

Crystal delivers preciousness to the ceiling and throughout any space. The minimal linear form combines with the rich finish to create a magical play of light reflections, even when not in use. The new patented Opti Diamond optic is the result of a careful study of materials and engineering that optimize the catadioptric principle, producing an extraordinary brilliance, visual comfort and high efficiency.

<b>Luminaire characteristic:</b>	Power input system: 6.3W to 30.4W Lumens for 3000K, 80 CRI: 954lm to 4 316lm Luminaire efficacy for 3000CRI, 80CRI: up to 151lm/W
<b>Source:</b>	White LED module (LM-80) 2700K: 80CRI, 90CRI, 3000K: 80CRI, 90CRI, 3500K: 80CRI, 90CRI, 4000K: 80CRI, 90CRI.
<b>Lumen maintenance:</b>	85% of initial lumens at 50 000 hours (L85) (LM-79).
<b>Optics:</b>	Medium, wide flood oval transversal or longitudinal, general light optic available with UGR < 19 option (BO) and wall washer optic with Opti Diamond technology.
<b>Material:</b>	Body and heat sink: Extruded aluminum End caps: Cast zamak Reflector and baffle: Translucent textured methacrylate raster Housing: Galvanized steel
<b>Mounting:</b>	Remodel, New construction with plaster frame, New construction with housing for Chicago plenum.
<b>Electrical:</b>	Integral high efficiency LED driver rated at 50 000 hours, 120V or 120-277V.
<b>Dimming:</b>	0-10V dimming (120-277V), down to 10%. 0-10V dimming (120-277V), down to 1%. Leading edge (TRIAC) and trailing edge (ELV) dimming (120V only), down to 15%. Dali dimming (120-277V), down to 1%.
<b>Finish:</b>	Black or white (RAL9010) body with translucent textured methacrylate raster.
<b>Weight:</b>	ICRY3T: 3.88lb (1.76kg) ICRY6T: 4.53lb (2.06kg) ICRY9T: 4.98lb (2.26kg)
<b>Warranty:</b>	5 year limited warranty.
<b>Ratings:</b>	IP20, IP43 (from under the ceiling)
<b>Certification:</b>	cULus listed for damp location. Interior use only.



reddot winner 2023  
best of the best lighting design

ORDERING INFO



PRODUCT CODE			INSTALLATION CODE					
MODEL	MOUNTING	INSTALLATION TYPE	OUTPUT	LED	OPTIC	VOLTAGE	FINISH	DIMMING
ICRY3 Three cells	T Trim	RF Remodel	BO <sup>1</sup> UGR < 19	827* 2700K, 80CRI	MD <sup>2</sup> Medium 35°	120 120V	D8 White / transparent	120V
ICRY6 Six cells		NC New construction plaster frame	HO High output	830 3000K, 80CRI	LW <sup>3</sup> Wide flood oval longitudinal	UNV 120-277V	83 Black / transparent	LTE Leading edge and trailing edge (down to 15%)
ICRY9 Nine cells		CP New construction Chicago Plenum housing		835 3500K, 80CRI	TW <sup>3</sup> Wide flood oval transversal			120-277V (UNV)
				840 4000K, 80CRI	GL General light			D01 <sup>4</sup> 0-10V (down to 1%)
				927* 2700K, 90CRI	WW Wall washer			D10 0-10V (down to 10%)
				930 3000K, 90CRI				DA <sup>4</sup> DALI (down to 1%)
				935 3500K, 90CRI				
				940 4000K, 90CRI				

1 Only available for general light (GL) optic.  
2 Available for 3 cells (ICRY3T) and 6 cells (ICRY6T) models.  
3 Available for 3 cells (ICRY3T) model.  
4 Available for 6 cells (ICRY6T) and 9 cells (ICRY9T) models. Also available for 3 cells (ICRY3T) with high output (HO).  
\* LED options may require a longer lead time. Please contact customer service for details.

## INSTALLATION OPTIONS

### Remodel (RF)

Versatile fixture for new or existing ceiling structure. Suitable for insulated or non-insulated ceiling assemblies, like sheetrock, or paneling. Fixture is ready for remodeling installation.

