



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

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

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

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

# 6" BASICS SERIES™ LED SURFACE MOUNT FIXTURE

FOR J-BOX OR RECESSED HOUSING  
INSTALLATION**6RLS 07LM**

## PRODUCT DESCRIPTION

Sleek, ultra-low profile energy efficient LED surface mount fixture • Installs directly onto industry standard junction boxes and round mud rings • When used with accessory retrofit kit, can be installed into 5" or 6" IC or non-IC recessed housings • Replaces traditional 65W incandescent fixture performance, delivering 750 lumens • Dimmable with most standard incandescent dimmers and electronic low voltage dimmers • 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 5" or 6" incandescent housings with medium base sockets.

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

**Labels** ENERGY STAR® Certified • 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 56RLSRETROKIT)** The 6RLS fixture is compatible with most 5" or 6" recessed housings with an inside diameter between 5" and 7", and a minimum height of 4".

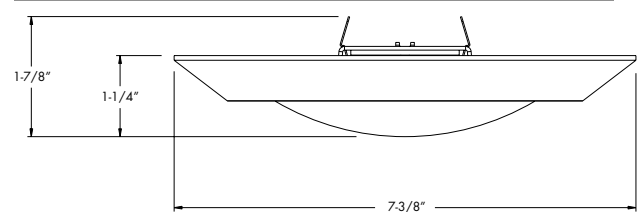
**Compatible 5" and 6" Juno housings include:**

**Juno housings:** IC20, IC25, IC2, IC21, IC22, IC23, TC20 and TC2 Series

**VuLite housings:** V5IC, V6IC, V5TC and V6TC Series



## DIMENSIONS



## ACCESSORY

Catalog Number	Description
<b>56RLSRETROKIT</b>	Allows 6RLS to retrofit in 5" or 6" recessed housings. 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

## ORDERING INFORMATION

Ordering Example: 6RLS 07LM 27K 90CRI 120 FRPC WH

Series	Lumens	Color Temperature	Color Rendering Index
<b>6RLS</b> 6" Juno Basics Surface Mount	<b>07LM</b> 700 Nominal Lumens	<b>27K</b> 2700K <b>30K</b> 3000K	<b>90CRI</b> 90+ CRI

Voltage	Driver	Finish
<b>120</b> 120V	<b>FRPC</b> Forward/Reverse Phase Cut	<b>WH</b> White

# 6" BASICS SERIES™ LED SURFACE MOUNT FIXTURE

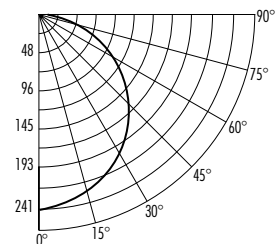
FOR J-BOX OR RECESSED HOUSING INSTALLATION

## 6RLS 07LM

### PHOTOMETRICS

#### PHOTOMETRIC REPORT

Test Report#: PT11153003R  
Catalog No: 6RLS 07LM 27K 90CRI 120  
FRPC WH  
Luminaire Spacing Criteria: 1.28  
Luminaire LPW: 71



#### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	241
5	240
15	233
25	217
35	195
45	166
55	132
65	95
75	57
85	27
90	16

#### AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)  
Ceiling 80%, Walls 50%, Floors 20%

Spacing	RCR1	RCR3	RCR5
4'	47	36	28
5'	30	23	18
6'	21	16	13
7'	17	13	10
8'	13	10	8
9'	10	8	6
10'	8	6	5

#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	189	N/A	25.5
0-40°	311	N/A	41.9
0-60°	556	N/A	75.1
0-90°	741	N/A	100.0

#### INITIAL FOOTCANDLES

(One Unit: 10.4W, 116° Beam)

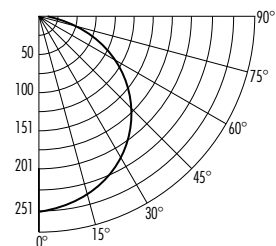
Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4'	15.1	12.9
6'	6.7	19.3
8'	3.8	25.7
10'	2.4	32.1

#### LUMINANCE (Average cd/m²)

Angle in Degrees	Average 0-90°
45°	15174
55°	14878
65°	14508
75°	14312
85°	20030

#### PHOTOMETRIC REPORT

Test Report#: PT12150701R  
Catalog No: 6RLS 07LM 30K 90CRI 120  
FRPC WH  
Luminaire Spacing Criteria: 1.28  
Luminaire LPW: 74



#### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	251
5	250
15	243
25	227
35	203
45	173
55	137
65	99
75	60
85	28
90	17

#### AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)  
Ceiling 80%, Walls 50%, Floors 20%

Spacing	RCR1	RCR3	RCR5
4'	49	37	29
5'	31	24	19
6'	22	17	13
7'	18	13	11
8'	14	11	8
9'	11	8	6
10'	8	6	5

#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	197	N/A	25.5
0-40°	324	N/A	41.9
0-60°	580	N/A	75.1
0-90°	772	N/A	100.0

#### INITIAL FOOTCANDLES

(One Unit: 10.4W, 116° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4'	15.7	12.8
6'	7.0	19.2
8'	3.9	25.7
10'	2.5	32.1

#### LUMINANCE (Average cd/m²)

Angle in Degrees	Average 0-90°
45°	15806
55°	15494
65°	15121
75°	14945
85°	20928