

# UR3H

## 3-1/2" Series Square Shower Trim with Square Pinhole Aperture



Project \_\_\_\_\_

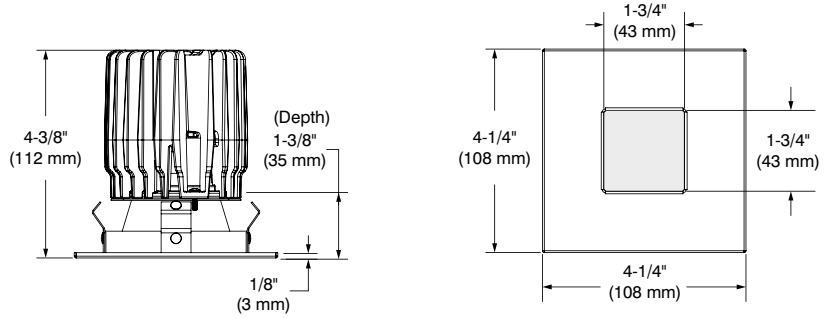
Notes \_\_\_\_\_

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

Date \_\_\_\_\_



UR3HF-1111 (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):**  
**368 lumens @ 3,000K, 36.8 lms/W**  
**Performance 2 (15W):**  
**479 lumens @ 3,000K, 31.9 lms/W**  
**Warm Dimming (15W):**  
**234 lumens @ 3,000K, 15.6 lms/W**

#### OPTIC SYSTEM\*

Optical reflector available:  
 Flood

Standard	
Flood (L)	48°

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

#### LENS

Clear (C)  
 Frosted (std) (F)

#### PAINTED REFLECTORS

Natural Anodized (AN)  
 Matte White (11)  
 Matte Black (22)

#### POWER SUPPLY

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

#### CEILING CUTOUT

ø 3-3/4" (95 mm)

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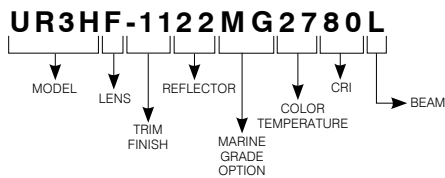
### SPECIFICATIONS (CONT'D)

#### COMPATIBLE HOUSINGS

	Remodel Housings	New Construction Housings	IC Housings
<b>Performance 1</b> 10W Warm Dimming not compatible	<b>IC and Air Tight</b> REUR3-120D1 REUR3-120E1 REUR3-277D1	<b>IC and Air Tight</b> NWUR3-120D1 NWUR3-120E1 NWUR3-277D1 <b>Emergency Driver Non-IC and Air Tight</b> NWUR3-120D1-EM NWUR3-120E1-EM NWUR3-277D1-EM	<b>Air Tight</b> ISUR3-120D1 ISUR3-120E1 ISUR3-277D1 <b>Chicago Plenum and Polyurethane Air Tight</b> ISUR3-120D1P ISUR3-120E1P ISUR3-277D1P
<b>Performance 2</b> 15W MAX	<b>Non-IC and Air Tight</b> REUR3-120D2 REUR3-120E2 REUR3-120EB2 REUR3-2772 REUR3-277D2	<b>Non-IC and Air Tight</b> NWUR3-120D2 NWUR3-120E2 NWUR3-120EB2 NWUR3-2772 NWUR3-277D2 <b>Emergency Driver Non-IC and Air Tight</b> NWUR3-120D2-EM NWUR3-120E2-EM NWUR3-120EB2-EM NWUR3-2772-EM NWUR3-277D2-EM	<b>Air Tight</b> ISUR3-120D2 ISUR3-120E2 ISUR3-120EB2 ISUR3-2772 ISUR3-277D2 <b>Chicago Plenum Air Tight</b> ISUR3-120D2P ISUR3-120E2P ISUR3-120EB2P ISUR3-2772P ISUR3-277D2P

For dimming, please visit our Web site frequently to find our suggested compatible dimmers list:  
[www.contrastlighting.com](http://www.contrastlighting.com)

#### CODIFICATION EXAMPLE



#### ORDERING CODE

MODEL	LENS	TRIM FINISHES	REFLECTORS	MARINE GRADE	COLOR TEMPERATURES	CRI	BEAM
<b>UR3H</b>							<b>L</b>
UR3H	<b>F</b> Frosted (std) <b>C</b> Clear	<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>PAINTED</b> <b>AN</b> Natural Anodized <b>11</b> Matte White <b>22</b> Matte Black  (Not available with <b>-03SA</b> finish)	<b>MG (optional)</b> May be applied on finishes: <b>-11</b> and <b>-22</b>	<b>27</b> 2,700K (80+ and 90+ CRI) <b>30</b> 3,000K (80+ and 90+ CRI) <b>35</b> 3,500K (90+ CRI) <b>40</b> 4,000K (90+ CRI) <b>WD</b> Warm Dimming (90+ CRI)	<b>80</b> 80+ <b>90</b> 90+	<b>L</b> Flood (48°)

#### CERTIFICATION

cULus **E343977** for damp locations.