**Ceiling thickness:** 1/8" - 1 1/8" (3mm - 29mm)



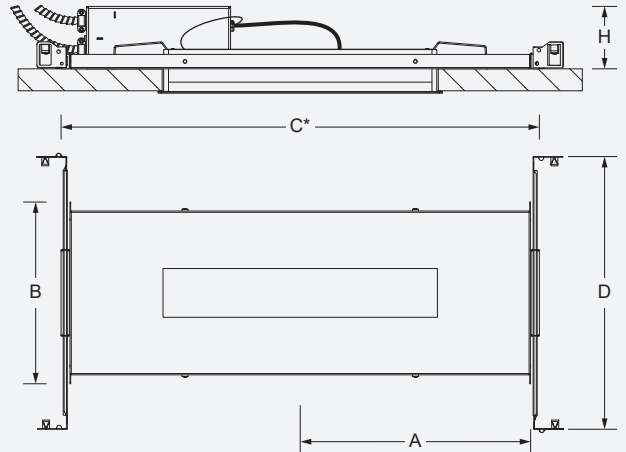
Model	Cut-out dimensions	Clearance (H)
ICRY3	2 9/16" x 7 7/16" (64.5 x 185mm)	3 3/4" (96mm)
ICRY6	2 9/16" x 14 5/16" (64.5 x 363mm)	
ICRY9	2 9/16" x 21 3/8" (64.5 x 543mm)	

\*Can be installed from below the ceiling.

### New construction with plaster frame (NC)

Plaster frame with hanger bars system to be installed during rough-in phase. Suitable for insulated or non-insulated ceiling assemblies, like sheetrock, or paneling. Plaster frame can be shipped separately.

**Ceiling thickness:** 1/8" - 1 1/8" (3mm - 29mm)



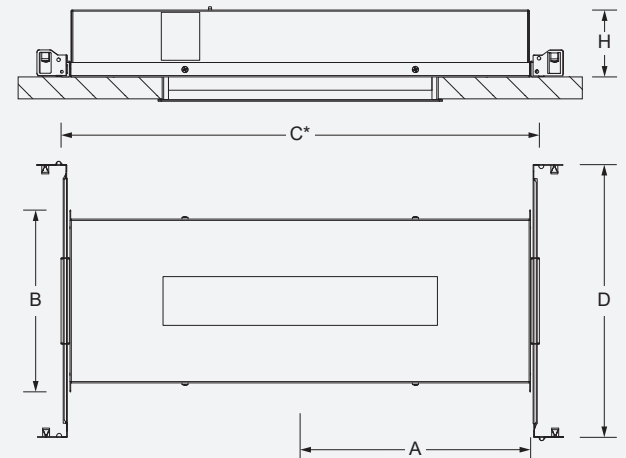
\*Provide a minimum of 1 1/8" (46mm) on each side for the hanger bar fixations

Model	Plaster frame	Cut-out dimensions	Cut-out position (A)	Overall dimensions (BxC)	Hanger bars (D)	Clearance (H)
ICRY3	BN-CRY3T-NC	2 9/16" x 7 7/16" (64.5 x 185mm)	12" (305mm)	9 1/2" x 25" (240 x 633mm)	14 1/4" to 26" (362 to 660mm)	3 3/4" (96mm)
ICRY6	BN-CRY6T-NC	2 9/16" x 14 5/16" (64.5 x 363mm)	12" (305mm)	9 1/2" x 25" (240 x 633mm)		
ICRY9	BN-CRY9T-NC	2 9/16" x 21 3/8" (64.5 x 543mm)	15 3/8" (390mm)	9 1/2" x 31 1/16" (240 x 804mm)		

### New construction with housing suitable for Chicago plenum (CP)

Housing with hanger bars system for new construction installations. Suitable for insulated or non insulated ceiling in Chicago plenum applications. Housing can be shipped separately.

