



Date: 2/6/2025

Project: Allen Building at 505 Davis Street

Bid Clarification: 1

Please note the following information/clarifications related to the above-mentioned project. The information contained herein is considered part of the contract documents.

**Electrical:**

- **1.** On sheet LP-3.01, detail 1 lighting plan. The room at the top and on the left side of the building is showing a ceiling fan designated as CF2. There is no CF2 ceiling fan on sheet LP-4.01. Is the CF2 fan a CF1 fan?
  - **There is only a CF-1 fan type. Fan at Kitchenette 119 is CF-1. (Refer to Archillum attachment.)**
  
- **2.** On sheet LP-3.01, detail 1 lighting plan shows type EM1 lights in the corridor and the same room as question 1. There is no type EM1 light on sheet LP-4.01
  - **(Refer to Archillum attachment.)**
  
- **3.** On sheet LP-3.01 there are two lights tagged as OU1. The two lights tagged as OU1 are two different lights. One looks like it is wall mount and the other looks like it is ceiling mount. There is no OU1 light on sheet LP-4.01.
  - **(Refer to Archillum attachment.)**
  
- **4.** On sheet LP-3.01 the lighting controls summary shows eleven ceiling mounted occupancy sensors. The lighting plan on the same sheet is showing thirteen ceiling occupancy sensors. Which is the correct count? If the lighting controls summary is correct, which occupancy sensor can be removed?
  - **The Lighting Plan is correct, 13 sensors are required. (Refer to Archillum attachment.)**
  
- **5.** On sheet E501, general note I states " NO EXPOSED CONDUIT SHALL BE INSTALLED IN FINISHED SPACE". With the central corridor, kitchenette, Women's restroom, Men's restroom, and Storage room being drywall ceilings, exposed conduit will be required in the vendor's areas for occupancy sensors, track lighting, receptacles and powerpacks. Will this be an issue?
  - **Talex Response: Surface mounted exposed conduit and boxes are anticipated when shown or otherwise implied on existing masonry walls and on roof trusses. Conduit is to be concealed where possible.**

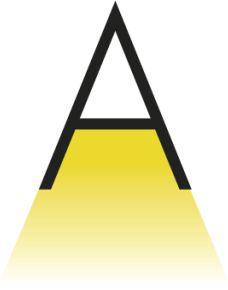




- **6.** On sheet E201 there is nine vendor spaces with power pack relays for controlling receptacles. Sheet LP-3.01 is showing eleven 4 button wall pods for track lighting and receptacles and twelve power packs for receptacles. Which is correct?
  - *Talex FYI: I showed the roof truss receptacles on the power plan to adequately account for the receptacle loads (in accordance with the NEC). I intercepted these ceiling receptacles with a relay so they would be switched with the space lighting. However, in our haste to finish, it appears that I left out 3 relays in spaces 104, 108, and 109.*
  
- **7.** On sheet LP-3.01 in detail 1 there is a two gang switch as each vendor space. What are the two switches for?
  - *(Refer to Archillum attachment.)*
  
- **8.** On sheet LP-3.01 in detail 2, several of the lights are shown to be on non-dimming power pack. The electrical plans do not show any time clock or contactors. What time clock and which circuits need to be ran through contactors? How many poles will the contactors require?
  - *Talex Response: There probably needs to be some sort of switching function for the fixtures that are not controlled by occupancy sensors, like the main hall. I think the IECC exempts paths of egress from automatic control, so it might be simple 3-way switches at the front door and the back door There also needs to be some sort of auto-switch for the front porch lighting – photocell and/or clock. The back door fixture needs a built-in photocell or proximity sensor. (Refer to Archillum attachment.)*
  
- **9.** See attached responses from Archillum for further information.

END OF BID CLARIFICATION.





ARCHILLUME  
LIGHTING DESIGN, INC.

