

BKSSL
SOLID STATE LIGHTING

the power of
dimming



GOLD STAR™

PROJECT:

TYPE:

CATALOG
NUMBER:

SOURCE:

NOTES:

CATALOG NUMBER LOGIC

Example: **B** - **GD** - **LED** - **e23** - **A5** - **NSP** - **MAC** - **13** -

Material **B** - Aluminum
B - Brass
S - Stainless Steel

Series **GD** - Gold Star™

Source **LED** - 'e' Technology with Integral Dimming Driver (25W min. load when dimmed)
Designed for use with remote 12VAC BKSSL® transformers. Requires magnetic Low Voltage dimmer.

LED Type **e36** - 8WLED/2.7K **e23** - 8WLED/4K
e22 - 8WLED/3K **e27** - 8WLED/Amber

Optics* **NSP** - Narrow Spot (Red Indicator) **MFL** - Medium Flood (Yellow Indicator)
SP - Spot (Green Indicator) **WFL** - Wide Flood (Blue Indicator)

Adjust-e-Lume® Output Intensity** (Choose factory setting) **A9** (Standard), **A8, A7, A6, A5, A4, A3, A2, A1**
**Please see Adjust-e-Lume® photometry to determine desired intensity.

Finish

Aluminum Finish

Powder Coat Color	Satin	Wrinkle
Bronze	BZP	BZW
Black	BLP	BLW
White (Gloss)	WHP	WHW
Aluminum	SAP	—
Verde	—	VER

Brass Finish

Machined	MAC
Polished	POL
Mitique™	MIT

Stainless Finish

Machined	MAC
Polished	POL
Brushed	BRU <small>Interior use only.</small>

Premium Finish

ABP Antique Brass Powder	CMG Cascade Mountain Granite	RMG Rocky Mountain Granite
AMG Aleutian Mountain Granite	CRI Cracked Ice	SDS Sonoran Desert Sandstone
AQW Antique White	CRM Cream	SMG Sierra Mountain Granite
BCM Black Chrome	HUG Hunter Green	TXF Textured Forest
BGE Beige	MDS Mojave Desert Sandstone	WCP Weathered Copper
BPP Brown Patina Powder	NBP Natural Brass Powder	WIR Weathered Iron
CAP Clear Anodized Powder	OCP Old Copper	Also available in RAL Finishes See submittal SUB-1439-00

Lens Type

12 - Soft Focus Lens

13 - Rectilinear Lens

Shielding

11 - Honeycomb Baffle

DRIVER DATA

Input Volts

12VAC/DC 50/60Hz

InRush Current

<1A (non-dimmed)

Dimmable

Magnetic Low Voltage Dimmer

Operation Ambient Temperature

-10°F-130°F

LM79 DATA

BK No.	CCT (Typ.)	Input Watts (Typ.)	CRI (Typ.)
e36	2700K	8.4	90
e22	3100K	8.4	90
e23	4100K	8.4	75
e27	Amber (590nm)	7.9	~

L70 DATA

Minimum Rated Life (hrs.) 70% of initial lumens (L70)
50,000
50,000
50,000
50,000

*OPTICAL DATA

Beam Type	Angle	Visual Indicator
Narrow Spot	14°	Red Dot
Spot	18°	Green Dot
Medium Flood	25°	Yellow Dot
Wide Flood	36°	Blue Dot

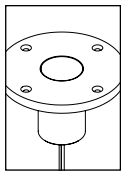
B-K LIGHTING

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559.438.5800 • FAX 559.438.5900
www.bklighting.com • info@bklighting.com