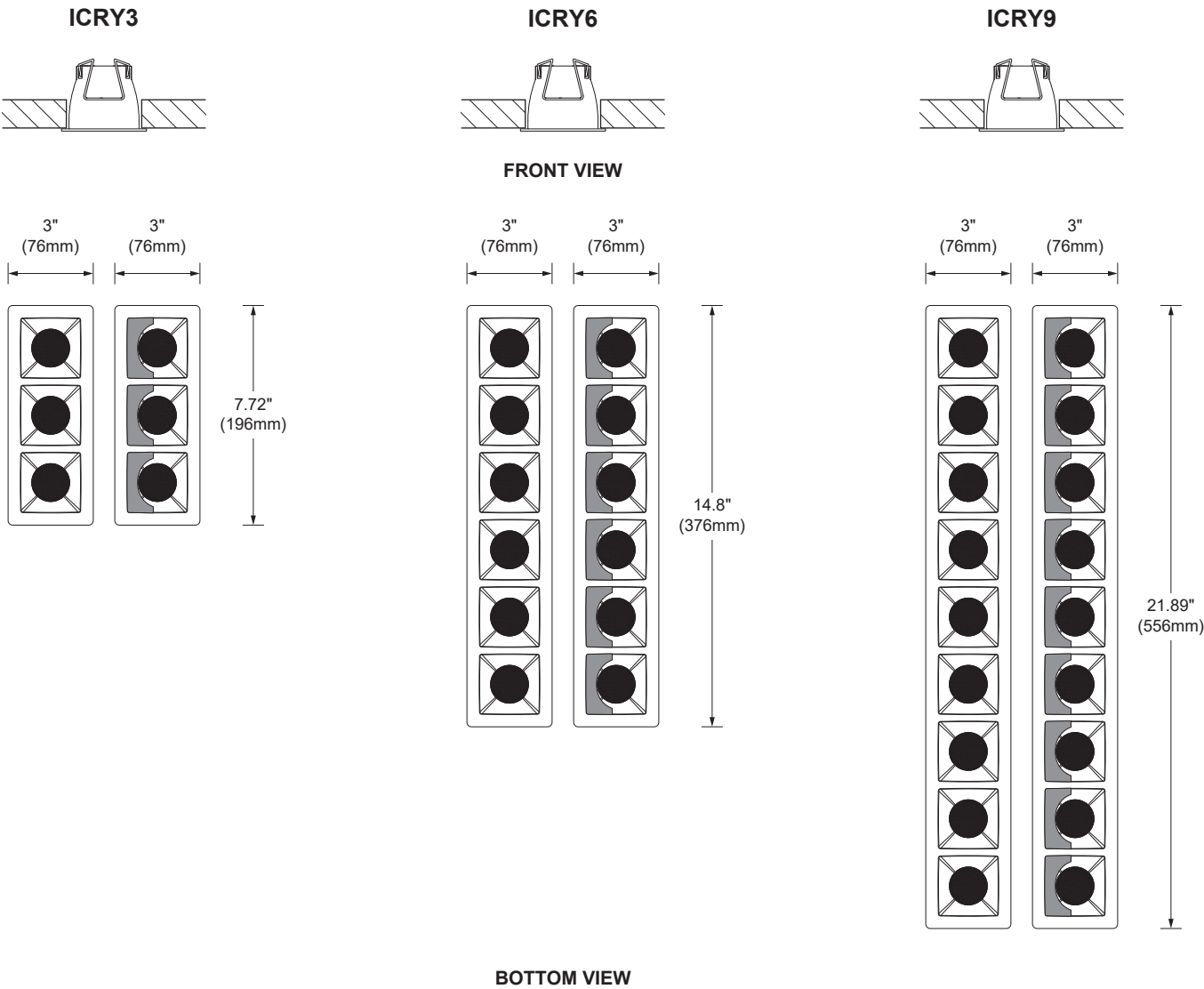
**Ceiling thickness:** 1/8" - 1 1/8" (3mm - 29mm)



\*Provide a minimum of 1 1/8" (46mm) on each side for the hanger bar fixations

Model	Housing	Cut-out dimensions	Cut-out position (A)	Overall dimensions (BxC)	Hanger bars (D)	Clearance (H)
ICRY3	BI-CRY3T-CP	2 9/16" x 7 7/16" (64.5 x 185mm)	12" (305mm)	9 1/2" x 25" (240 x 633mm)	14 1/4" to 26" (362 to 660mm)	3 5/8" (92mm)
ICRY6	BI-CRY6T-CP	2 9/16" x 14 5/16" (64.5 x 363mm)	12" (305mm)	9 1/2" x 25" (240 x 633mm)		
ICRY9	BI-CRY9T-CP	2 9/16" x 21 3/8" (64.5 x 543mm)	15 3/8" (390mm)	9 1/2" x 31 1/16" (240 x 804mm)		