12212 BRIGADOON LANE  
UNIT 136  
AUSTIN, TEXAS  
78727  
CELL 512 413 7654  
CIRCA 1985



505 EAST DAVIS  
LULING, TEXAS

## LIGHTING ASI

Wednesday, February 5, 2025



02/05/2025

CHARLES K. THOMPSON, FAIA  
TEXAS ARCHITECT NUMBER 10458

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### ARCHILLUME RESPONSE TO LIGHTING QUESTIONS

#### Lighting

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1. On sheet LP-3.01, detail 1 lighting plan. The room at the top and on the left side of the building shows a ceiling fan designated as CF2. There is no CF2 ceiling fan on sheet LP-4.01. Is the CF2 fan a CF1 fan?

CHANGE CF2 IN ROOM 119 TO TYPE CF1.

2. On sheet LP-3.01, detail 1 lighting plan shows type EM1 lights in the corridor and the same room as question 1. There is no type EM1 light on sheet LP-4.01. Charles to respond.

SEE ATTACHED CUT SHEET FOR FIXTURE TYPE EM1.

3. On sheet LP-3.01 there are two lights tagged as OU1. The two lights tagged as OU1 are two different lights. One looks like it is wall mount and the other looks like it is ceiling mount.

THIS QUESTION LIKELY ADDRESSES FIXTURE U01. SEE ATTACHED CUT SHEET FOR FIXTURE TYPE EM1.

4. On sheet LP-3.01 the lighting controls summary shows eleven ceiling mounted occupancy sensors. The lighting plan on the same sheet shows thirteen ceiling occupancy sensors. Which is the correct count? If the lighting controls summary is correct, which occupancy sensor can be removed? The Lighting Plan is correct, 13 sensors are required.

PROVIDE OCCUPANCY SENSORS PER LIGHTING PLAN. FINAL LOCATION & QUANTITY SHALL BE BASED ON APPROVED LIGHTING CONTROL SUBMITTAL.

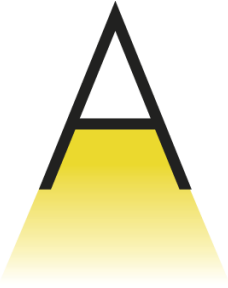
#### Electrical

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5. NOT LIGHTING

6. On sheet E201 there is nine vendor spaces with power pack relays for controlling receptacles. Sheet LP-3.01 shows eleven 4 button wall pods for track lighting and receptacles and twelve power packs for receptacles. Which is correct?

PROVIDE POWER PACKS FOR CONTROL ZONE SUMMARY ON LP-3.01



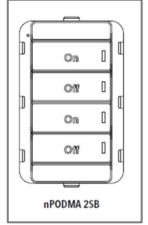
ARCHILLUME  
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AUSTIN, TEXAS  
78727  
CELL 512 413 7654  
CIRCA 1985



7. On sheet LP-3.01 in detail 1 there is a two gang switch for each vendor space. What are the two switches for?

TWO GANG SWITCH SYMBOLS ON LP-3.01 ARE SINGLE GANG WALL POD CONTROLS WITH 4 BUTTONS EACH. SEE IMAGE AT RIGHT AND CONTROL DEVICE SUMMARY.

ONE SET OF ON / OFF BUTTONS IS FOR TRACK LIGHTING. SECOND SET OF ON / OFF BUTTONS IS FOR RECEPTACLES.



8. On sheet LP-3.01 in detail 2, several of the lights are shown to be on non-dimming power pack. The electrical plans do not show any time clock or contactors. What time clock and which circuits need to be ran through contactors? How many poles will the contactors require?

ELECTRICAL ENGINEER CAN COMMENT ON CONTACTORS.

FOR LIGHTING CONTROL, TIMECLOCK SHALL BE PART OF LIGHTING CONTROL SYSTEM. SEE GENERAL NOTES FOR LIGHTING CONTROLS ON SHEET LP-4.01. TIMECLOCK CONTROL SHALL CONTROL ZONES MARKED NON-DIM PP VIA TIMECLOCK IN CONTROL ZONE SUMMARY.