RELEASED
07-10-15

DRAWING NUMBER
SUB001032

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BKSSL
SOLID STATE LIGHTING

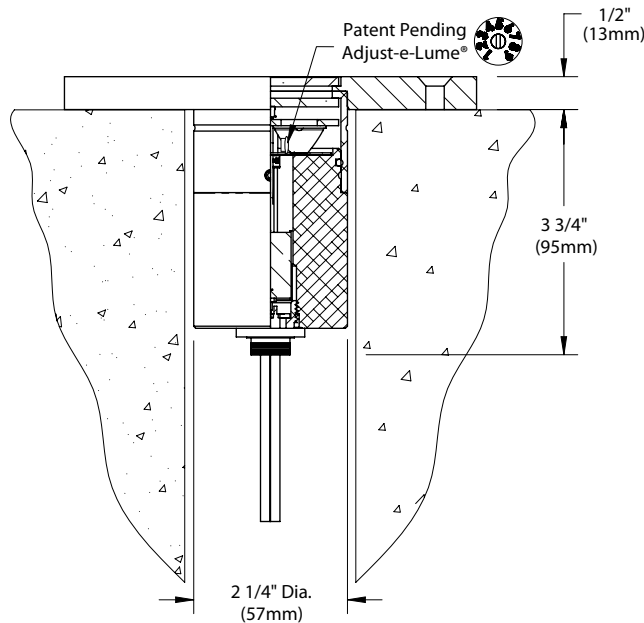
the power of
dimming. with **adjust-e-lume**
TECHNOLOGY

GOLD STAR™

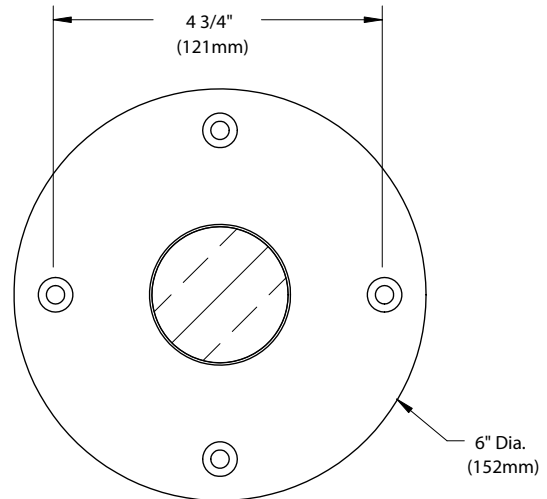
PROJECT:

TYPE:

SIDE VIEW

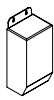


FACEPLATE DETAIL



Accessories (Configure separately)

Remote options:



TR Series



LIDMRM™

All dimensions indicated on this submittal are nominal.
Contact Technical Sales if you require more stringent specifications.

SPECIFICATIONS

GreenSource Initiative™

Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced on site. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chlorofluorocarbons (CFC's). Use of this product may qualify for GreenSource efficacy and recycling rebate(s). Consult www.bklighting.com/greensource for program requirements.

Materials

Furnished in Copper-Free Aluminum (Type 6061-T6), Brass (Type 360) or Stainless Steel (Type 304).

Core Drill

Allows for mounting into existing structures that will not easily accept a standard box. 2-1/2" dia. hole required for slip fit.

Body

Fully machined from solid billet. Unibody design provides enclosed, water-proof wireway and integral heat sink for maximum component life. High temperature, silicone 'O' Ring provides water-tight seal. Provided with hard-coat (Type III) black anodize finish for maximum corrosion resistance. Weather-tight cable connector with 5'0," 18Ga., 2 wire low voltage cable.

Faceplate

Fully machined from solid billet. Countersunk holes provide for flush hardware mounting (by others). Accommodates [1] lens or louver media.

Lens

Flush mount, shock resistant, tempered, glass lens is factory adhered to faceplate and provides hermetically sealed optical compartment. Specify soft focus (#12) or rectilinear (#13) lens.

BKSSL®

Integrated solid state system with 'e' technology is scalable for field upgrade. Modular design with electrical quick disconnects permit field maintenance. High power, forward throw source complies with ANSI C78.377 binning requirements. Exceeds ENERGY STAR® lumen maintenance requirements. LM-80 certified components.

Integral, constant current driver. 12VAC/VDC input. 50/60Hz. Proprietary input control scheme achieves power factor correction and eliminates inrush current. Output, over-voltage, open-circuit, and short circuit protected. Inrush current limited to <1A (non-dimming). Conforms to Safety Std. C22.2 No. 250.13-12.

Line dimmable. For use with low voltage dimmer with dedicated neutral conductor. Minimum 25 watt load required for dimming.

Optics

Interchangeable OPTIKIT™ modules permit field changes to optical distribution. Color-coded for easy reference: Narrow Spot (NSP) = Red. Spot (SP) = Green. Medium Flood (MFL) = Yellow. Wide Flood (WFL) = Blue.

Adjust-e-Lume® (Pat. Pending)

Integral electronics allows dynamic lumen response at the individual fixture. Indexed (100% to 25% nom.) lumen output. Maintains output at desired level or may be changed as conditions require. Specify factory preset output intensity.

