

Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

INTENDED USE — The adjustable LED Gimbal downlighting module is 80% more efficient than incandescent luminaires, performing for 35,000 hours or more with exceptional energy efficiency and near zero maintenance. Multiple trim finish options are available to pick the style that matches the décor for any office or home. The LED Gimbal is intended for sloped ceiling applications, grazing textured surfaces, wall washing, and highlighting artwork or other architectural features. Retrofits into most existing recessed downlighting installations or new construction and remodel applications.

CONSTRUCTION — Spun steel gimbal reflectors with 180° of rotation and at least 35° of adjustable tilt in both directions. Driver affixed to a static yoke to allow maximization of LED light engine rotation and pivot movements.

OPTICS — Diffused lens at end of mixing chamber to provide even light distribution for general illumination, equivalent to 65W incandescent flood lamp.

Wide flood beam angle at >90°. CRI >90. Equivalent to 65-watt incandescent. The LED module maintains at least 70% light output for 35,000 hours.

ELECTRICAL — Primary power disconnect provided for simple connection to a dedicated LED connector in the housing. Dimming down to 15%. For compatible dimmers, refer to [Compatible Dimmers Chart](#).

INSTALLATION — Suitable for installation in standard height rough-in sections. E26 socket adaptor and splice kit ships standard. This enables easy installation or permanent conversion to an LED source for Title 24 compliance. Trim retention is achieved by utilizing two side-mounted torsion springs to ensure a consistently tight fit with the ceiling and easy installation.

LISTINGS — CSA certified to US and Canadian safety standards. ENERGY STAR® certified; California T24 compliant. Damp location listed.

WARRANTY — 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

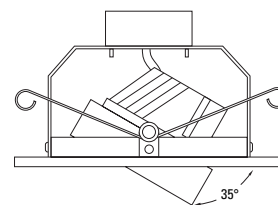
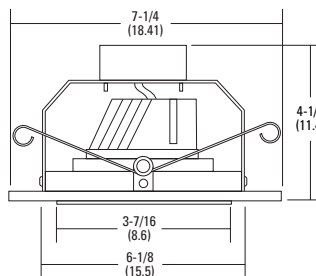
6G1

IC/Non-IC
Retrofit Gimbal



Specifications	
Aperture:	3-7/16 (8.6)
Ceiling opening:	as rough-in
Length:	6-1/8 (15.5)
Height:	4-1/2 (11.4)
Overlap trim:	7-1/4 (18.41)

All dimensions are in inches (centimeters) unless otherwise indicated.



ORDERING INFORMATION

For shortest lead times, configure product using **bolded options**.

Example: 6G1MW LED 40K 90CRI L7XLED T24

6G1		LED			
Series/Finish		Lamp	CCT/CRI/W/Lumens ²	Voltage	Options
Series	Finish	LED	(blank)	(blank)	L7XLED T24
6G1	6" Gimbal module	MW	Matte white ¹	120V	IC/Non-IC rated, new construction rough-in LED base
		MB	Matte black		L7XRLED T24
		BN	Brush nickel		IC/Non-IC rated, remodel rough-in LED base
		ORB	Oil-rubbed bronze ¹		LC6LED T24
					IC/Non-IC rated, new construction rough-in LED base
					L7X
					IC/Non-IC rated, new construction rough-in ³
					L7XR
					IC/Non-IC rated, remodel rough-in ³
					LC6
					IC/Non-IC rated, new construction rough-in ³

Accessories: Order as separate catalog number.

TSA6	Makes non-bracket housings compatible with LED module
FL2LED	Makes L7XF housings compatible with LED module



Notes

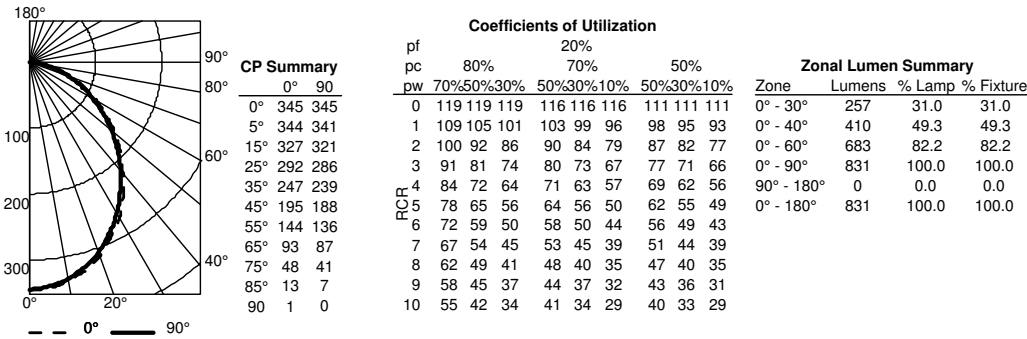
- Available in 90CRI only.
- Total system delivered lumens.
- Must be ordered on separate line.

