



ACULUX® RECESSED DOWNLIGHT

7" OPEN APERTURE

IC Rated, 120W PAR38 or 120W BR40

IC73-727 SERIES

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

PRODUCT DESCRIPTION

Recessed PAR38/BR40 downlight luminaire with 7" Alzak® deep cone aperture. Fixture has 50° visual cutoff to lamp and lamp image. Sealed Air-Loc housing eliminates leak-paths to ensure maximum energy savings and comfort. Also controls plenum sound transmission and keeps dust and insects from entering living space. IC rated housing for use in direct contact with insulation. Fixture has top access and can be relamped from above.

PRODUCT SPECIFICATIONS

Lamp One 120W PAR38 or 120W BR40 lamp.

Socket Medium base porcelain socket with nickel plated copper screw shell.

Trim Ring White baked enamel on steel • Torsion spring retention for tight, secure fit to ceiling • Beveled profile for clean ceiling interface without light leaks.

Reflector .040" aluminum reflector with clear, gold, black or haze finish • 50° lamp and lamp image cut-off.

Labels U.L. listed for direct contact with insulation, through-branch wiring, damp locations and IP • Meets Washington State Air Tight Requirements, 1995 CABO Model Energy Code
• Product thermally protected against improper use of lamps
• Union made • CSA certified.

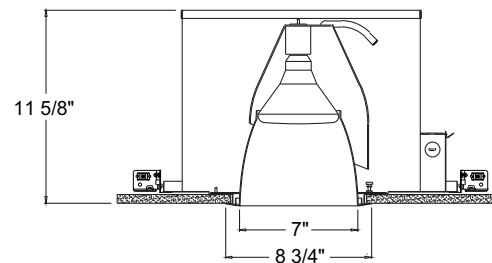
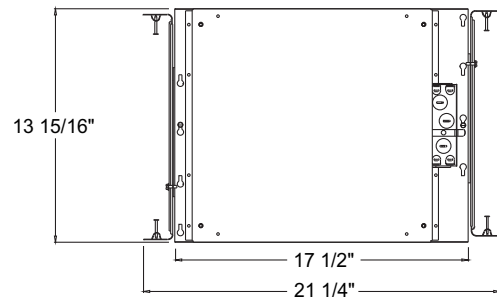
Testing All reports are based on published industry procedures; field performance may differ from laboratory performance.

Product specifications subject to change without notice.

PRODUCT CODES

Catalog Number	Reflector Finish	Wattage and Lamp
IC73-727C-WH	Clear Alzak	120W PAR38 or 120W BR40
IC73-727B-WH	Black Alzak	120W PAR38 or 120W BR40
IC73-727G-WH	Gold Alzak	120W PAR38 or 120W BR40
IC73-727HZ-WH	Haze	120W PAR38 or 120W BR40
IC73-727WHZ-WH	Wheat Haze	120W PAR38 or 120W BR40

DIMENSIONS



8 1/8" CEILING CUTOUT

INSTALLATION

Real Nail 3 Bar Hangers Telescoping, patent-pending Real Nail 3 system permits quick placement of housing anywhere within 24" O.C. joists or suspended ceilings • Integral T-bar notch and clip secures housing in suspended ceiling grid – no accessory clips required • 24" expansion stop allows quick placement of fixture in standard grid spacing • Bars scored in two locations for fast, clean breaking, allowing housing installation in tight applications
• Bars captive to mounting frame • Edge-mounted for extra strength • Captive bugle-headed ring shank nail for quick one-step installation and easy removal with claw hammer for fixture relocation • Quick-Loc slot and oversized locking set screw lock fixture in position • Bar hanger foot contoured to align to bottom of construction joist • Alternate mounting holes included.

Junction Box Pre-wired junction box, U.L. listed/CSA certified for through-branch wiring, maximum 8 No. 12 AWG 90° C branch circuit conductors (4 in, 4 out) • Junction box provided with removable access plates (5) 1/2" and (1) 3/4" knockouts, (4) Non-metallic sheathed cable knock-outs with built-in strain reliefs and ground wire • Knockouts equipped with pryout slots.

