

CATALOG #	TYPE
JOB NAME	WATTAGE VOLTAGE

12" 1/1 PS25/A21 300/150 WATT MAXIMUM

IWR-12147

Direct / Indirect: Indoor or Outdoor

Specifications

Lamps / Sockets

- Designed for 1 direct/1 indirect frosted incandescent lamp (by others): Horizontal 300/150W maximum PS25/A21.
- Dimmable (controls by others).
- Glazed porcelain medium base sockets.

Reflectors

- Specular Alzak® aluminum.

Trim Assemblies

- Direct: Tapered aluminum one piece black OptiGroove with white flange and tempered prismatic C#73 flat glass. Optional lenses and trims available.
- Indirect: Tempered prismatic C#73 flat glass on upper reflector.

Aluminum Housing

- Seamless white acrylic enameled with wall bracket.

- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- No visible hardware.
- Cool operation: Extends component life.

Installation

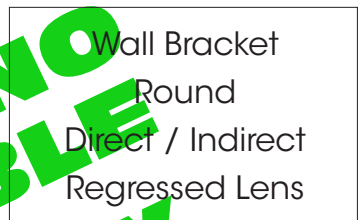
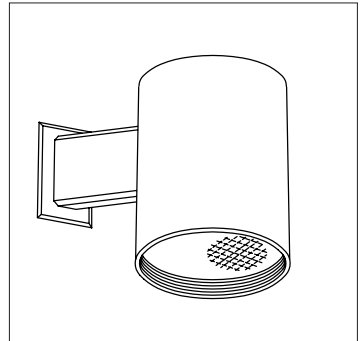
- Wall bracket extrusion assembled to housing. Wall plate included, for recessed outlet box.
- Mounting hardware included.
- Pendant mount available. (See Option -PM). Not available with Option -86.
- Indoor or outdoor for covered ceiling use. For wet label in uncovered areas, add Option -86.

UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings.
- With Option -86: Wet, damp or dry locations, uncovered areas.
- 90°C minimum supply wire.

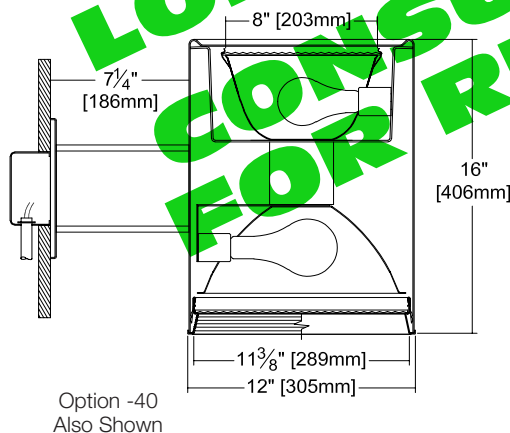
Three Year Limited Warranty

- Complete standard fixture.

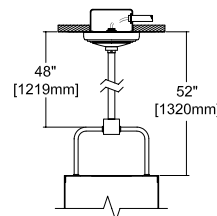


Performance at a Glance

IWR-12147



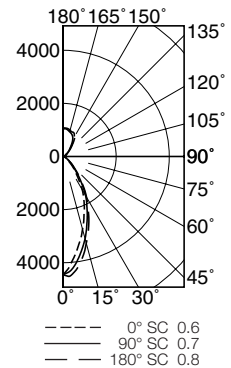
Exceptional Energy Efficiency



Representative View:

(Left) With optional pendant mount (Option -PM)

IWR-12147
(300 / 150 Watt)



--- 0° SC 0.6
--- 90° SC 0.7
--- 180° SC 0.8

EFFICIENCY: 62.0%
ITL TEST #47258

THE KIRLIN COMPANY

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(313) 259-6400 • Fax: (313) 259-9409 OR (313) 259-3121 • www.kirlinlighting.com

TUNGSTEN HALOGEN &
INCANDESCENT LIGHTING

MAXIMUM WATTAGE

300 / 150

CATALOG NUMBER

IWR-12147

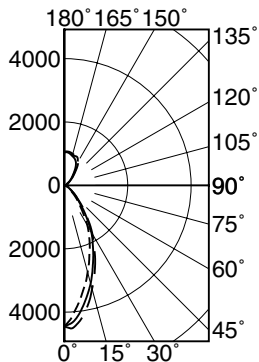
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Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

Photometry from I.T.L., Boulder, CO

IWR-12147 (300 / 150 Watt)



--- 0° SC 0.6
 — 90° SC 0.7
 — 180° SC 0.8

EFFICIENCY : 62.0%

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	4453	4453	4453	4453	4453
5	3383	3425	3730	3950	3971
15	1450	1418	1702	1702	1765
25	294	326	399	399	399
35	63	74	84	84	84
45	0	0	0	0	0
55	84	83	87	86	86
65	244	235	227	243	261
75	840	789	725	820	895
85	1023	1014	1015	1042	1063
90	1060	1060	1060	1060	1060

COEFFICIENTS OF UTILIZATION							
RF	20						
RC	80				50		
RW	70	50	30	10	50	30	10
1	65	62	61	59	53	52	51
2	60	56	53	51	48	46	45
3	56	51	48	45	44	42	40
4	52	47	43	40	41	38	36
5	49	43	39	36	38	35	32
6	46	40	35	32	35	32	30
7	45	37	32	29	33	28	27
8	41	34	30	27	30	27	25
9	38	32	28	25	29	25	23
10	36	30	26	23	27	24	22

ITL TEST #47258

Options

Wattage and Voltage

-58 277/120 volt stepdown transformer for 277 volt line input, prewired into fixture.

Lenses - Direct Position Only

-18 Opal flat glass. Not enamelled. Diffusing.
 -20 White 1/2" cube eggcrate aluminum louver.
 -FR Fresnel tempered glass lens.
 -HO Holophane concave prismatic tempered lens instead.

Trims - Direct Position Only or See -99

-40 White grooveless flare trim. (CP x 1.10)
 -45 Gasket between trim and housing.

-46 Gasket between trim and lens.

Luminaire (Housing) Finishes

-35 Natural aluminum acrylic enamel.
 -36 Gold acrylic enamel.
 -37 Dark Bronze acrylic enamel.
 -38 Black acrylic enamel.
 -94 Custom color/finish. Specify. Consult factory.

Mounting

-54 Safety cable through pendant stem and 12" beyond. Use with -PM.
 -87 Custom wall bracket length or custom pendant length (other than 48"). Specify length.

-88 Swivel canopy for sloped ceilings up to 40°. Use with -PM.

-PM Pendant mount for damp or dry locations only. 48" stem plus 4" offset (see diagram). Also see Option -87.

Other

-86 Lensed WeatherCap (indirect position) with prismatic tempered glass lens. Required for wet label. Not available with Option -PM.
 -99 Special modification. Consult factory.

SUBMITTAL DATA

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER

APPROVAL STAMP