6G1 6" LED Gimbal Module

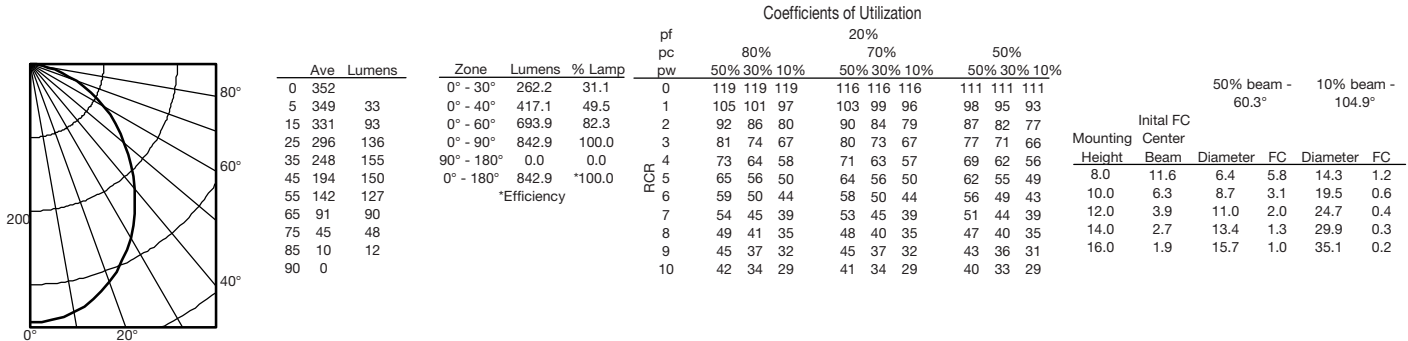
PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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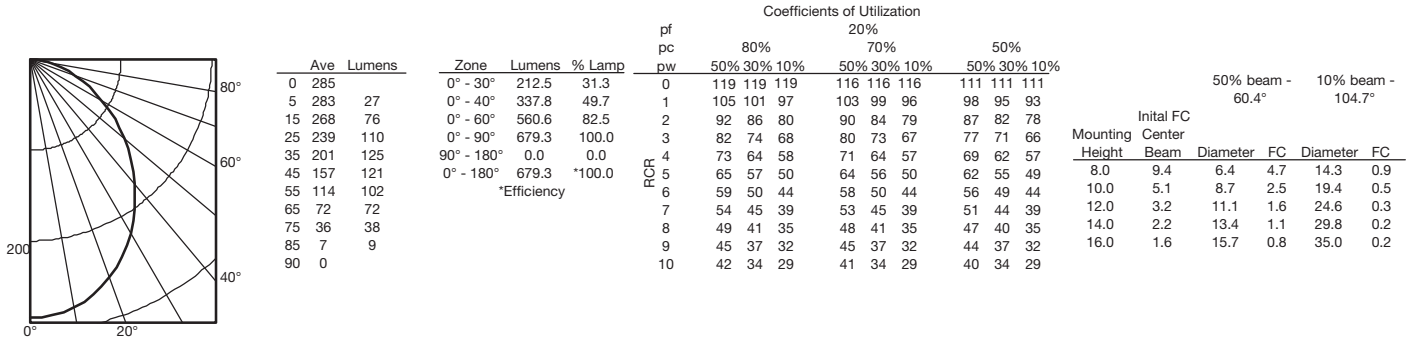
6G1MW LED 40K 90CRI, 4000 K LEDs, input watts: 10.5, delivered lumens: 831, LM/W = 79 test no. LTL28362, tested in accordance with IESNA LM 79-80.



6G1MW LED 30K 90CRI, 3000 K LEDs, input watts: 10.3, delivered lumens: 842, LM/W = 87, test no. LTL28363, tested in accordance with IESNA LM 79-80.



6G1MW LED 27K 90CRI, 27000 K LEDs, input watts: 11, delivered lumens: 678, LM/W = 62, test no. LTL28364, tested in accordance with IESNA LM 79-80.



