



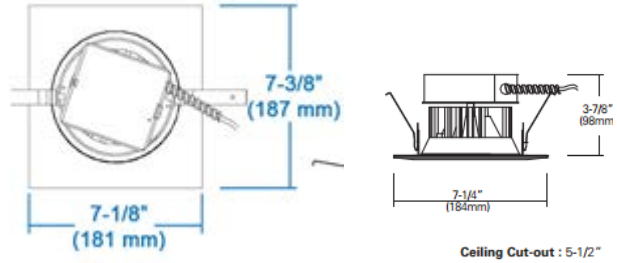
RLH-6012JB-NIC

6" NEW CONSTRUCTION IC WITH INTEGRAL JUNCTION BOX
COMMERCIAL LED RECESSED DOWNLIGHTS

Type	
Project	
Catalog No.	



NEW CONSTRUCTION



DIMENSIONS

DESCRIPTION

JESCO's downlight with integral junction box eliminates the need for a bulky traditional downlight housing. A 6" downlight with the latest LED technology that can be easily installed anywhere power can be supplied – including shallow ceilings. The unique design allows the fixture to be installed in insulated or non-insulated ceilings, wet, damp, or dry environments. Incorporating JESCO's exclusive Driverless AC LED technology and patent pending inrush current protection, the high lumen 12.5 W COB produces a similar light output to that of a 65W PAR 38 or 23W CFL. Our LED downlight operates directly from an AC source eliminating the need for an additional driver. It can be dimmed by most standard incandescent, electronic or magnetic low voltage and CFL/LED dimmers.

Without the need for the traditional LED driver, years of reliable and energy saving service can be expected.

FEATURES

- 795 lm from 12.5W
- CRI of 80+ and 90+
- Available in 2700K, 3500K and 4000K
- JESCO's exclusive *Driverless AC LED* technology, incorporated with our advanced heat sink provides superior thermal management for 50,000 hours of operation with 70% lumen maintenance
- Patent pending inrush current protection
- Unique impact resistant polycarbonate lenses provides uniform light output with lamp-like appearance
- Integrated die-cast aluminum trim and heat sink with junction box
- Dimmable (see compatibility list)
- Junction box is supplied with 1/2" knockouts
- Listed for through branch wiring (max 2 No.12 AWG 90°C conductors).
- Fits up to 1" ceiling depth

SPECIFICATIONS

Model	RLH-6012JB-NIC	
Description	COB 6" LED IC rated new construction with Integral Junction Box	
Input Voltage	120 VAC 50/60Hz	
CCT	2700K / 3500K / 4000K	
CRI	90+	80+
Wattage	12.5W	12.8W
Lumens ■	795 lm	910 lm
Efficacy	64 lm/W	71 lm/W
Beam Angle	97°	96.3°
Dimmable	See compatibility list	
Lamp Life	50,000 hours	
Dimensions	Ceiling Cutout: 5 1/2"	
Environment	Indoor - Wet, Dry, Damp	
Certifications		
Warranty	5 Years – see published warranty terms for detailed information.	

■ Based on 4000K

*Exceeding the operating temperature values may damage the LEDs by reducing the lifespan, lumen output, and adversely impact color consistency. It is recommended adequate airflow and heatsinking be taken into consideration in the installation and application of this product. Improper thermal management may lead to premature product failure and void the warranty



ORDERING INFORMATION - 6" LED DOWNLIGHT WITH INTEGRAL JUNCTION BOX

MODEL	SIZE	WATTAGE	WIRING	HSG STYLE AND RATING	CCT / CRI	TRIM FINISH
RLH	60 60 – 6 inch	12 12.5W (90CRI) 12.8W (80CRI)	JB JB – Integral Junction Box	NIC NIC – New Construction/IC Rated	2790 - 2700K / 90 CRI 3590 - 3500K / 90 CRI 4090 - 4000K / 90 CRI 2780 - 2700K / 80 CRI 3080 - 3000K / 80 CRI 4080 - 4000K / 80 CRI 3090 - 3000K / 90 CRI**	WHWH WHWH – Integral White Baffle / White Trim

**Consult Factory

Example: RLH-6012JB-NIC-2790-WHWH



www.jescolighting.com
support@jescolighting.com
Tech Support: 855.592.0029

15 Harbor Park Drive
Port Washington, NY 11050
Main Line: 800.527.7796
Fax Line: 855.265-5768

219 South 6th Ave
City of Industry, CA 91746
Main Line: 626.333.3661
Fax Line: 626.333.2955

12/6/2017

Specifications subject to change without notice.