# EV4R Series

RECESSED CEILING MOUNT LED EMERGENCY LIGHT

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_  
 TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_  
 CATALOG #: \_\_\_\_\_



## FEATURES

- Choice of round or rectangular trim-plate in white or black finish
- 4 LEDs housed within an aluminum heat-sink and adjustable optic assembly
- Individual LEDs are driven at 1 watt each for 88 lumens per LED
- Offers up to 42' spacing on a 6' path
- Part of the Evolution (EV) Life Safety family

## EV FAMILY



## SPECIFICATIONS

### APPLICATION

- The EV4R Series is a ceiling mounted, recessed emergency light with superior emergency lighting coverage
- The EV4R provides 90 minutes of emergency illumination when primary power is lost
- The EV4R Series has a flame-rated, UV stable thermoplastic housing and choice of round or square trim-plate in white or black finish
- The 4 LEDs are housed within an aluminum heat-sink and adjustable optic assembly. Each LED is driven at 1 watt each
- Includes micro-controlled pulse charger and nickel metal hydride (NiMH) battery
- The EV accepts 120/277VAC input at 50 or 60 Hz
- Unit can be applied at 220-240VAC input without self-diagnostic option
- The EV4R is approved for use in the City of Chicago with the addition of a KIT-EV4R-CP which includes a gasket, foil tape and special installation instructions

### CONSTRUCTION

- The EV4R housing and trim-plate is made of flame-rated, UV stable thermoplastic with a lightly textured white or black finish
- Each LED is housed in an aluminum heat-sink

### CONSTRUCTION (CONTD.)

- Adjustable optic assembly is made of ABS thermoplastic
- LED lens are made of acrylic. Includes a steel back-box and caddy-bar assembly

### INSTALLATION

- The EV4R includes a round or square trim-plate with a rough-in template for back-box installation
- Includes a caddy bar assembly for mounting within a T-Grid ceiling
- Conduit entry through knock-outs in the back-box
- Pre-stripped AC input leads provided. Unit designed for ceiling mount only.

### ILLUMINATION

- The EV Series provides bright and uniform illumination and increased spacing by using 4 high power LEDs which are mounted in an adjustable optic assembly in 2 pairs
- Adjustability is based on mounting height for optimal light pattern
- LED's are driven at 1 watt each for 88 lumens per LED
- Photometrics are available for download on the Dual-Lite website.

### COMPLIANCES

- Listed to UL924 Standard
- NFPA 101
- NFPA 70
- Damp Location Listed
- CEC T20 Compliant

### WARRANTY

- LED Lifetime Warranty
- EV4R Full 3 year warranty
- EV 4R with Spectron® Full 5 year warranty

KEY DATA	
Total Lamp Output	1W, 88 Lumens per LED
System Efficacy (LPW)	80
Rated LED Lifecycle (Hours)	> 100,000



# EV4R Series

RECESSED CEILING MOUNT LED EMERGENCY LIGHT

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_  
 TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_  
 CATALOG #: \_\_\_\_\_

## ORDERING GUIDE

Example: EV4RB

CATALOG #

EV		Capacity		Recessed		Self-Diagnostics		Finish	
Model									
EV	EV Series	4	4 Watt	R	Recessed	Blank	No Self-Diagnostics	Blank	White
						I	Spectron® Self-Test/Self-Diagnostics <sup>3</sup>	B	Black

### Accessories

KIT-EV4R-CP Kit for Chicago Plenum Rating<sup>4</sup>

- Notes:
- 1 Each model includes round or square trim-plate
  - 2 Each model is damp listed
  - 3 Not for 220-240VAC input
  - 4 KIT-EV4R-CP adds gasket and foil tape to meet City of Chicago Plenum Rating