TRIM MODELS DIMENSIONS

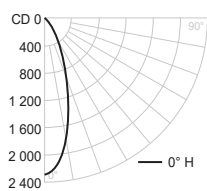




## PHOTOMETRIC DATA

### Crystal 3 cells (3000K, 80CRI) • High output • Medium 35°

(ICRY3T-HO-830-MD)



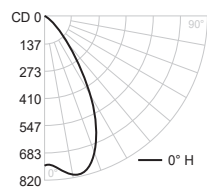
Center beam fc	Beam width ft
2ft 593	1.2
4ft 148	2.3
6ft 65.9	3.5
8ft 37.1	4.6
10ft 23.7	5.8
12ft 16.5	6.9

**Load:** 9.1W  
**Delivered lumens for 3000K, 80CRI:** 1 160 lm  
**Efficacy:** 127 lm/W  
**Max candela:** 2 373 cd

Photometric data multiplier				
Color temperature	80 CRI	90 CRI		
2700K	0.97	9.1W	0.86	9.1W
<b>3000K</b>	<b>1</b>	<b>9.1W</b>	0.86	9.1W
3500K	1	9.1W	0.86	9.1W
4000K	1.07	9.1W	0.90	9.1W

### Crystal 3 cells (3000K, 80CRI) • Base output • General light

(ICRY3T-BO-830-GL)



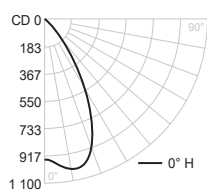
Center beam fc	Beam width ft
2ft 179	2.6
4ft 44.8	5.1
6ft 19.9	7.7
8ft 11.2	10.2
10ft 7.17	12.8
12ft 4.98	15.3

**Load:** 6.3W  
**Delivered lumens for 3000K, 80CRI:** 954 lm  
**Efficacy:** 151 lm/W  
**Max candela:** 811 cd

Photometric data multiplier				
Color temperature	80 CRI	90 CRI		
2700K	0.91	6.3W	0.83	6.3W
<b>3000K</b>	<b>1</b>	<b>6.3W</b>	0.83	6.3W
3500K	1	6.3W	0.83	6.3W
4000K	1.04	6.3W	0.87	6.3W

### Crystal 3 cells (3000K, 80CRI) • High output • General light

(ICRY3T-HO-830-GL)



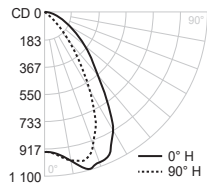
Center beam fc	Beam width ft
2ft 226	2.6
4ft 56.5	5.1
6ft 25.4	7.7
8ft 14.1	10.2
10ft 9.04	12.8
12ft 6.28	15.3

**Load:** 9.1W  
**Delivered lumens for 3000K, 80CRI:** 1 203 lm  
**Efficacy:** 132 lm/W  
**Max candela:** 1 023 cd

Photometric data multiplier				
Color temperature	80 CRI	90 CRI		
2700K	0.97	9.1W	0.86	9.1W
<b>3000K</b>	<b>1</b>	<b>9.1W</b>	0.86	9.1W
3500K	1	9.1W	0.86	9.1W
4000K	1.07	9.1W	0.90	9.1W

### Crystal 3 cells (3000K, 80CRI) • High output • Wall washer

(ICRY3T-HO-830-WW)



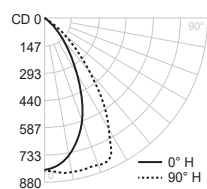
Center beam fc	Beam width ft
2ft 183	2.6
4ft 367	5.1
6ft 550	7.7
8ft 733	10.2
10ft 917	12.8
12ft 1 100	15.3

**Load:** 9.1W  
**Delivered lumens for 3000K, 80CRI:** 1 109 lm  
**Efficacy:** 122 lm/W  
**Max candela:** 1 061 cd

Photometric data multiplier				
Color temperature	80 CRI	90 CRI		
2700K	0.96	9.1W	0.86	9.1W
<b>3000K</b>	<b>1</b>	<b>9.1W</b>	0.86	9.1W
3500K	1	9.1W	0.86	9.1W
4000K	1.07	9.1W	0.90	9.1W

