

# Indoor Crane Light (ICL)

## Indoor Crane Light Specification

Indoor Crane Light shall consist of a 16" diameter aluminum reflector, shock absorbing lampholder assembly mounted to a cast aluminum pendant mount. The ballast is mounted in a Type 3 enclosure with multiple trade size knockouts and flanged brackets for remote mounting. Available in 150 to 400 watt high pressure sodium lamp and up to 400 watt metal halide lamp. Available with (specify) 120, 208, 240, 277, 480 volt or 4MT (120,208,240,277V) 60Hz ballast.

## Basic Product Description

Luminaire, junction box and shock mount have a natural aluminum finish. Luminaire is pigtailed out through the pendant hanger casting, porcelain socket will contain a lamp grip, nickel plated spring loaded center contact, eliminating lamp loosening.

## Ballast Characteristics

The Indoor Crane Light shall be supplied with a long lasting, suitable for 55°C ambient temperature, U.L. recognized High Power Factor, auto-transformer type ballast for remote mounting. Will start metal halide lamps at -20°F (-30°C) and -40°F (-40°C) for HPS. For availability of 220/240V 50Hz ballast - consult factory.

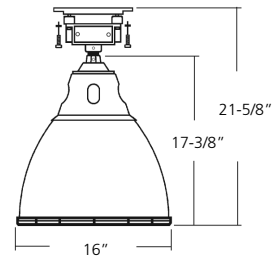
## Reflector Assembly

A heavy duty spun aluminum anodized finished reflector with rolled bottom edge for extra strength. Provides an I.E.S. Type V wide beam distribution for illumination without glare, shadowing, or stark contrasts. Ventilated neck provides a chimney effect air flow, reducing adherence of airborne particles. Equipped with a shock absorbing lampholder mount to prevent excessive lamp failures.



Lamp not included

WEIGHT = 15-28 lbs



Accessories/Mounting Brackets, see Accessory Page

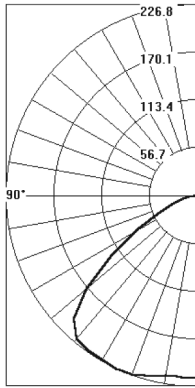
## Ordering Example

Unit ICL	Wattage 6	Photometrics 5	Mounting P	Lamp Style H	Voltage 208	Ballast Style H	Options ODG
Indoor Crane Light	2 - 150* 4 - 250* 6 - 400	5 - Wide Spread	P- Pendant Mount	INC - Incandescent H - Metal Halide LS - High Pressure Sodium	120 208 240 277 480 4MT- (120, 208, 240, 277V)	H - High Power Factor	ODG - Downlight with Wire Guard
				<b>Accessories F</b>			
				SIF -	Single Inline Fuse (120, 277V)		
				DIF -	Double Inline Fuse (208, 240, 480V)		
				RSC -	Reflector Safety Cable (2 ft.)		
				WG -	Wire Guard		
				HDS -	Heavy Duty Shock Mount		
*150 and 250 HPS only							
CSA Certification - consult factory.							



# Indoor Crane Light (ICL)

## Photometrics



ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0-30	188.4	18.8	27.8
0-40	329.6	33.0	48.7
0-60	598.8	59.9	88.4
0-90	677.0	67.7	100.0
90-120	0	0.0	0.0
90-130	0	0.0	0.0
0-180	677.0	67.7	100.0

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

	80				70				50				30				10				0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
0	81	81	81	81	79	79	79	79	75	75	75	72	72	72	69	69	69	68	68	68	68
1	75	72	69	67	73	70	68	66	67	65	64	65	63	62	62	61	60	60	59	59	59
2	68	63	59	56	67	62	58	55	60	56	54	58	55	52	56	53	51	50	49	48	48
3	63	56	51	47	61	55	50	46	53	49	46	51	48	45	49	47	44	43	42	41	41
4	57	50	44	40	56	49	44	40	47	43	39	46	42	39	44	41	38	37	36	35	35
5	53	45	39	34	51	44	38	34	42	38	34	41	37	34	40	36	33	32	31	30	30
6	49	40	34	30	48	39	34	30	38	33	30	37	33	29	36	32	29	28	27	26	26
7	45	36	30	26	44	36	30	26	35	30	26	34	29	26	33	29	26	24	23	22	22
8	42	33	27	23	41	33	27	23	32	27	23	31	26	23	30	26	23	22	21	20	20
9	39	30	25	21	38	30	25	21	29	24	21	28	24	21	28	24	21	19	18	17	17
10	37	28	22	19	36	27	22	19	27	22	19	26	22	19	25	22	19	17	16	15	15

