0.99
11	1
22	0.97

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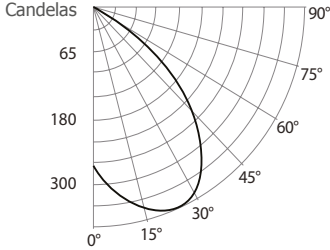
## 4" Series Round Wall Wash Trim



### PHOTOMETRIC DATA

#### 3,000K, 90+ CRI, Flood, Performance 1

##### CANDLEPOWER DISTRIBUTION



##### LIGHT CONE

Distance	FC	DIA
06'	7.17	7.6'
08'	4.03	10.1'
10'	2.58	12.7'
12'	1.79	15.2'
14'	1.32	17.8'
16'	1.01	20.3'

Beam: 64.8°  
Beam Edge defined as 50% of Maximum Nadir Candle-power.

##### LUMINAIRE

Performance 1 LED	3,000K Flood	
CPCB / Lumens	258	/ 433
Watts	120V	277V
	10W	10W
Operating AMPS	0.083A	0.036A
Lumen Maintenance	L70 @ 50,000 Hrs	
CRI	90+	
Lumens/Watt	43.3	
Spacing Criteria	0.26	

##### 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	98	93	93	89	90	86
	4	80	73	77	71	75	70
	6	67	59	64	58	63	57
	8	57	49	55	48	54	48
	10	49	42	47	41	47	41

Zonal Cavity Method  
Effective Floor Cavity Reflectance 20%

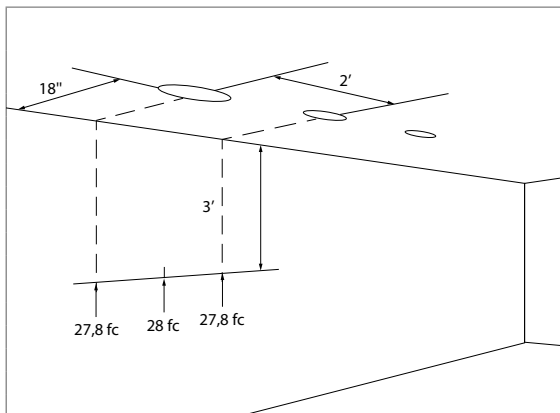
##### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	184.3	82.2%
0-40	284.2	96.3%
0-60	412.1	99.8%
60-90	20.9	0.2%
0-90	433	100%

##### CANDELAS DISTRIBUTION

DEGREES/ VERTICAL	CANDELAS
0	258
15	336
30	332
45	230
60	63
75	4
90	0

#### Footcandles On Wall - Performance 1



Distance from ceiling (Foot)	18" from wall 2' on center		
0.5	0.3	0.3	0.3
1	10.4	10.4	10.4
1.5	34	34	34
2	40.3	40.4	40.3
2.5	34.9	35	34.9
3	27.8	28	27.8
4	16.8	17.1	16.8
5	10.4	10.7	10.4
6	6.8	7	6.8
7	4.6	4.8	4.6
8	3.3	3.4	3.3
9	2.4	2.9	2.4
10	1.8	1.9	1.8

Note: Footcandles Data

# UR4G

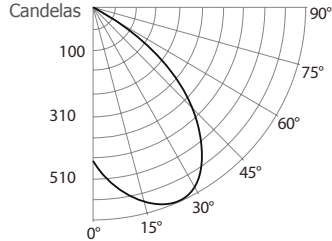
## 4" Series Round Wall Wash Trim



### PHOTOMETRIC DATA

#### 3,000K, 90+ CRI, Flood, Performance 2

##### CANDLEPOWER DISTRIBUTION



##### LIGHT CONE

Distance	FC	DIA
06'	12.17	7.6'
08'	6.84	10.1'
10'	4.38	12.7'
12'	3.04	15.2'
14'	2.23	17.7'
16'	1.71	20.3'

Beam: 64.7"  
Beam Edge defined as 50% of Maximum Nadir Candle-power.

##### LUMINAIRE

Performance 2 LED	3,000K Flood	
CPCB / Lumens	438	/ 735.3
Watts	120V	277V
	15W	15W
Operating AMPS	0.125A	0.054A
Lumen Maintenance	L70 @ 50,000 Hrs	
CRI	90+	
Lumens/Watt	49	
Spacing Criteria	0.26	

##### 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	98	93	93	89	90	86
	4	80	73	77	71	75	70
	6	67	59	64	58	63	57
	8	57	49	55	48	54	48
	10	49	42	47	41	47	41

##### Zonal Cavity Method

Effective Floor Cavity Reflectance 20%

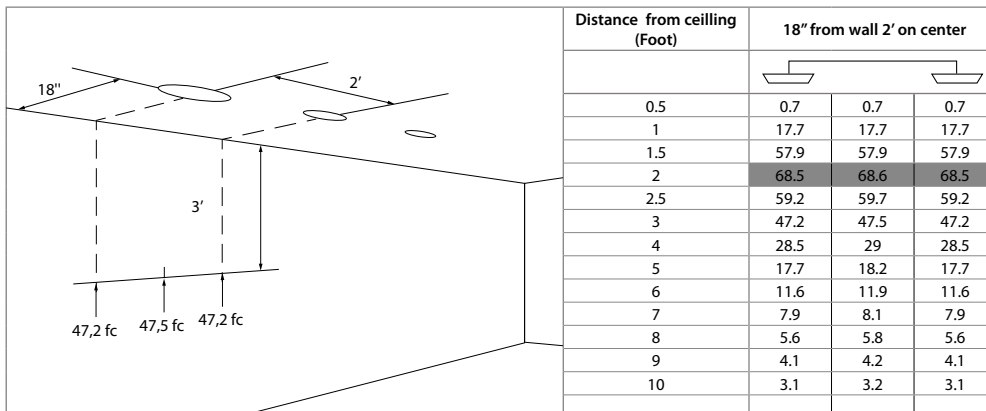
##### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	313	42.6%
0-40	482.5	65.6%
0-60	699.7	95.2%
60-90	35.6	4.8%
0-90	735.3	100%

##### CANDELAS DISTRIBUTION

DEGREES/VERTICAL	CANDELAS
0	438
15	571
30	563
45	390
60	107
75	6
90	0

#### Footcandles On Wall - Performance 2



Note: Footcandles Data