ENERGY DATA - 6G1			
Lumens	680	790	820
watts	11	10.32	10.54
LPW	61.2	76.6	77.8
CRI	91	91	94
Color Temp	2700	3000	4000
Minimum Starting Temp	0°F (-18°C)	0°F (-18°C)	0°F (-18°C)
EMI/RFI	FCC Title 47 CFR, Part 15, Class A	FCC Title 47 CFR, Part 15, Class A	FCC Title 47 CFR, Part 15, Class A
Min. Power Factor	0.80	0.80	0.80
Input current	0.09A	0.09A	0.09A

6G1 6" LED Gimbal Module

LED

lighting facts®

A Program of the U.S. DOE

Light Output (Lumens)

Watts

Lumens per Watt (Efficacy)

680

11

61.82

Color Accuracy

Color Rendering Index (CRI)

91

Light Color

Correlated Color Temperature (CCT)

2700 (Warm White)

2700K

3000K

4500K

6500K

Warm White

Bright White

Daylight

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: JB22-BHP4GT (7/15/2015)

Model Number: 6G1XX LED 27K

Type: Luminaire - Downlight

LED

lighting facts®

A Program of the U.S. DOE

Light Output (Lumens)

Watts

Lumens per Watt (Efficacy)

790

10.32

76.55

Color Accuracy

Color Rendering Index (CRI)

91

Light Color

Correlated Color Temperature (CCT)

3000 (Bright White)

2700K

3000K

4500K

6500K

Warm White

Bright White

Daylight

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Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: JB22-L56YKU (7/15/2015)

Model Number: 6G1XX LED 30K

Type: Luminaire - Downlight

LED

lighting facts®

A Program of the U.S. DOE

Light Output (Lumens)

Watts

Lumens per Watt (Efficacy)

820

10.54

77.8

Color Accuracy

Color Rendering Index (CRI)

94

Light Color

Correlated Color Temperature (CCT)

4000 (Bright White)

2700K

3000K

4500K

6500K

Warm White

Bright White

Daylight

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: JB22-1LIA54 (7/15/2015)

Model Number: 6G1XX LED 40K

Type: Luminaire - Downlight

LED

lighting facts®

A Program of the U.S. DOE

Light Output (Lumens)

Watts

Lumens per Watt (Efficacy)

620

10.8

57

Color Accuracy

Color Rendering Index (CRI)

83

Light Color

Correlated Color Temperature (CCT)

3000 (Bright White)

2700K

3000K

4500K

6500K

Warm White

Bright White

Daylight

Warranty**

Yes

All results, except LED Lumen Maintenance, are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

** See www.lightingfacts.com/products for details.

Registration Number: JB22-VTHFPZ (8/7/2013)

Model Number: 6G1 [Updated 7-29-13]

Type: Recessed downlight

Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

INTENDED USE — The adjustable LED Gimbal downlighting module is 80% more efficient than incandescent luminaires, performing for 35,000 hours or more with exceptional energy efficiency and near zero maintenance. Multiple trim finish options are available to pick the style that matches the décor for any office or home. The LED Gimbal is intended for sloped ceiling applications, grazing textured surfaces, wall washing, and highlighting artwork or other architectural features. Retrofits into most existing recessed downlighting installations or new construction and remodel applications.

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OPTICS — Diffused lens at end of mixing chamber to provide even light distribution for general illumination, equivalent to 65W incandescent flood lamp.

Wide flood beam angle at >90°. CRI >90. Equivalent to 65-watt incandescent. The LED module maintains at least 70% light output for 35,000 hours.

ELECTRICAL — Primary power disconnect provided for simple connection to a dedicated LED connector in the housing. Dimming down to 15%. For compatible dimmers, refer to [Compatible Dimmers Chart](#).

INSTALLATION — Suitable for installation in standard height rough-in sections. E26 socket adaptor and splice kit ships standard. This enables easy installation or permanent conversion to an LED source for Title 24 compliance. Trim retention is achieved by utilizing two side-mounted torsion springs to ensure a consistently tight fit with the ceiling and easy installation.

LISTINGS — CSA certified to US and Canadian safety standards. ENERGY STAR® certified; California T24 compliant. Damp location listed.

WARRANTY — 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

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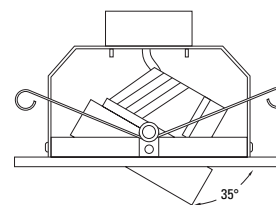
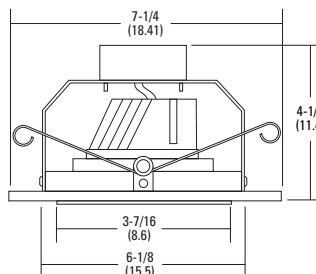
6G1

IC/Non-IC
Retrofit Gimbal



Specifications	
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Ceiling opening:	as rough-in
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Overlap trim:	7-1/4 (18.41)

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ORDERING INFORMATION

For shortest lead times, configure product using **bolded options**.