#### WARRANTY

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

# CONTRASTE

1009, rue du Parc Industriel  
 Lévis (Québec) G6Z 1C5 Canada  
 Tel.: 1-888-839-4624  
 Fax.: 1-877-839-7057  
 contrastlighting.com  
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# UR3H

## 3-1/2" Series

### Square Shower Trim with Square Pinhole Aperture



#### GOOF RINGS

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- Code:** RS3-03SA (Satin Gold)  
RS3-04BR (Brushed Chrome)  
RS3-11 (Matte White)  
RS3-12BR (Brushed Nickel)  
RS3-13 (Satin Nickel)  
RS3-22 (Matte Black)

Outside dimension: 5" (127 mm) x 5" (127 mm)  
Inside diameter:  $\varnothing$  3-11/16" (94 mm)

# UR3H

## 3-1/2" Series Square Shower Trim with Square Pinhole Aperture



### PHOTOMETRIC DATA

#### With performance 1 housing

	Flood	
2,700K with 80+ CRI	359 lms	35.9 lms/W
3,000K with 80+ CRI	368 lms	36.8 lms/W

2,700K with 90+ CRI	298 lms	29.8 lms/W
3,000K with 90+ CRI	308 lms	30.8 lms/W
3,500K with 90+ CRI	325 lms	32.5 lms/W
4,000K with 90+ CRI	334 lms	33.4 lms/W

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

#### With performance 2 housing

	Spot	
2,700K with 80+ CRI	467 lms	31.1 lms/W
3,000K with 80+ CRI	479 lms	31.9 lms/W

2,700K with 90+ CRI	388 lms	25.8 lms/W
3,000K with 90+ CRI	401 lms	26.7 lms/W
3,500K with 90+ CRI	424 lms	28.2 lms/W
4,000K with 90+ CRI	435 lms	29 lms/W
Warm Dimming with 90+ CRI	234 lms	15.6 lms/W

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

Lens Factors	
C	1.44
F (std)	1

Reflectors Factors	
AN	0.99
11	1
22	0.97

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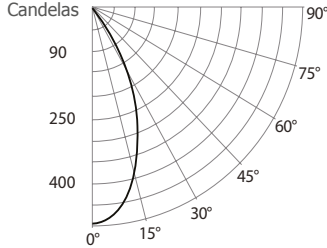
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### PHOTOMETRIC DATA

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

##### CANDLEPOWER DISTRIBUTION



##### LIGHT CONE

Distance	FC	DIA
06'	13.6	5.4'
08'	7.6	7.2'
10'	4.9	9.0'
12'	3.4	10.8'
14'	2.5	12.6'
16'	1.9	14.4'

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

##### LUMINAIRE

Performance 1 LED	3,000K Flood	
CPCB / Lumens	488	/ 308.2
Watts	120V	277V
Operating AMPS	0.083A	0.036A
Lumen Maintenance	L70 @ 50,000 Hrs	
CRI	90+	
Lumens/Watt	30.8	
Spacing Criteria	0.20	

##### 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	66	62	66	61

Zonal Cavity Method  
Effective Floor Cavity Reflectance 20%

##### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	253.4	82.2%
0-40	297.2	96.4%
0-60	307.8	99.9%
60-90	0.4	0.1%
0-90	308.2	100%

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

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/ SQ. FT.
5'	34	0.66
6'	19	0.37
7'	13	0.26
8'	13	0.26
9'	8	0.17

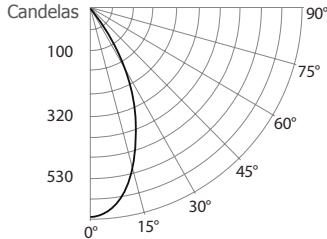
38' x 38' x 10' Room. Workplan located 2-1/2' (30").  
Reflectance factor 80%/50%/30%

##### CANDELAS DISTRIBUTION

DEGREES/ VERTICAL	CANDELAS
0	488
15	386
30	135
45	11
65	1
75	0
90	0

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

##### CANDLEPOWER DISTRIBUTION



##### LIGHT CONE

Distance	FC	DIA
06'	17.7	5.4'
08'	9.9	7.2'
10'	6.4	9.0'
12'	4.4	10.8'
14'	3.2	12.6'
16'	2.5	14.4'

Beam: 47°  
Beam Edge defined as 50% of Maximum Nadir Candle-power.

##### LUMINAIRE

Performance 2 LED	3,000K Flood	
CPCB / Lumens	636	/ 400.7
Watts	120V	277V
Operating AMPS	0.125A	0.054A
Lumen Maintenance	L70 @ 50,000 Hrs	
CRI	90+	
Lumens/Watt	26.7	
Spacing Criteria	0.19	

##### 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	329.9	82.3%
0-40	386.7	96.5%
0-60	400.3	99.9%
60-90	0.4	0.1%
0-90	400.7	100%

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

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/ SQ. FT.
5'	20	0.66
6'	11	0.37
7'	8	0.26
8'	8	0.26
9'	5	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	636
15	503
30	176
45	14
65	1
75	0
90	0

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