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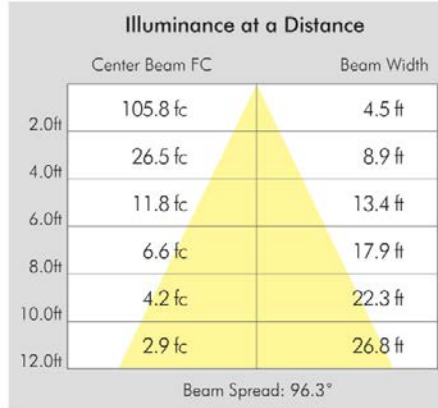
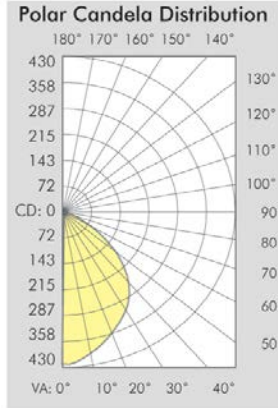


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PHOTOMETRIC INFORMATION

3000K / 80CRI



Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RC %	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	119	119	119	119	116	116	116	100	100	100	100	106	106	106	102	102	102	100
1	111	107	103	100	108	104	101	88	100	98	95	96	94	92	93	91	90	88
2	102	95	89	84	99	93	88	77	90	85	81	86	83	79	83	80	78	76
3	94	85	78	72	92	83	77	67	80	75	70	78	73	69	75	71	68	66
4	87	76	68	62	85	75	67	59	72	66	61	70	65	60	68	63	59	57
5	80	68	60	54	78	67	60	52	65	59	53	63	58	53	62	57	52	50
6	74	62	54	48	73	61	53	46	59	53	47	58	52	47	56	51	47	45
7	69	57	48	43	68	56	48	42	54	47	42	53	47	42	52	46	42	40
8	65	52	44	38	63	51	44	38	50	43	38	49	42	38	48	42	38	36
9	60	48	40	35	59	47	40	34	46	39	35	45	39	34	44	38	34	32
10	57	44	37	32	56	44	36	31	43	36	32	42	36	31	41	35	31	30

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	306.6	34.3%	34.6%
0-40	492.6	55.0%	55.0%
0-60	803.1	89.7%	89.7%
0-90	894.9	100.0%	100.0%

Lumens Per Zone

Zone	Lumens	% Total LU	Zone
0-10	39.3	4.4%	90-100
10-20	108.5	12.1%	100-110
20-30	158.8	17.7%	110-120
30-40	186.0	20.8%	120-130
40-50	181.4	20.3%	130-140
50-60	129.1	14.4%	140-150
60-70	62.7	7.0%	150-160
70-80	23.4	2.6%	160-170
80-90	5.8	0.7%	170-180

COMPATIBLE DIMMERS

MANUFACTURER	STYLE	MODEL NUMBER	TYPE
Lutron	Diva	DVCL-153P	(CFL/LED)
	Diva	DVELV-303P	(Electronic Low Voltage)
	Diva	DVLV-600P	(Magnetic Low Voltage)
	Maestro	MACL-153M	(CFL/LED)
	Maestro	MFR2-6DN-120	(Spec Grade)
	Skylark	SELV-300P	(Electronic Low Voltage)
	Skylark	S-600	(Incandescent)
	Skylark Contour	CTCL-153P	(CFL/LED)
Leviton	Acenti	Ate06-1LW	(Electronic Low Voltage)
	Trimatron	705	(Incandescent)
Cooper	Devine	D106P	(Incandescent/Magnet/Low Voltage)
Pass & Seymour	Harmony		(Incandescent 600W)



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