## ELECTRONICS

Upon failure of normal utility power, a solid-state transfer switch automatically activates the emergency LED lamp-heads. Upon resumption of normal utility power, the battery is disconnected from the load and recharged through a microprocessor controlled pulse charger. The battery is a maintenance-free Nickel Metal Hydride(NiMH) type. The EV4R series accepts dual-voltage input of 120 or 277VAC at 50 or 60 Hz. Unit can be applied at 220-240VAC input at 50-60 Hz. without the self-diagnostic option. A low voltage battery disconnect (LVD) feature protects the battery from severe damage during prolonged power failures. Manual testing is available at any time using the push-to-test button. Number of Lamps- 4 High Power LEDs at 1 watt each configured so that if 1 lamp malfunctions, the remaining lamp will continue to provide illumination.

## STANDARD FEATURES INCLUDE

- Intelligent 2-wire input connection
- External push-to-test switch and AC-on indicator
- Battery re-charge within 24 hours
- AC Lock-out circuit
- Low voltage disconnect
- Conduit entry knock-out located at the top center
- Microprocessor controlled pulse charger

## OPTIONAL SPECTRON FEATURE

- Self-diagnostics monitors LED status, LED load transfer circuit, battery capacity and charger function and displays any fault detection by means of a flashing code
- Self-Test feature automatically runs a 1 minute test once a month and an alternating 30 or 60 minute test once every 6 months. Multi-color LED indicator provides visible fault detection and charging status
- User initiated 1 or 90-minute system test feature
- 15 minute re-transfer delay
- Automatic unit transfer in brown-out conditions (below 80% of nominal AC input voltage)

## OPERATING TEMPERATURE RANGE

Damp Listed: 50° to 104°F (10° to 40°C)

## WEIGHT

3.0 lbs

## MAXIMUM POWER CONSUMPTION

	AC Voltage	Hz.	Amps.	Max. Watts	Power Factor
EV4R	120	60	0.022	2.00	0.73
	240	60	0.015	2.51	0.65
	277	60	0.014	2.75	0.63

Maintenance mode power consumption less than 0.5 watts.



**EV4R Series**

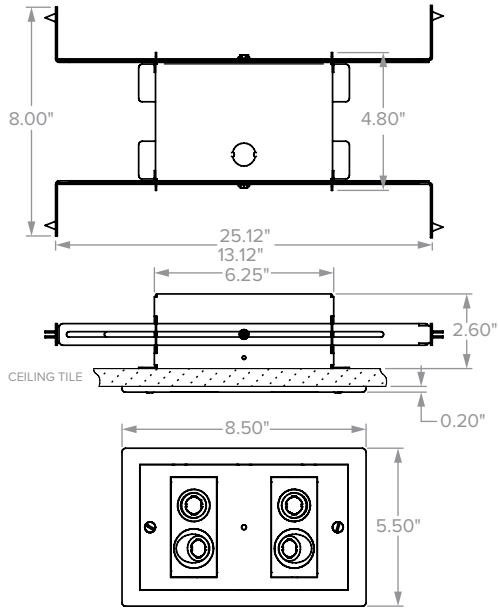
RECESSED CEILING MOUNT LED EMERGENCY LIGHT

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_  
 TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_  
 CATALOG #: \_\_\_\_\_