Housing/Mounting Frame 20-gauge die-formed galvanized steel plaster frame • .032" die-formed aluminum outer housing
• Rough-in section (junction box, mounting frame, housing assembly and bar hangers) fully assembled for ease of installation.

PHOTOMETRIC REPORT

Test Report #: PTO7021202

Catalog No: IC73-727C-WH

Total Luminaire Efficiency: 91.5%

Luminaire Spacing Criterion: 0.51

Luminaire: 7" Recessed PAR38 Open Downlight

Lamp: One 120W PAR38/FL lamp rated @ 1900 lumens

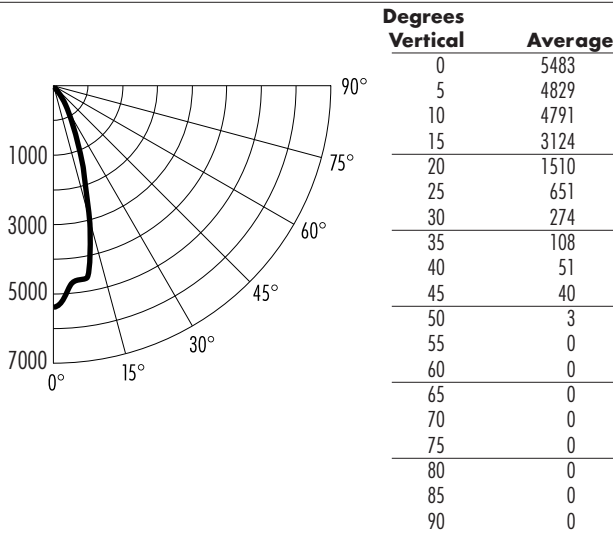
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CANDLEPOWER DISTRIBUTION (Candelas)



*Multipliers: Gold - 0.9, Haze - 0.95, Black - 0.7

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	2266
55	0
65	0
75	0
85	0

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	1646	86.6	94.7
0-40°	1719	90.5	98.9
0-60°	1738	91.5	100.0
0-90°	1738	91.5	100.0
90-180°	0	—	—
0-180°	1738	91.5	100.0

COEFFICIENTS OF UTILIZATION – % (Zonal Cavity Method) Effective Floor Cavity Reflectance 20% (ρfc)

RCR	ρcc ρw	80			70			50			30			10			0
		50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
0		109	109	109	106	106	106	102	102	102	97	97	97	93	93	93	90
1		103	101	100	101	99	98	97	96	95	94	93	92	91	90	90	87
2		98	95	93	96	94	92	94	92	90	91	89	88	89	87	86	85
3		93	90	87	92	89	87	90	87	85	88	86	84	86	84	83	82
4		90	86	83	89	85	82	87	84	81	85	83	81	83	81	80	79
5		86	82	79	85	81	79	84	80	78	82	80	77	81	79	77	76
6		83	79	76	82	78	75	81	77	75	80	77	75	79	76	74	73
7		80	76	73	79	75	73	78	75	72	77	74	72	76	74	72	71
8		77	73	70	76	73	70	76	72	70	75	72	69	74	71	69	68
9		74	70	68	74	70	68	73	70	67	73	69	67	72	69	67	66
10		72	68	65	72	68	65	71	68	65	70	67	65	70	67	65	64

ρcc – Ceiling Cavity Reflectance (%) ρw – Wall Reflectance (%)

INITIAL FOOTCANDLES

One Unit, 120W PAR38, 30° Beam

Footcandles Beam Edge	Footcandles Beam Center	Beam Diameter	Distance to Illuminated Plane (Feet)
67.7	152.3	3.4'	6
38.1	85.7	4.6'	8
24.4	54.8	5.7'	10
16.9	38.1	6.8'	12
12.4	28.0	8.0'	14
9.5	21.4	9.1'	16
7.5	16.9	10.3'	18
6.1	13.7	11.4'	20

(Beam Edge defined as 50% of Maximum Nadir Candlepower)

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60' x 60' Room)

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	122	110	102
5.0'	78	71	65
6.0'	54	49	45
7.0'	44	40	37
8.0'	35	31	29
9.0'	27	24	22
10.0'	20	18	16

*Note: Multipliers are provided for estimating purposes only. Use IES photometric files for precise photometric information.