Remote Transformer

For use with 12VAC **BKSSL** remote transformer or magnetic transformers only. B-K Lighting cannot guarantee performance with third party manufacturers' transformers.

Wiring

Teflon® coated, 18AWG, 600V, 250° C rated and certified to UL 1659 standard. Anti-Siphon Valve (ASV™) prevents "wicking" through conductor insulation.

Hardware

Tamper-resistant, stainless steel hardware. Mounting hardware by others.

Finish

StarGuard®, our exclusive RoHs compliant, 15 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating. Brass components are available in powder coat or handcrafted metal finish. Stainless steel components are available in handcrafted metal finish. (Brushed finish for interior use only).

Warranty

5 year limited warranty.

Certification and Listing

ITL tested to IESNA LM-79. Lighting Facts Registration per USDOE (www.lightingfacts.com). ETL Listed to ANSI/UL Standard 1838 and UL Standard 8750 and Certified to CAN/CSA C22.2 No. 9, CSA TIL B-58B. RoHs compliant. Suitable for indoor or outdoor use. Suitable for installation in combustible materials (Type Non-IC). Suitable for use in wet locations. Suitable for installation within 4' of the ground. IP65 Rated. Made in USA.



*Teflon is a registered trademark of DuPont Corporation.

*Energy Star is a registered trademark of the United States Environmental Protection Agency.





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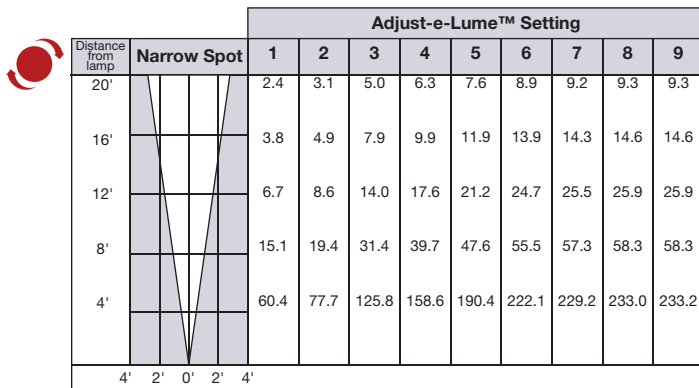
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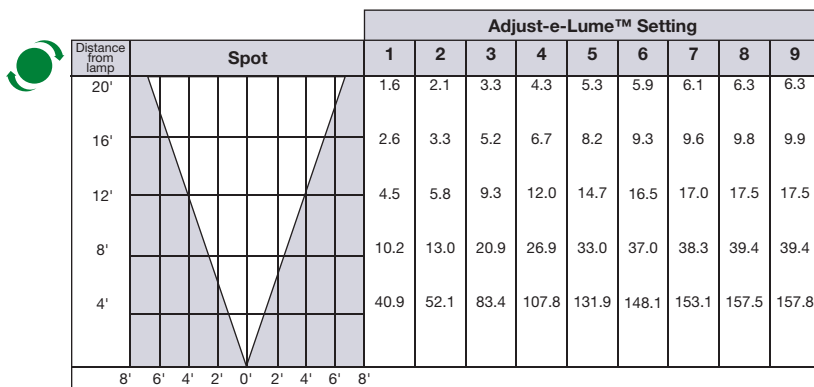
Select OptiKit™ for desired distribution

- RED  **Narrow Spot (NSP)**
- GREEN  **Spot (SP)**
- YELLOW  **Medium Flood (MFL)**
- BLUE  **Wide Flood (WFL)**

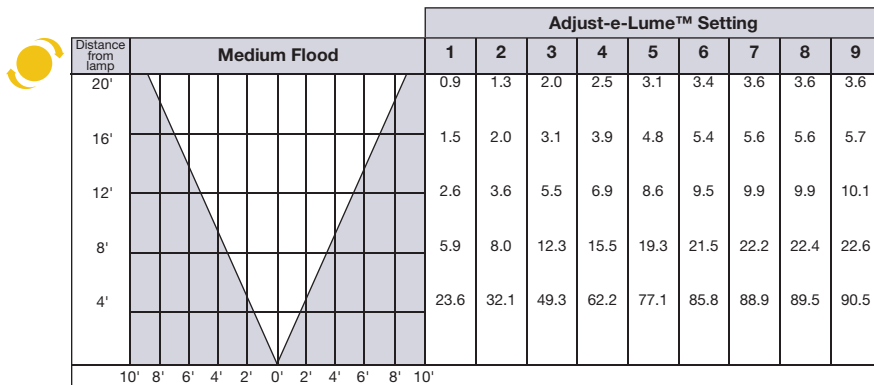
Set adjust-e-lume™ Dial to desired output



