



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

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

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

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

# 6" BASICS SERIES™ LED SURFACE MOUNT FIXTURE

FOR J-BOX OR RECESSED HOUSING  
INSTALLATION

## 6RLS 750 LUMEN

### 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® Qualified  
 • 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.

Product 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 56RLS-RETROKIT)

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".

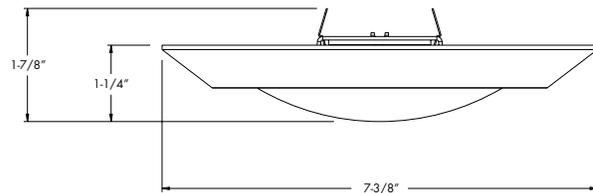
#### Compatible 5" and 6" Juno housings include:

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

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



### DIMENSIONS



### PRODUCT CODES

Catalog Number	Description
6RLS-927-6-WH	6" LED surface mount fixture, 2700K
6RLS-930-6-WH	6" LED surface mount fixture, 3000K

### ACCESSORY

Catalog Number	Description
56RLS-RETROKIT	Allows 6RLS to retrofit in 5" or 6" recessed housings. Kit contains: medium base adapter mounting springs, and electrical connectors.

### PERFORMANCE DATA

	927	930
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

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FOR J-BOX OR RECESSED HOUSING INSTALLATION

## 6RLS 750 LUMEN

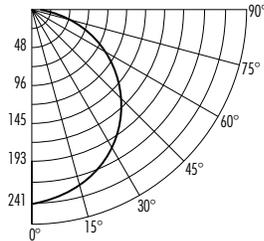
**PHOTOMETRIC REPORT**

Test Report#: PT11153003R

Catalog No: 6RLS-927-6-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/m<sup>2</sup>)**

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

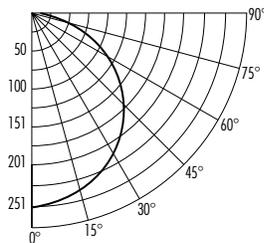
**PHOTOMETRIC REPORT**

Test Report#: PT12150701R

Catalog No: 6RLS-930-6-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/m<sup>2</sup>)**

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