### Crystal 3 cells (3000K, 80CRI) • High output • Wide flood oval longitudinal

(ICRY3T-HO-830-LW)



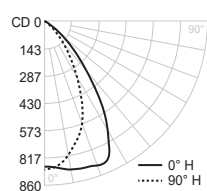
Center beam fc	Beam width ft
2ft 211	1.9 3.2
4ft 52.7	3.8 6.3
6ft 23.4	5.7 9.5
8ft 13.2	7.6 12.7
10ft 8.43	9.5 15.9
12ft 5.85	11.4 19.0

**Load:** 9.1W  
**Delivered lumens for 3000K, 80CRI:** 1 102 lm  
**Efficacy:** 121 lm/W  
**Max candela:** 872 cd

Photometric data multiplier				
Color temperature	80 CRI	90 CRI		
2700K	0.97	9.1W	0.86	9.1W
<b>3000K</b>	<b>1</b>	<b>9.1W</b>	0.86	9.1W
3500K	1	9.1W	0.86	9.1W
4000K	1.07	9.1W	0.90	9.1W

### Crystal 3 cells (3000K, 80CRI) • High output • Wide flood oval transversal

(ICRY3T-HO-830-TW)



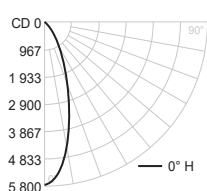
Center beam fc	Beam width ft
2ft 204	3.2 1.8
4ft 50.9	6.3 3.6
6ft 22.6	9.5 5.4
8ft 12.7	12.7 7.2
10ft 8.15	15.9 9.0
12ft 5.66	19.0 10.9

**Load:** 9.1W  
**Delivered lumens for 3000K, 80CRI:** 1 102 lm  
**Efficacy:** 121 lm/W  
**Max candela:** 857 cd

Photometric data multiplier				
Color temperature	80 CRI	90 CRI		
2700K	0.97	9.1W	0.86	9.1W
<b>3000K</b>	<b>1</b>	<b>9.1W</b>	0.86	9.1W
3500K	1	9.1W	0.86	9.1W
4000K	1.07	9.1W	0.90	9.1W

### Crystal 6 cells (3000K, 80CRI) • High output • Medium 35°

(ICRY6T-HO-830-MD)



Center beam fc	Beam width ft
2ft 1 432	1.2
4ft 358	2.3
6ft 159	3.5
8ft 89.5	4.6
10ft 57.3	5.8
12ft 39.8	6.9

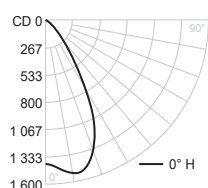
**Load:** 20.6W  
**Delivered lumens for 3000K, 80CRI:** 2 800 lm  
**Efficacy:** 136 lm/W  
**Max candela:** 5 728 cd

Photometric data multiplier				
Color temperature	80 CRI	90 CRI		
2700K	0.94	20.6W	0.83	20.6W
<b>3000K</b>	<b>1</b>	<b>20.6W</b>	0.83	20.6W
3500K	1	20.6W	0.83	20.6W
4000K	1.04	20.6W	0.89	20.6W

## PHOTOMETRIC DATA

### Crystal 6 cells (3000K, 80CRI) • Base output • General light

(ICRY6T-BO-830-GL)



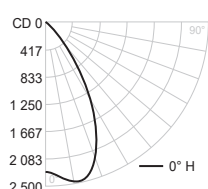
	Center beam fc	Beam width ft
2ft	351	2.6
4ft	87.7	5.1
6ft	39.0	7.7
8ft	21.9	10.2
10ft	14.0	12.8
12ft	9.74	15.3

**Load:** 13.4W  
**Delivered lumens for 3000K, 80CRI:** 1 867 lm  
**Efficacy:** 139 lm/W  
**Max candela:** 1 587 cd

Photometric data multiplier				
Color temperature	80 CRI		90 CRI	
2700K	0.96	13.4W	0.84	13.4W
<b>3000K</b>	<b>1</b>	<b>13.4W</b>	0.84	13.4W
3500K	1	13.4W	0.84	13.4W
4000K	1.07	13.4W	0.91	13.4W

### Crystal 6 cells (3000K, 80CRI) • High output • General light

(ICRY6T-HO-830-GL)