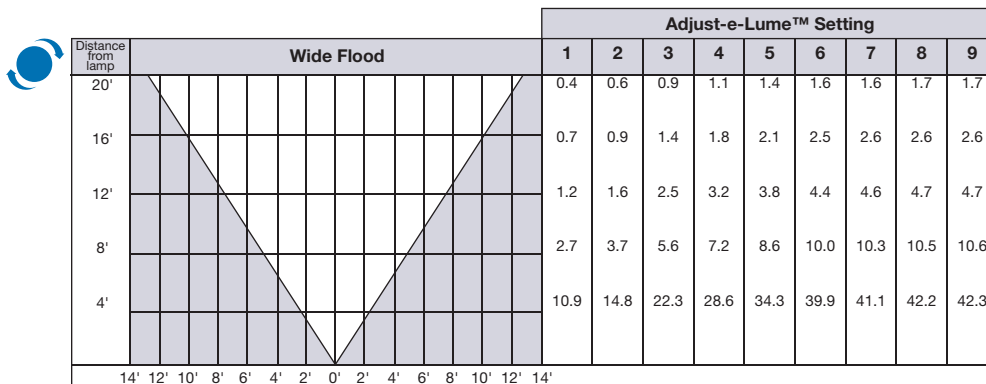
Note: If using No. 11 honeycomb baffle multiply footcandle values by .80



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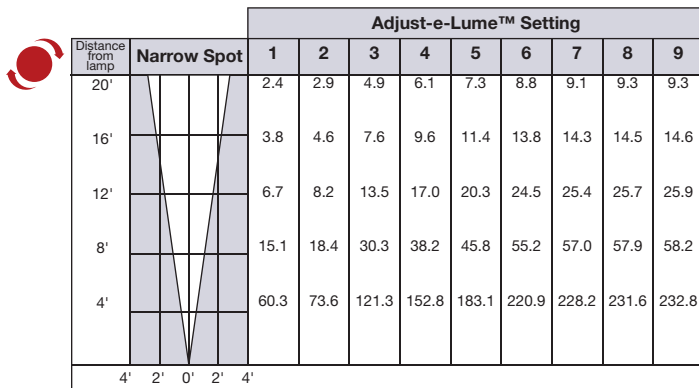


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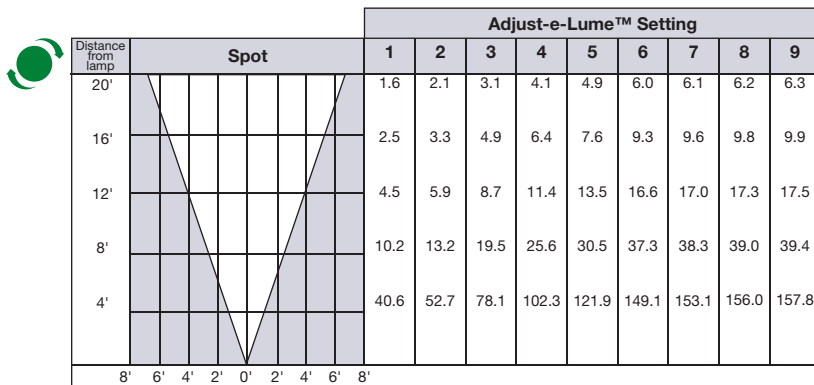
Select OptiKit™ for desired distribution

- RED**  **Narrow Spot (NSP)**
- GREEN**  **Spot (SP)**
- YELLOW**  **Medium Flood (MFL)**
- BLUE**  **Wide Flood (WFL)**

