## DESCRIPTION

The Fail-Safe ICP combines maximum security construction features with energy saving technology. This recessed concrete pour luminaire utilizes a one-piece heavy gauge housing, security lensing and tamper resistant fasteners to maximize impact resistance and prevent unauthorized fixture penetration. For ceiling mount. UL/cUL listed for wet locations. The ICP is ideal for confinement/security applications. Suitable for use in corridors, showers, washrooms, dayrooms and general population areas.

| | | |
|---|---|---|
| Catalog # | | Type |
| Project | | |
| Comments | | Date |
| Prepared by | | |

## SPECIFICATION FEATURES

**Fasteners**
Stainless steel tamper-resistant T20 TORX® screws with center pin reject are standard. Allen-head screws with center pin reject are optional.

**Housing**
Die-formed 16 ga. galvanized steel with die formed, spot welded ends. Gloss: 85%; Reflectance: 93%; Hardness: 2H; Salt Spray: 500 Hours.

**Door**
One-piece, 14 ga. CRS door frame with die-formed edges and tightly closed corners increases rigidity.

**Socket**
Porcelain socket, copper screwshell, silicone braid, 150°C (for use with incandescent lamps).

**Light Mask**
Polyurethane gasketing surrounds door frame and prevents light leaks.

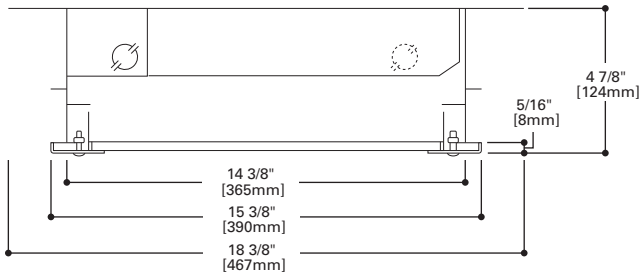
**Mounting Yoke Assembly**
Two 16 ga., galvanized steel "L" angles attach to sides of housing for mounting to deck prior to concrete pour.

**Lens**
Choice of prismatic acrylic, prismatic polycarbonate or prismatic tempered glass on fixture side, clear polycarbonate or clear tempered glass on environmental side.

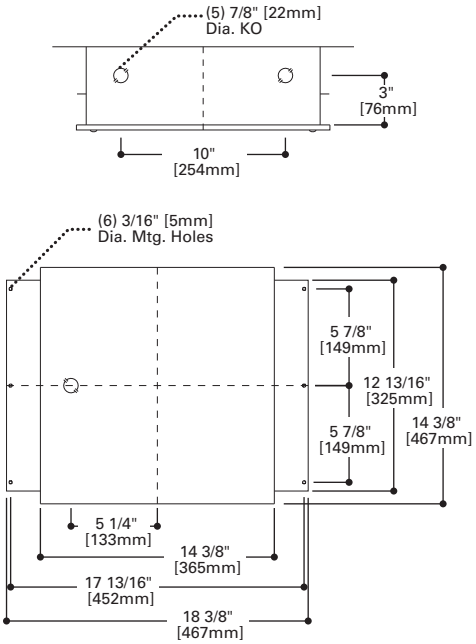
**Lamps**
By others.

**Lens Retention**
Continuous, 16 ga., "L" angles, held with machine screws provide secure lens retention.

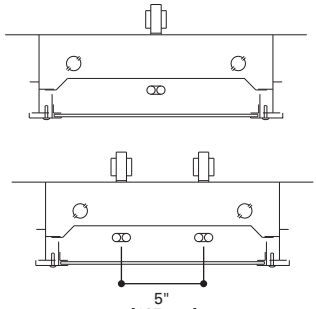
**Labels**
UL listed for concrete pour or recessed applications, UL/cUL listed, standard wet label.




## MOUNTING DIMENSIONS




## LAMP CONFIGURATIONS




# ICP

**Compact Fluorescent**
**Confinement/Correctional**

**MAXIMUM SECURITY**
**Concrete Pour Recessed**

**14 3/8" Square**

## ENERGY DATA

Input Watts:
**STD Ballasts & STD Lamps**
(1) 13W Twin Tube: 17W
(2) 13W Twin Tube: 34W
(3) 13W Twin Tube: 51W

**Electronic Ballast Data**
Consult Cooper Lighting Representative.

## ORDERING INFORMATION

**Sample Number: ICP-213-UNV-82/96-SSN-SF3**

**Product Family**
**ICP**
**ICP**= Maximum Security Concrete Pour Luminaire

**Lamp Type**
**Compact Fluorescent**
**113** = (1) 13W Lamp
**213** = (2) 13W Lamps
**313** = (3) 13W Lamps
**226** = (2) 26W Quad Lamps