Catalog Number: ICL-65XLS-XXX-OU  
Lamp: 250-400W Clear High Pressure Sodium

Reflector: Formed open bottom 15" dia. aluminum reflector

Lumens: Per 1,000 lamp lumens  
Efficiency: 67.7%

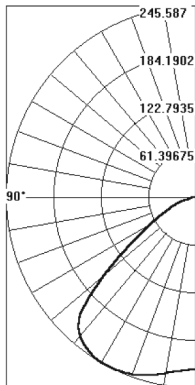
CIE Type: Semi-Direct

Luminaire Spacing Criteria: 1.6

Candela & Lumen values are based on 1,000 lamp lumens. For other lamp lumen ratings, multiply candela and lumen values by the number: Lumens divided by 1,000.

Per 1,000 Lamp Lumens

DEG	CANDELA	LUMENS
0	217.4	
5	216.4	20.6
15	222.2	63.0
25	226.8	104.8
35	225.0	141.2
45	207.4	158.4
55	122.6	110.8
65	52.2	52.6
75	19.4	21.0
85	3.8	4.6
90	0.8	



ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0-30	202.1	20.2	30.1
0-40	353.5	35.4	52.7
0-60	604.4	60.4	90.0
0-90	671.5	67.1	100.0
90-120	0	0.0	0.0
90-130	0	0.0	0.0
0-180	671.5	67.1	100.0

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

	80				70				50				30				10				0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
0	80	80	80	80	78	78	78	78	75	75	75	72	72	72	69	69	69	67	67	67	67
1	74	72	69	67	73	70	68	66	67	66	64	65	63	62	62	61	60	60	59	59	59
2	68	64	60	56	67	62	59	56	60	67	64	68	55	53	56	54	52	51	50	49	49
3	63	57	52	48	61	56	51	47	54	50	46	52	48	46	50	47	45	44	43	42	42
4	58	50	45	41	56	50	45	41	48	44	40	46	43	40	45	42	39	38	37	36	36
5	53	45	40	36	52	45	39	35	43	39	35	42	38	35	41	37	34	33	32	31	31
6	49	41	35	31	48	40	35	31	39	34	31	38	34	30	37	33	30	29	28	27	27
7	46	37	31	28	45	37	31	27	36	31	27	35	30	27	34	30	27	26	25	24	24
8	43	34	28	25	42	33	28	24	32	28	24	32	27	24	31	27	24	23	22	21	21
9	40	31	26	22	39	31	25	22	30	25	22	29	25	22	28	25	22	20	19	18	18
10	37	29	23	20	36	28	23	20	28	23	20	27	23	20	26	22	20	18	17	16	16

Catalog Number: ICL-65XH-XXX-OU  
Lamp: 400W (BT37) Clear Metal Halide

Reflector: Formed open bottom 15" dia. aluminum reflector

Lumens: Per 1,000 lamp lumens  
Efficiency: 67.1%

CIE Type: Semi-Direct

Luminaire Spacing Criteria: 1.6

Candela & Lumen values are based on 1,000 lamp lumens. For other lamp lumen ratings, multiply candela and lumen values by the number: Lumens divided by 1,000.

Per 1,000 Lamp Lumens

DEG	CANDELA	LUMENS
0	221.2	
5	224.1	21.5
15	237.1	67.4
25	245.3	113.2
35	241.8	151.5
45	213.0	159.1
55	100.0	91.8
65	45.0	45.0
75	16.8	17.6
85	3.2	4.4
90	1.0	

