

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

4" BASICS SERIES™ LED SURFACE MOUNT FIXTURE

FOR J-BOX OR RECESSED HOUSING
INSTALLATION

4RLS G2 07LM



PRODUCT DESCRIPTION

Sleek, ultra-low profile energy efficient LED surface mount fixture • Installs directly onto industry standard junction boxes and round mudrings • When used with accessory retrofit kit, can be installed into 4" IC or non-IC recessed housings • Replaces traditional 65W incandescent fixture performance, delivering 700 lumens • Dimmable with most standard incandescent dimmers and electronic low voltage dimmer • LED surface mount fixture is designed to provide over 50,000 hours of life • 5 year warranty.

PRODUCT SPECIFICATIONS

Construction Decorative beveled aluminum trim frame with white finish • Diffusing dome lens conceals the LEDs from direct view and provides uniform lens luminance.

LED Light Engine LED board mounted directly to aluminum housing designed to provide superior thermal management and ensure long life • 2700K or 3000K LED color temperature • LED's binned for 3-step MacAdam ellipse color consistency • 90 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 Fixture provided with leads for direct wire connection in j-box • Low profile fixture design is free from external electrical components, so j-box volume and box fill is not compromised • Accessory retrofit kit ships with a medium base socket adapter whip for installation as a retrofit trim into 4" incandescent housings with medium base sockets.

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

Labels ENERGY STAR® Certified • Certified to the high efficacy requirements of California T24 • UL listed for US and Canada • Suitable for damp locations • Suitable for wet locations (indoor covered ceilings) when fixture is sealed to ceiling with field applied caulk (see instruction sheet for details).

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

Specifications subject to change without notice.

INSTALLATION

Junction Box Mounting Installs directly to industry standard junction boxes • Compatible boxes include 3-1/2" and 4" octagon junction boxes (1-1/2" minimum depth), round mud rings with 2-3/4" mounting centers, and 3" & 4" diameter non-metallic boxes • Quick-mount strap and spring securement system provides fast installation of fully assembled fixture to junction box • Suitable for ceiling or wall mount • Suitable for use within closet storage spaces when installed per NEC requirements.

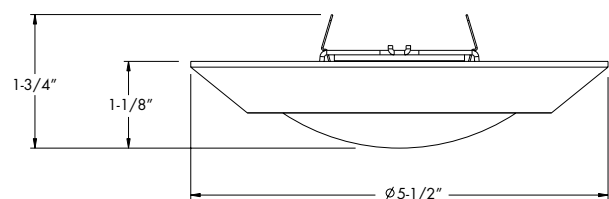
Recessed Housing Mounting (must use 4RLSRETROKIT) The 4RLS fixture is compatible with most 4" recessed housings with an inside diameter between 4" and 4-1/2", and a minimum height of 4".

Compatible 4" Juno housings include:

Juno housings: IC1 and TC1 Series

VuLite housings: V4IC and V4TC Series

DIMENSIONS



ACCESSORY

Catalog Number	Description
4RLSRETROKIT	Allows 4RLS to retrofit in 4" recessed housing. Kit contains: medium base adapter, mounting springs, and electrical connectors.

PERFORMANCE DATA

	27K 90CRI	30K 90CRI
Input Voltage	120V	120V
Input Power Typical	10W	10W
Frequency	60Hz	60Hz
EMI/RFI	FCC Title 47, Part 15 Class B (consumer)	FCC Title 47, Part 15 Class B (consumer)
Minimum starting temp	-40°C (-40°F)	-40°C (-40°F)
CRI	90 min.	90 min.
CCT	2700K	3000K

ACCESSORY

Catalog Number	Description
4RLS G2 07LM 27K 90CRI 120 FRPC WH	4" Juno Basics Surface Mount, 2700K
4RLS G2 07LM 30K 90CRI 120 FRPC WH	4" Juno Basics Surface Mount, 3000K

4" BASICS SERIES™ LED SURFACE MOUNT FIXTURE

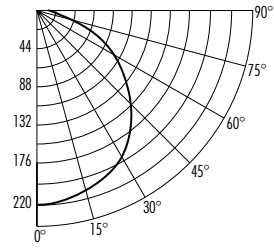
FOR J-BOX OR RECESSED HOUSING INSTALLATION

4RLS G2 07LM

PHOTOMETRICS

PHOTOMETRIC REPORT

Test Report#: PT11153001R
Catalog No: 4RLS G2 07LM 27K 90CRI 120
FRPC WH
Luminaire Spacing Criteria: 1.28
Luminaire LPW: 66



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	220
5	219
15	213
25	199
35	179
45	152
55	122
65	89
75	56
85	29
90	19

AVERAGE INITIAL FOOTCANDLES

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

Ceiling 80%, Walls 50%, Floors 20%

Spacing	RCR1	RCR3	RCR5
4'	44	33	26
5'	28	21	17
6'	20	15	12
7'	16	12	9
8'	13	9	7
9'	10	7	6
10'	7	5	4

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	172	N/A	25.0
0-40°	284	N/A	41.1
0-60°	510	N/A	73.9
0-90°	691	N/A	100.0

INITIAL FOOTCANDLES

(One Unit: 10.4W, 117° Beam)

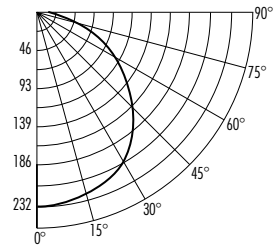
Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4'	13.8	13.1
6'	6.1	19.7
8'	3.4	26.3
10'	2.2	32.8

LUMINANCE (Average cd/m²)

Angle in Degrees	Average 0-90°
45°	27087
55°	26710
65°	26514
75°	27301
85°	42153

PHOTOMETRIC REPORT

Test Report#: PT11153002R
Catalog No: 4RLS G2 07LM 30K 90CRI 120
FRPC WH
Luminaire Spacing Criteria: 1.28
Luminaire LPW: 70



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	232
5	231
15	225
25	210
35	188
45	161
55	128
65	94
75	59
85	30
90	19

AVERAGE INITIAL FOOTCANDLES

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

Ceiling 80%, Walls 50%, Floors 20%

Spacing	RCR1	RCR3	RCR5
4'	46	35	28
5'	30	22	18
6'	21	16	12
7'	17	13	10
8'	13	10	8
9'	10	8	6
10'	7	6	4

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	182	N/A	25.1
0-40°	300	N/A	41.3
0-60°	538	N/A	74.1
0-90°	726	N/A	100.0

INITIAL FOOTCANDLES

(One Unit: 10.4W, 117° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4'	14.5	13.1
6'	6.4	19.6
8'	3.6	26.2
10'	2.3	32.7

LUMINANCE (Average cd/m²)

Angle in Degrees	Average 0-90°
45°	28560
55°	28130
65°	27819
75°	28419
85°	43209