

6" BASICS SERIES™ LED SURFACE MOUNT FIXTURE

FOR J-BOX OR RECESSED HOUSING
INSTALLATION

6RLS 10LM

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____



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 75W incandescent fixture performance, delivering over 1000 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".

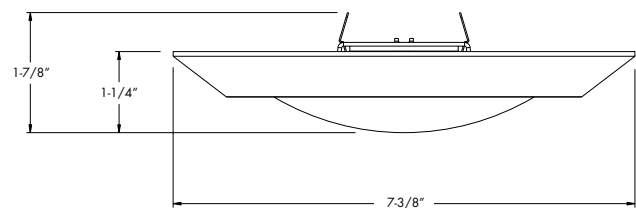
Compatible 5" and 6" Juno housings include:

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
56RLSRETROKIT	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	14.5W	14.5W
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 10LM 27K 90CRI 120 FRPC WH

Series	Lumens	Color Temperature	Color Rendering Index
6RLS 6" Juno Basics Surface Mount	10LM 1000 Nominal Lumens	27K 2700K 30K 3000K	90CRI 90+ CRI

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

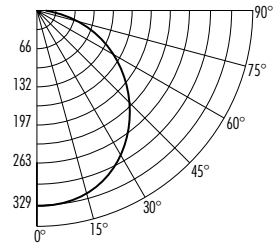
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FOR J-BOX OR RECESSED HOUSING INSTALLATION
6RLS 10LM

PHOTOMETRICS

PHOTOMETRIC REPORT

Test Report#: PT10151303R
Catalog No: 6RLS 10LM 27K 90CRI 120
FRPC WH
Luminaire Spacing Criteria: 1.28
Luminaire LPW: 66



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	329
5	328
15	318
25	296
35	265
45	225
55	179
65	128
75	76
85	35
90	19

AVERAGE INITIAL FOOTCANDLES

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

Spacing	RCR1	RCR3	RCR5
4'	64	49	38
5'	41	31	24
6'	28	22	17
7'	23	18	14
8'	18	14	11
9'	14	11	8
10'	10	8	6

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	257	N/A	25.6
0-40°	423	N/A	42.2
0-60°	757	N/A	75.5
0-90°	1003	N/A	100.0

INITIAL FOOTCANDLES

(One Unit: 15.1W, 116° Beam)

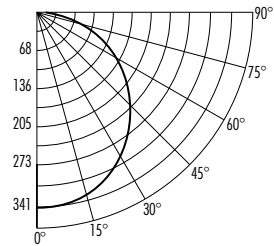
Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4'	20.6	12.7
6'	9.1	19.1
8'	5.1	25.5
10'	3.3	31.8

LUMINANCE (Average cd/m²)

Angle in Degrees	Average 0-90°
45°	27288
55°	26704
65°	25907
75°	25269
85°	34032

PHOTOMETRIC REPORT

Test Report#: PT11153005R
Catalog No: 6RLS 10LM 30K 90CRI 120
FRPC WH
Luminaire Spacing Criteria: 1.28
Luminaire LPW: 70



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	341
5	340
15	330
25	308
35	276
45	235
55	187
65	135
75	81
85	38
90	22

AVERAGE INITIAL FOOTCANDLES

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

Spacing	RCR1	RCR3	RCR5
4'	67	51	40
5'	43	32	26
6'	30	22	18
7'	24	18	14
8'	19	14	11
9'	15	11	9
10'	11	8	6

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	267	N/A	25.5
0-40°	440	N/A	41.9
0-60°	789	N/A	75.1
0-90°	1050	N/A	100.0

INITIAL FOOTCANDLES

(One Unit: 15.1W, 116° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4'	21.3	12.9
6'	9.5	19.3
8'	5.3	25.8
10'	3.4	32.2

LUMINANCE (Average cd/m²)

Angle in Degrees	Average 0-90°
45°	21509
55°	21111
65°	20604
75°	20314
85°	28194