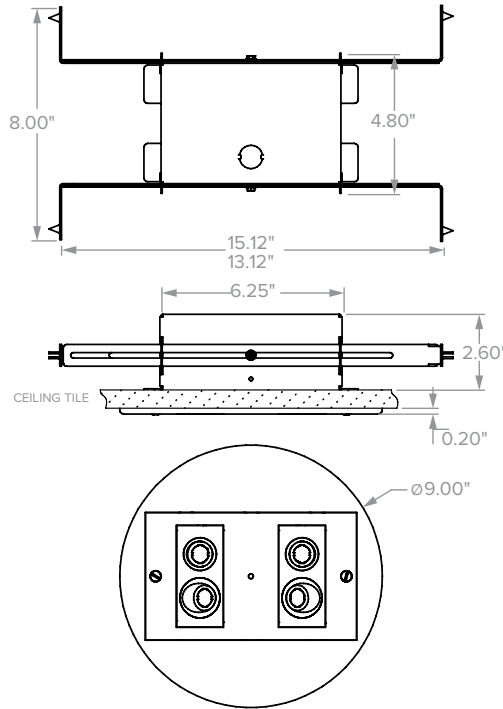


**DIMENSIONS**

Rectangle

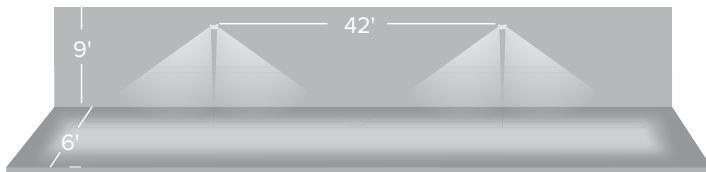


Round



**APPLICATION INFORMATION**

Multi-Unit Spacing



Ceiling Height: 9'  
 Path Width: 6'  
 Spacing: 42'

Meets Life Safety Code minimum illuminance of 0.1 fc and average illuminance of 1.0 fc.  
 Assumes open space with no obstructions, ceiling height of 9' and reflectances of 80/50/20.  
 Photometry files available on the Dual-Lite web site.

Photometric file reference;  
 Position 1- 9' Mounting Height  
 Position 2- 10' Mounting Height  
 Position 3- 11' Mounting Height  
 Position 4- 12' Mounting Height

Refer to Instruction Sheet for lamp-head position at installation to maximize spacing



# JUNO SLIMBASICS™ LED SURFACE MOUNT DOWNLIGHT

FOR J-BOX INSTALLATION

5" & 7" ROUND  
JSBC SERIES



Project: \_\_\_\_\_  
 Fixture Type: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Contact/Phone: \_\_\_\_\_

## PRODUCT DESCRIPTION

Sleek, low-profile LED round surface mount downlights in 5" and 7" sizes  
 • Provides economical installation by mounting directly over standard junction boxes  
 • Provides general illumination in residential and commercial applications including multi-family and hospitality  
 • Ideal for use in corridors, foyers, living spaces, closets, hallways, pantries, stairways and much more.

## PRODUCT SPECIFICATIONS

**Construction** Shallow, 1" low profile with metal housing and white finish  
 • Metal backplate allows for solid installation to junction box.

**Optics** Properly spaced LEDs and diffused lens provides uniform light distribution for general illumination even when dimmed.

**LED Light Engine** LEDs mounted directly to heatsink designed to provide superior thermal management and ensure long life • 3000K LED color temperature • LEDs binned for 4-step MacAdam ellipse color consistency (5" Only; While supplies last).

**LED Driver** Dedicated 120 volt (120) driver at 50/60Hz • Power factor > 0.9 at 120V input • 120 volt driver is dimmable with the use of most incandescent, magnetic low voltage and electronic low voltage wall box dimmers.

**Life** Rated for 50,000 hours at >70% lumen maintenance.

**Labels** ENERGY STAR® certified • Certified to the high efficacy requirements of California T24 JA8-2016 • CSA listed for US and Canada  
 • Suitable for damp locations.

**Testing** All reports are based on published industry procedures; actual performance may differ as a result of the end-user environment and applications. All values are design or typical values, measured under laboratory conditions at 25 °C.

**Warranty** 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

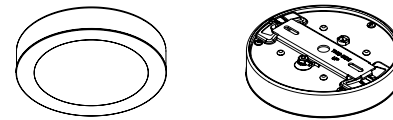
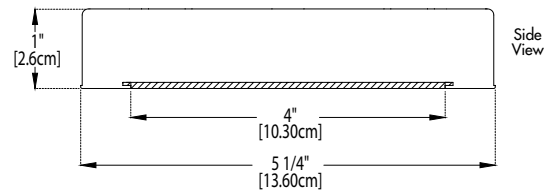
Specifications subject to change without notice.

