

# JUNO®

Project: \_\_\_\_\_

Fixture Type: \_\_\_\_\_

Location: \_\_\_\_\_

Contact/Phone: \_\_\_\_\_

## 6" BASICS SERIES™ LED RETROFIT BAFFLE TRIM

DOWNLIGHT RETROFIT FOR 6"  
COMMERCIAL ROUGHT-IN SECTIONS



AIR-LOC

6RLC

### PRODUCT DESCRIPTION

Patent pending energy efficient LED retrofit module fits into 6" non-IC commercial recessed rough-in sections • If installed where insulation is present, the insulation must be pulled back 3" from all sides of the retrofit installation • Replaces 26W CFL lamp, producing 900 lumens typical at 12.4W • Dimmable with most standard incandescent dimmers and electronic low voltage dimmers • LED retrofit module is designed to provide 36,000 hours of life • 5 year warranty.

### PRODUCT SPECIFICATIONS

**LED Downlight Retrofit Trim** Cast aluminum trim with white baffle and flange • All-in-one design where LED light engine is mounted directly to trim • Provided with conduit whip and connector to mount to 1/2" trade size knockout in junction box for ease of installation into existing rough-in sections • Provided with torsion springs.

**LED Light Engine** LEDs are mounted directly to cast aluminum housing providing superior thermal management to ensure long life • 3000K or 3500K LED color temperatures • 80 CRI minimum • Accommodates 120 volts AC at 60Hz • Dimmable with most standard incandescent, magnetic low voltage and electronic low voltage dimmers • For a list of compatible dimmers, see [JUNORETROBASICS-DIM](#).

**Electrical Connections** Trim includes conduit whip and connector to attach directly to 1/2" trade size knockout in junction box • All electrical connectors and hardware provided for easy installation after fluorescent socket and ballast are removed from rough-in sections.

**Trim** Cast aluminum baffle trim with white finish • Diffusing lens conceals the LEDs from direct view and provides uniform aperture luminance.

**Life** Rated for 36,000 hours at 70% lumen maintenance.

**Labels** ENERGY STAR® Certified • UL and cUL classified for use with most standard UL listed 6" non-IC commercial rough-in sections; see below for specific compatibility requirements • Suitable for wet locations (indoor covered ceilings) • Damp location.

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

Specifications subject to change without notice.

### INSTALLATION

The 6RLC LED retrofit baffle trim is provided with a universal mounting bracket allowing for installation in a variety of 6" commercial recessed open frame rough-in sections with a ceiling thickness ranging from 1/2" to 1 1/4". Rough-in section inside diameter compatibility range is from 5 13/16" - 7 1/8".

### COMPATIBLE HOUSINGS INCLUDE, BUT NOT LIMITED TO:

**Juno housings:** CV6, CH6, M6, M6-E, MX6, MX6-E, TC906, TC906H, TC920

**Indy housings:** C6V, C6H, M6, A6, P6

**Halo housings:** PD6 series

**Lightolier housings:** 1100FTUES, 1101F2642U, S6132BU

**Capri housings:** CM6-FV26/32/42

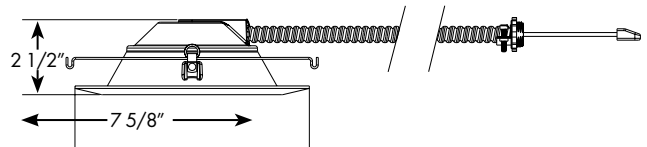
**Lithonia housings:** CCR62, 6VF, 6HF, 6VH, 6VI, LF6, LP6H, LP6F, LP6

### PRODUCT CODES

Catalog Number	
6RLC 091M 30K 80CRI 120 FRPC WWH	6" Juno Basics Commercial Retrofit Downlight, 900 Nominal Lumens, 3000K, 80+ CRI, 120V, Forward/Reverse Phase Cut, White with White Trim Ring
6RLC 091M 35K 80CRI 120 FRPC WWH	6" Juno Basics Commercial Retrofit Downlight, 900 Nominal Lumens, 3500K, 80+ CRI, 120V, Forward/Reverse Phase Cut, White with White Trim Ring