Example: 6G1MW LED 40K 90CRI L7XLED T24

6G1		LED			
Series/Finish		Lamp	CCT/CRI/W/Lumens ²	Voltage	Options
Series	Finish	LED	(blank)	(blank) 120V	L7XLED T24 IC/Non-IC rated, new construction rough-in LED base
6G1	6" Gimbal module	MW Matte white ¹	27K 90CRI 2700K/91CRI/11W/680L		L7XRLED T24 IC/Non-IC rated, remodel rough-in LED base
		MB Matte black	30K 90CRI 3000K/91CRI/10.3W/790L		LC6LED T24 IC/Non-IC rated, new construction rough-in LED base
		BN Brush nickel	40K 90CRI 4000K/94CRI/10.5W/820L		L7X IC/Non-IC rated, new construction rough-in ³
		ORB Oil-rubbed bronze ¹			L7XR IC/Non-IC rated, remodel rough-in ³
					LC6 IC/Non-IC rated, new construction rough-in ³

Accessories: Order as separate catalog number.	
TSA6	Makes non-bracket housings compatible with LED module
FL2LED	Makes L7XF housings compatible with LED module



Notes

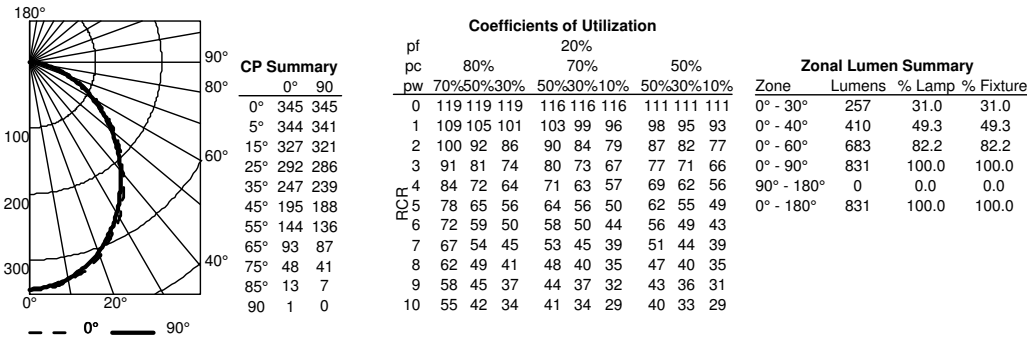
- Available in 90CRI only.
- Total system delivered lumens.
- Must be ordered on separate line.

6G1 6" LED Gimbal Module

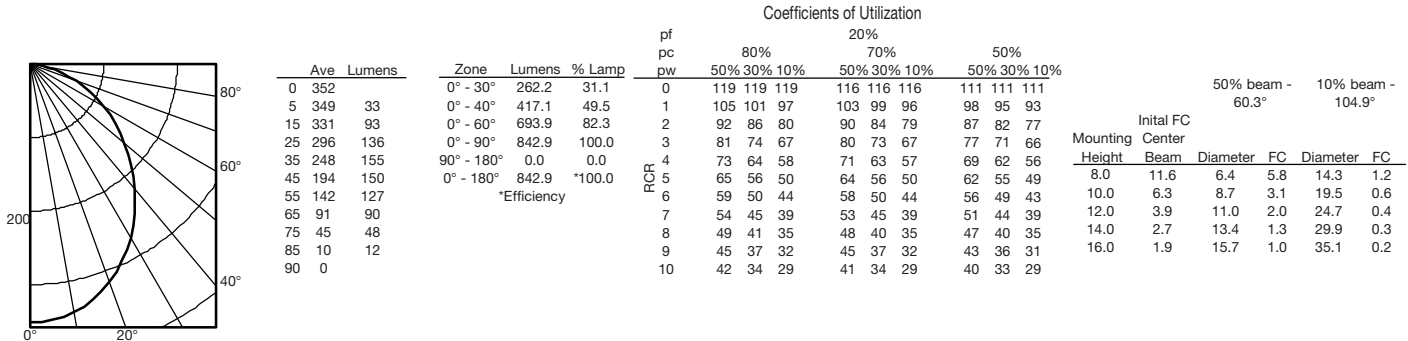
PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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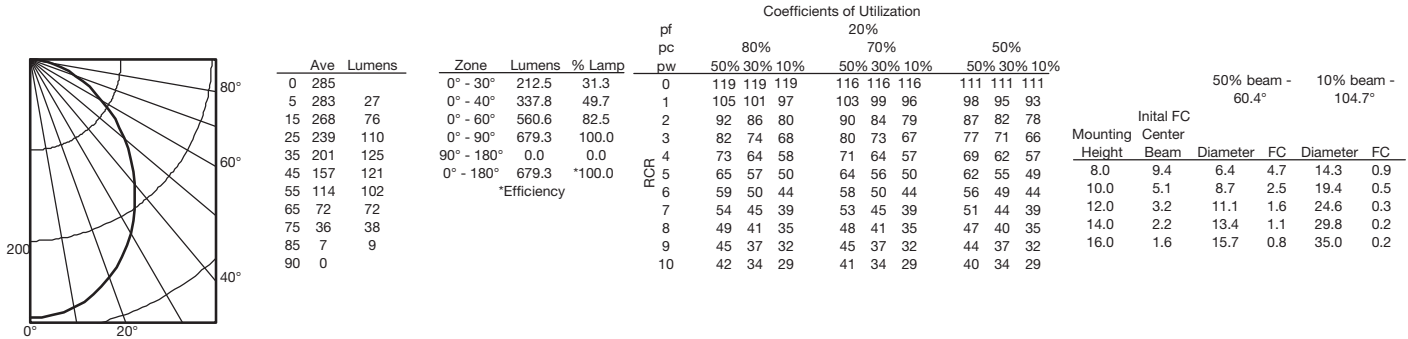
6G1MW LED 40K 90CRI, 4000 K LEDs, input watts: 10.5, delivered lumens: 831, LM/W = 79 test no. LTL28362, tested in accordance with IESNA LM 79-80.