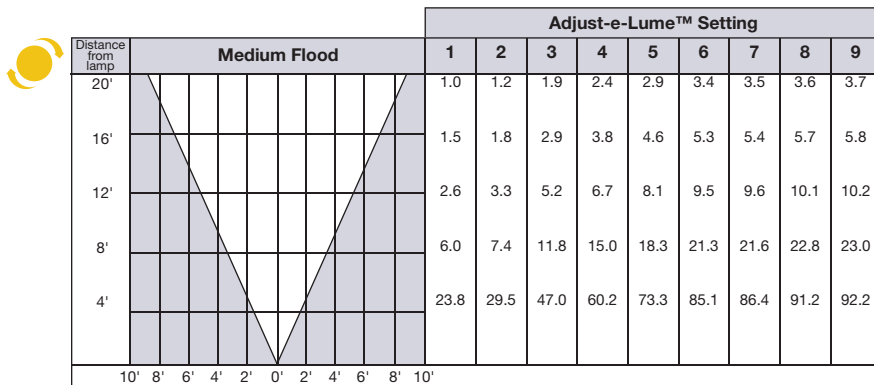
Set adjust-e-lume™ Dial to desired output



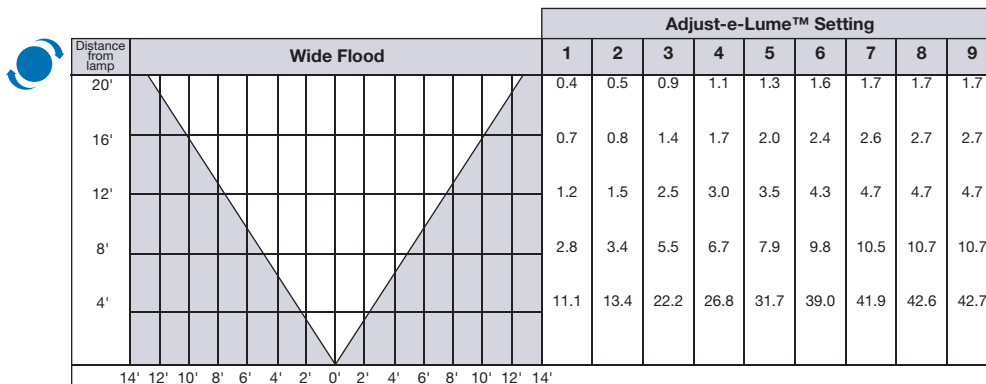
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Select OptiKit™ for desired distribution

- RED**  **Narrow Spot (NSP)**
- GREEN**  **Spot (SP)**
- YELLOW**  **Medium Flood (MFL)**
- BLUE**  **Wide Flood (WFL)**


Set adjust-e-lume™ Dial to desired output

Distance from lamp	Narrow Spot	Adjust-e-Lume™ Setting								
		1	2	3	4	5	6	7	8	9
20'		2.7	3.7	5.5	6.9	8.5	10.1	10.4	10.6	10.6
16'		4.3	5.7	8.7	10.8	13.3	15.7	16.2	16.5	16.5
12'		7.6	10.2	15.4	19.2	23.6	27.9	28.8	29.3	29.4
8'		17.1	23.0	34.7	43.2	53.0	62.8	64.8	66.0	66.1
4'		68.6	91.9	138.6	172.9	212.1	251.3	259.2	263.8	264.3

4' 2' 0' 2' 4'


Note: If using No. 11 honeycomb baffle multiply footcandle values by .80



Distance from lamp	Spot	Adjust-e-Lume™ Setting								
		1	2	3	4	5	6	7	8	9
20'		1.9	2.4	3.7	4.8	6.0	6.8	7.1	7.1	7.1
16'		2.9	3.7	5.9	7.4	9.4	10.6	11.0	11.1	11.2
12'		5.2	6.6	10.4	13.2	16.7	18.9	19.6	19.8	19.8
8'		11.8	14.9	23.4	29.7	37.6	42.5	44.1	44.6	44.6
4'		47.0	59.6	93.6	118.9	150.3	170.1	176.3	178.3	178.6

8' 6' 4' 2' 0' 2' 4' 6' 8'


Note: If using No. 11 honeycomb baffle multiply footcandle values by .80



Distance from lamp	Medium Flood	Adjust-e-Lume™ Setting								
		1	2	3	4	5	6	7	8	9
20'		1.1	1.4	2.2	2.8	3.3	3.8	4.0	4.1	4.1
16'		1.7	2.1	3.4	4.3	5.1	5.9	6.3	6.4	6.4
12'		3.0	3.8	6.1	7.7	9.1	10.5	11.2	11.3	11.4
8'		6.7	8.5	13.8	17.3	20.5	23.7	25.2	25.4	25.6
4'		26.9	34.2	55.0	69.3	81.9	94.7	100.6	101.6	102.4