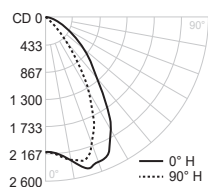
	Center beam fc	Beam width ft
2ft	546	2.6
4ft	136	5.1
6ft	60.6	7.7
8ft	34.1	10.2
10ft	21.8	12.8
12ft	15.2	15.3

**Load:** 20.6W  
**Delivered lumens for 3000K, 80CRI:** 2 905 lm  
**Efficacy:** 141 lm/W  
**Max candela:** 2 469 cd

Photometric data multiplier				
Color temperature	80 CRI		90 CRI	
2700K	0.94	20.6W	0.83	20.6W
<b>3000K</b>	<b>1</b>	<b>20.6W</b>	0.83	20.6W
3500K	1	20.6W	0.83	20.6W
4000K	1.04	20.6W	0.89	20.6W

### Crystal 6 cells (3000K, 80CRI) • High output • Wall washer

(ICRY6T-HO-830-WW)

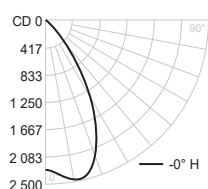


**Load:** 20.6W  
**Delivered lumens for 3000K, 80CRI:** 2 677 lm  
**Efficacy:** 130 lm/W  
**Max candela:** 2 562 cd

Photometric data multiplier				
Color temperature	80 CRI		90 CRI	
2700K	0.94	20.6W	0.83	20.6W
<b>3000K</b>	<b>1</b>	<b>20.6W</b>	0.83	20.6W
3500K	1	20.6W	0.83	20.6W
4000K	1.04	20.6W	0.89	20.6W

### Crystal 9 cells (3000K, 80CRI) • Base output • General light

(ICRY9T-BO-830-GL)



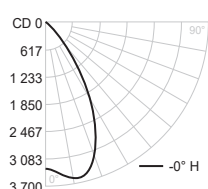
	Center beam fc	Beam width ft
2ft	538	2.6
4ft	134	5.1
6ft	59.8	7.7
8ft	33.6	10.2
10ft	21.5	12.8
12ft	14.9	15.3

**Load:** 20W  
**Delivered lumens for 3000K, 80CRI:** 2 863 lm  
**Efficacy:** 143 lm/W  
**Max candela:** 2 434 cd

Photometric data multiplier				
Color temperature	80 CRI		90 CRI	
2700K	0.96	20W	0.84	20W
<b>3000K</b>	<b>1</b>	<b>20W</b>	0.84	20W
3500K	1	20W	0.84	20W
4000K	1.06	20W	0.90	20W

### Crystal 9 cells (3000K, 80CRI) • High output • General light

(ICRY9T-HO-830-GL)



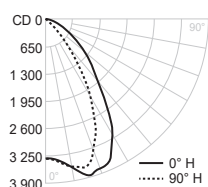
	Center beam fc	Beam width ft
2ft	811	2.6
4ft	203	5.1
6ft	90.4	7.7
8ft	50.7	10.2
10ft	32.4	12.8
12ft	22.5	15.3

**Load:** 30.4W  
**Delivered lumens for 3000K, 80CRI:** 4 316 lm  
**Efficacy:** 142lm/W  
**Max candela:** 3 668 cd

Photometric data multiplier				
Color temperature	80 CRI		90 CRI	
2700K	0.95	30.4W	0.84	30.4W
<b>3000K</b>	<b>1</b>	<b>30.4W</b>	0.84	30.4W
3500K	1	30.4W	0.84	30.4W
4000K	1.06	30.4W	0.89	30.4W

### Crystal 9 cells (3000K, 80CRI) • High output • Wall washer

(ICRY9T-HO-830-WW)



**Load:** 30.4W  
**Delivered lumens for 3000K, 80CRI:** 3 978 lm  
**Efficacy:** 131 lm/W  
**Max candela:** 3 807 cd

Photometric data multiplier				
Color temperature	80 CRI		90 CRI	
2700K	0.95	30.4W	0.84	30.4W
<b>3000K</b>	<b>1</b>	<b>30.4W</b>	0.84	30.4W
3500K	1	30.4W	0.84	30.4W
4000K	1.06	30.4W	0.89	30.4W