### DIMENSIONS



### PERFORMANCE DATA

	30K	35K
Input Voltage	120V	120V
Input Power	12.4W Typical	12.4W Typical
Frequency	60Hz	60Hz
Minimum starting temp	-30°C (-22°F)	-30°C (-22°F)
Lumens	970 Typical	991 Typical
CRI	80 min.	80 min.
CCT	3000K	3500K

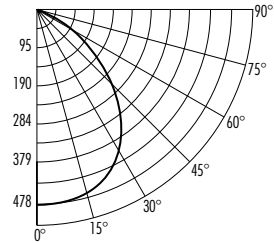
# 6" BASICS SERIES™ LED RETROFIT BAFFLE TRIM

DOWNLIGHT RETROFIT FOR 6"  
COMMERCIAL ROUGH-IN SECTIONS

## 6RLC

**PHOTOMETRIC REPORT**

Test Report#: PT08141204R  
Catalog No: 6RLC 09LM 30K 80CRI 120  
FRPC WWH  
Luminaire Spacing Criteria: 1.20  
Luminaire LPW: 78

**CANDLEPOWER DISTRIBUTION (Candelas)**

Degrees Vertical	0°
0	478
5	475
15	453
25	410
35	347
45	258
55	138
65	45
75	19
85	5
90	0

**AVERAGE INITIAL FOOTCANDLES**

Multiple Units (Square Array, 60'x60' room)

Ceiling 80%, Walls 50%, Floors 20%

Spacing	RCR1	RCR3	RCR5
4'	65	52	42
5'	42	33	27
6'	29	23	19
7'	23	19	15
8'	18	15	12
9'	14	11	9
10'	10	8	7

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixture
0-30°	361	N/A	37.2
0-40°	578	N/A	59.5
0-60°	898	N/A	92.5
0-90°	970	N/A	100.0

**INITIAL FOOTCANDLES**

(One Unit: 12.4W, 93.5° Beam)

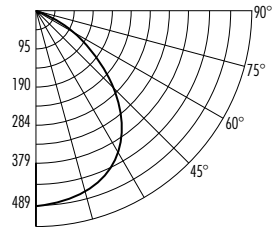
Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4'	29.9	8.5
6'	13.3	12.8
8'	7.5	17.0
10'	4.8	21.3

**LUMINANCE (Average cd/m²)**

Angle in Degrees	Average 0-90°
45°	23566
55°	15573
65°	6932
75°	4739
85°	3518

**PHOTOMETRIC REPORT**

Test Report#: PT08141204R  
Catalog No: 6RLC 09LM 35K 80CRI 120  
FRPC WWH  
Luminaire Spacing Criteria: 1.20  
Luminaire LPW: 80

**CANDLEPOWER DISTRIBUTION (Candelas)**

Degrees Vertical	0°
0	489
5	486
15	463
25	419
35	355
45	263
55	141
65	46
75	19
85	5
90	0

**AVERAGE INITIAL FOOTCANDLES**

Multiple Units (Square Array, 60'x60' room)

Ceiling 80%, Walls 50%, Floors 20%

Spacing	RCR1	RCR3	RCR5
4'	66	53	43
5'	42	34	28
6'	29	24	19
7'	24	19	16
8'	19	15	12
9'	14	12	9
10'	11	9	7

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixture
0-30°	369	N/A	37.2
0-40°	590	N/A	59.5
0-60°	917	N/A	92.5
0-90°	991	N/A	100.0

**INITIAL FOOTCANDLES**

(One Unit: 12.4W, 93.5° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4'	30.6	8.5
6'	13.6	12.8
8'	7.6	17.0
10'	4.9	21.3

**LUMINANCE (Average cd/m²)**

Angle in Degrees	Average 0-90°
45°	24078
55°	15911
65°	7082
75°	4842
85°	3595