## INSTALLATION

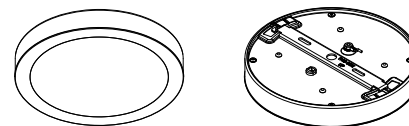
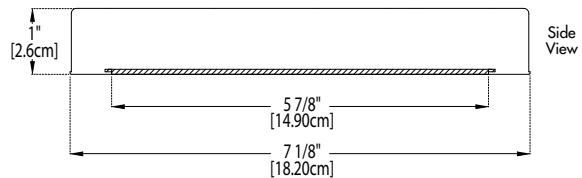
**Junction Box Mounting** Fixture provided with leads for direct wire connection in j-box • Installs directly to industry standard junction boxes  
 • Compatible boxes include 3" and 4" metal or plastic standard and fire-rated round and octagon junction boxes • Compatible with pancake boxes if enough depth is allowed for connections and wiring space • Quick mount bracket provides easy twist turn locking of fully assembled fixture to junction box • Suitable for wall and ceiling mount • Suitable for use within closet storage spaces when installed per NEC requirements.

Junction boxes vary - verify compatibility prior to installation.

## DIMENSIONS



JSBC 5IN



JSBC 7IN

## SPECIFICATIONS

	Width	Depth
JSBC 5IN	5.25" (13.6)	1" (2.6)
JSBC 7IN	7.15" (18.2)	1" (2.6)

All dimensions are in inches (centimeters) unless otherwise indicated.

## ORDERING INFORMATION

Example: JSBC 5IN 30K 90CRI WH

Series	Size	Color Temperature	CRI	Finish
JSBC SlimBasics Surface Mount Downlight - Round	5IN 5" 7IN 7"	30K 3000K	90CRI 90+ CRI	WH White



# JUNO SLIMBASICS™ LED SURFACE MOUNT DOWNLIGHT

FOR J-BOX INSTALLATION  
5" & 7" ROUND  
**JSBC SERIES**

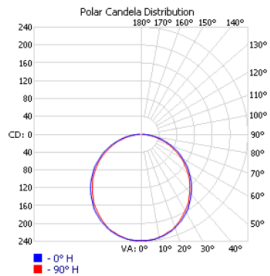
**PERFORMANCE DATA**

	JSBC 5IN	JSBC 7IN
	<b>3000K</b>	<b>3000K</b>
Lumens	650lm	1050lm
CRI	90CRI	90CRI
CCT	30K	30K
Voltage	120V	120V
Input Power	11W	17W
Input Current	100MA	145MA
Frequency	50/60Hz	50/60Hz
Power Factor	>0.9	>0.9

**PHOTOMETRICS**

**Distribution Curve      Distribution Data      Coefficient of Utilization      Illuminance Data at 30" Above Floor for a Single Luminaire**

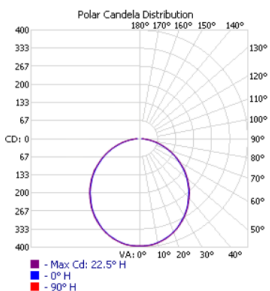
**JSBC 5IN 30K, 3000K LEDs, input watts: 10.8, delivered lumens: 681.9, LM/W = 63.1, test no. ISF 20460P30, tested in accordance to IESNA LM-79.**



COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD																		
EFFECTIVE FLOOR CAVITY REFLECTANCE: 20%																		
RCC %:	80				70				50		30		10	0				
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.08	1.03	.99	.95	1.06	1.01	.97	.84	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2	.98	.90	.83	.77	.96	.88	.82	.70	.85	.79	.74	.81	.77	.73	.78	.74	.71	.69
3	.90	.79	.71	.64	.87	.77	.70	.60	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4	.82	.70	.61	.54	.80	.68	.60	.51	.66	.59	.53	.64	.57	.52	.61	.56	.52	.49
5	.75	.62	.53	.47	.73	.61	.53	.44	.59	.52	.46	.57	.50	.45	.55	.49	.45	.43
6	.70	.56	.47	.41	.68	.55	.47	.39	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7	.65	.51	.42	.36	.63	.50	.42	.35	.49	.41	.35	.47	.40	.35	.46	.40	.35	.33
8	.60	.46	.38	.32	.58	.46	.38	.31	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9	.56	.43	.34	.29	.55	.42	.34	.28	.41	.34	.28	.40	.33	.28	.39	.33	.28	.26
10	.53	.39	.31	.26	.51	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	% LUMINAIRE
0-30	184.5	27%
0-40	300.9	44.1%
0-60	530.4	77.8%
60-90	151.5	22.2%
0-90	681.9	100%

**JSBC 7IN 30K, 3000K LEDs, input watts: 17.2, delivered lumens: 1127, LM/W = 65.5, test no. ISF 20464P30, tested in accordance to IESNA LM-79.**



COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD																		
EFFECTIVE FLOOR CAVITY REFLECTANCE: 20%																		
RCC %:	80				70				50		30		10	0				
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.08	1.03	.99	.95	1.06	1.01	.97	.84	.97	.94	.90	.93	.90	.88	.89	.87	.85	.83
2	.98	.90	.83	.77	.96	.88	.82	.70	.84	.79	.74	.81	.77	.73	.78	.74	.71	.69
3	.90	.79	.71	.64	.87	.77	.70	.60	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4	.82	.70	.61	.54	.80	.68	.60	.51	.66	.59	.53	.64	.57	.52	.61	.56	.52	.49
5	.75	.62	.53	.47	.73	.61	.53	.45	.59	.52	.46	.57	.50	.45	.55	.49	.45	.43
6	.70	.56	.47	.41	.68	.55	.47	.39	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7	.65	.51	.42	.36	.63	.50	.42	.35	.49	.41	.35	.47	.40	.35	.46	.40	.35	.33
8	.60	.46	.38	.32	.59	.46	.38	.31	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9	.56	.43	.34	.29	.55	.42	.34	.28	.41	.34	.29	.40	.33	.28	.39	.33	.28	.26
10	.53	.39	.31	.26	.51	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	% LUMINAIRE
0-30	306	27.1%
0-40	498.8	44.2%
0-60	876.9	77.7%
60-90	251	22.3%
0-90	1127.8	100%

# JUNO SLIMBASICS™ LED SURFACE MOUNT DOWNLIGHT

FOR J-BOX INSTALLATION  
5" & 7" ROUND  
**JSBC SERIES**

## DEDICATED 120V FIXTURES

### Incandescent and Magnetic Low Voltage - Forward Phase Dimming

Dimmable with the use of most forward phase dimmers • Dimming range of 100% down to 10% or lower with a minimum load of one fixture and a maximum load of 50% of the dimmer rated load; both dimming range and maximum rated load may vary depending on dimmer model.

### Juno Qualified Dimmers include:

#### Lutron® Model Numbers:

- Diva® DV Series
- Glyder® GLV Series
- Nova T® NT Series
- Skylark® SLV Series

### Electronic Low Voltage - Reverse Phase Dimming

Dimmable with the use of most electronic low voltage dimmers • Electronic low voltage dimmers require a neutral wire in the wall box  
• Dimming range of 100% down to 10% or lower with a minimum load of one fixture and a maximum load of 75% of the dimmer rated load; both dimming range and maximum rated load may vary depending on dimmer model.

### Juno Qualified Dimmers include:

#### Lutron® Model Numbers: Leviton® Model Numbers: Synergy/Leviton® Model Numbers: Sensor Switch® Model Numbers:

- Diva® DVELV Series
- Nova T® NTELV Series
- Skylark® SELV Series
- Illumatech® IPE04
- Sure Slide 6615-P
- ISD400 ELV 120/IPE04
- nLight® nSP5

Consult technical services for additional information regarding other dimmer model qualification.