**Voltage**
**120**=120V
**277**=277V
**347**=347V
**UNV**=120V-277V

**Lens Type**
/
**Inner Layer / (optional)**
**90**=0.005 UV Absorbing Overlay
**Fixture Side**
**80**=0.125 Prismatic Acrylic
**81**=0.156 Prismatic Polycarbonate
**82**=0.187 Prismatic Polycarbonate
**93**=0.156 Prismatic Tempered Glass
**Environmental Side**
**84**=0.125 Clear Polycarbonate
**85**=0.187 Clear Polycarbonate
**86**=0.250 Clear Polycarbonate
**87**=0.375 Clear Polycarbonate
**88**=0.500 Clear Polycarbonate
**94**=0.187 Clear Tempered Glass
**96**=0.250 Clear Tempered Glass
**97**=0.375 Clear Tempered Glass
**98**=0.500 Clear Tempered Glass

**Ballast**
**EBT1**=(1) Electronic Ballast
**EBT2**=(2) Electronic Ballasts

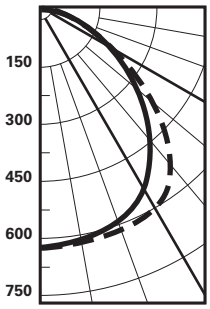
**Options**
**EBP**=Emergency Battery Pack
**Stainless Steel Door Frames**
**SSN**=Natural Brushed Finish
**SSP**=Polyester Powder Coat Finish
**Fasteners**
**SF3**=Allen-Head (center pin reject)

**Accessories (order separately)**
**9306**=Allen-Head Wrench
**VRSD**=T20 Center Pin Tamperproof TORX® -Head bit

**Notes:**
1 90 not available in 313 or 226

## PHOTOMETRICS

### Candlepower Distribution




Test No. 5159
**ICP-213**
Lamp=(2) PL13
Lumens=900

Spacing Criteria
⊥=1.4 ||=1.3
Efficiency=87.8%

### Candlepower

| Deg. | ⊥ | \|\| |
|---|---|---|
| 0 | 623 | 623 |
| 5 | 622 | 619 |
| 15 | 620 | 601 |
| 25 | 611 | 560 |
| 35 | 579 | 488 |
| 45 | 456 | 368 |
| 55 | 279 | 232 |
| 65 | 134 | 125 |
| 75 | 59 | 56 |
| 85 | 19 | 17 |
| 90 | 0 | 0 |

### Zonal Lumen Summary

| Zone | Lumens | %Lamp | %Luminaire |
|---|---|---|---|
| 0-30 | 505 | 28.1 | 31.9 |
| 0-40 | 848 | 47.1 | 53.7 |
| 0-60 | 1400 | 77.8 | 88.6 |
| 0-90 | 1580 | 87.8 | 100.0 |
| 90-180 | 0 | 0.0 | 0.0 |
| 0-180 | 1580 | 87.8 | 100.0 |

### Coefficient of Utilization

| rc | 80% | | | | 70% | | | 50% | | 30% | | 10% | | 0% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rw | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 10 | 50 | 10 | 50 | 10 | 0 |
| RCR | | | | | | | | | | | | | | |
| 0 | 105 | 105 | 105 | 105 | 102 | 102 | 102 | 98 | 98 | 93 | 93 | 90 | 90 | 88 |
| 1 | 97 | 94 | 91 | 88 | 92 | 89 | 86 | 88 | 84 | 85 | 81 | 82 | 79 | 77 |
| 2 | 90 | 84 | 79 | 75 | 83 | 78 | 74 | 80 | 72 | 77 | 71 | 74 | 69 | 67 |
| 3 | 83 | 76 | 70 | 65 | 74 | 69 | 64 | 72 | 63 | 70 | 62 | 67 | 61 | 59 |
| 4 | 77 | 68 | 61 | 56 | 67 | 61 | 56 | 65 | 55 | 63 | 54 | 61 | 54 | 52 |
| 5 | 71 | 61 | 54 | 49 | 60 | 53 | 48 | 58 | 48 | 56 | 47 | 55 | 47 | 45 |
| 6 | 66 | 55 | 48 | 43 | 54 | 47 | 42 | 53 | 42 | 51 | 42 | 50 | 41 | 40 |
| 7 | 61 | 49 | 42 | 37 | 49 | 42 | 37 | 47 | 37 | 46 | 37 | 45 | 36 | 35 |
| 8 | 56 | 44 | 37 | 32 | 44 | 37 | 32 | 43 | 32 | 41 | 32 | 40 | 32 | 30 |
| 9 | 51 | 40 | 33 | 28 | 39 | 32 | 28 | 38 | 28 | 37 | 28 | 36 | 27 | 26 |
| 10 | 47 | 36 | 29 | 25 | 36 | 29 | 25 | 35 | 25 | 34 | 24 | 33 | 24 | 23 |

**rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio**
**CU Data Based on 20% Effective Floor Cavity Reflectance.**