10' 8' 6' 4' 2' 0' 2' 4' 6' 8' 10'

Note: If using No. 11 honeycomb baffle multiply footcandle values by .80



Distance from lamp	Wide Flood	Adjust-e-Lume™ Setting								
		1	2	3	4	5	6	7	8	9
20'		0.5	0.6	1.0	1.2	1.4	1.7	1.8	1.8	1.8
16'		0.8	1.0	1.5	1.8	2.2	2.7	2.8	2.8	2.9
12'		1.3	1.8	2.7	3.3	3.9	4.7	4.9	5.0	5.1
8'		3.0	4.0	6.0	7.3	8.8	10.7	11.1	11.3	11.4
4'		12.0	15.9	23.9	29.3	35.1	42.6	44.4	45.1	45.7

14' 12' 10' 8' 6' 4' 2' 0' 2' 4' 6' 8' 10' 12' 14'

Note: If using No. 11 honeycomb baffle multiply footcandle values by .80

Gold Star™ - Spot

lighting facts

CM

A Program of the U.S. DOE

Light Output (Lumens)

Watts

Lumens per Watt (Efficacy)

365

8.2

44

Color Accuracy

Color Rendering Index (CRI)

68

Light Color

Correlated Color Temperature (CCT)

4102 (Bright White)

Warm White

Bright White

Daylight

2700K

3000K

4500K

6500K

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: GCXV-YLJFN6
Model Number: GD-LED-e22-SP-12
Type: Outdoor path/step/rail light

Gold Star™ - Spot

lighting facts

CM

A Program of the U.S. DOE

Light Output (Lumens)

Watts

Lumens per Watt (Efficacy)

354

8.1

43

Color Accuracy

Color Rendering Index (CRI)

68

Light Color

Correlated Color Temperature (CCT)

4080 (Bright White)

Warm White

Bright White

Daylight

2700K

3000K

4500K

6500K

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

Registration Number: GCXV-6G1QHE
Model Number: GD-LED-e23-SP-12
Type: Other

Gold Star™ - Narrow Spot

lighting facts

CM

A Program of the U.S. DOE

Light Output (Lumens)

Watts

Lumens per Watt (Efficacy)

365

8.2

44

Color Accuracy

Color Rendering Index (CRI)

68

Light Color

Correlated Color Temperature (CCT)

4102 (Bright White)

Warm White

Bright White

Daylight

2700K

3000K

4500K

6500K

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

Registration Number: GCXV-CE73SG
Model Number: GD-LED-e23-NSP-12
Type: Other

Gold Star™ - Med. Flood - Rectilinear

lighting facts

CM

A Program of the U.S. DOE

Light Output (Lumens)

Watts

Lumens per Watt (Efficacy)

299

8.5

35

Color Accuracy

Color Rendering Index (CRI)

66

Light Color

Correlated Color Temperature (CCT)

4022 (Bright White)

Warm White

Bright White

Daylight

2700K

3000K

4500K

6500K

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

Registration Number: GCXV-KTWCWV
Model Number: GD-LED-e23-MFL-13
Type: Other

Gold Star™ - Med. Flood

lighting facts

CM

A Program of the U.S. DOE

Light Output (Lumens)

Watts

Lumens per Watt (Efficacy)

346

8.2

42

Color Accuracy

Color Rendering Index (CRI)

68

Light Color

Correlated Color Temperature (CCT)

4047 (Bright White)

Warm White

Bright White

Daylight

2700K

3000K

4500K

6500K

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

Registration Number: GCXV-MUNXBR
Model Number: GD-LED-e23-MFL-12
Type: Other

Gold Star™ - W. Flood

lighting facts

CM

A Program of the U.S. DOE

Light Output (Lumens)

Watts

Lumens per Watt (Efficacy)

345

8.3

41

Color Accuracy

Color Rendering Index (CRI)

67

Light Color

Correlated Color Temperature (CCT)

3981 (Bright White)

Warm White

Bright White

Daylight

2700K

3000K

4500K

6500K

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

Registration Number: GCXV-RFPE41
Model Number: GD-LED-e23-WFL-12
Type: Other