6G1MW LED 30K 90CRI, 3000 K LEDs, input watts: 10.3, delivered lumens: 842, LM/W = 87, test no. LTL28363, tested in accordance with IESNA LM 79-80.



6G1MW LED 27K 90CRI, 27000 K LEDs, input watts: 11, delivered lumens: 678, LM/W = 62, test no. LTL28364, tested in accordance with IESNA LM 79-80.



ENERGY DATA - 6G1			
Lumens	680	790	820
watts	11	10.32	10.54
LPW	61.2	76.6	77.8
CRI	91	91	94
Color Temp	2700	3000	4000
Minimum Starting Temp	0°F (-18°C)	0°F (-18°C)	0°F (-18°C)
EMI/RFI	FCC Title 47 CFR, Part 15, Class A	FCC Title 47 CFR, Part 15, Class A	FCC Title 47 CFR, Part 15, Class A
Min. Power Factor	0.80	0.80	0.80
Input current	0.09A	0.09A	0.09A

6G1 6" LED Gimbal Module

LED

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Light Output (Lumens)

Watts

Lumens per Watt (Efficacy)

680

11

61.82

Color Accuracy

Color Rendering Index (CRI)

91

Light Color

Correlated Color Temperature (CCT)

2700 (Warm White)

2700K

3000K

4500K

6500K

Warm White

Bright White

Daylight

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: JB22-BHP4GT (7/15/2015)

Model Number: 6G1XX LED 27K

Type: Luminaire - Downlight

LED

lighting facts®
A Program of the U.S. DOE

Light Output (Lumens)

Watts

Lumens per Watt (Efficacy)

790

10.32

76.55

Color Accuracy

Color Rendering Index (CRI)

91

Light Color

Correlated Color Temperature (CCT)

3000 (Bright White)

2700K

3000K

4500K

6500K

Warm White

Bright White

Daylight

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Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: JB22-L56YKU (7/15/2015)

Model Number: 6G1XX LED 30K

Type: Luminaire - Downlight

LED

lighting facts®
A Program of the U.S. DOE

Light Output (Lumens)

Watts

Lumens per Watt (Efficacy)

820

10.54

77.8

Color Accuracy

Color Rendering Index (CRI)

94

Light Color

Correlated Color Temperature (CCT)

4000 (Bright White)

2700K

3000K

4500K

6500K

Warm White

Bright White

Daylight

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Registration Number: JB22-1LIA54 (7/15/2015)

Model Number: 6G1XX LED 40K

Type: Luminaire - Downlight

LED

lighting facts®
A Program of the U.S. DOE

Light Output (Lumens)

Watts

Lumens per Watt (Efficacy)

620

10.8

57

Color Accuracy

Color Rendering Index (CRI)

83

Light Color

Correlated Color Temperature (CCT)

3000 (Bright White)

2700K

3000K

4500K

6500K

Warm White

Bright White

Daylight

Warranty**

Yes

All results, except LED Lumen Maintenance, are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

** See www.lightingfacts.com/products for details.

Registration Number: JB22-VTHFPZ (8/7/2013)

Model Number: 6G1 [Updated 7-29-13]

Type: Recessed downlight