PROJECT:

QUANTITY: TYPE:

WS1611GV
MW - Matte White

WS1611GV
AY - Aero Yellow

WS1611GV
BZ - Bronze

WS1611GV
RD - Red Baron

SERIES	LUMENS[1]	CCT	DRIVER / DIMMING[2]	ACCESSORIES[6]	MOUNTING[9]	INTERIOR[13]	FINISH[13]	WET KIT
WS1210GV WS1410GV WS1611GV WS1812GV WS2015GV	**15L** 1500 Lm **27L** 2700 Lm **37L** 3700 Lm **55L** 5500 Lm	**80 CRI** **27K** 2700K **30K** 3000K **35K** 3500K **40K** 4000K **90 CRI** **27HK** 2700K **30HK** 3000K **35HK** 3500K **40HK** 4000K	**EX**[3] Electronic Driver, 120V/277V **DO10X** 1%, 0-10V, 120V/277V **DS2W1**[4] ELV/MLV, 120V **DLTE1**[5] Lutron® 2-Wire Forward Phase (MLV), 120V **DL3EX**[5] 1%, Lutron® EcoSystem®, Fades to Black, 120V/277V	**ENCLOSURES** **TF2**[7] 4" Frosted Dome **TG2** 4" Dome Wire Guard **MF2** 4" Frosted Mini **MG2** 4" Short Wire Guard **FJ2** 4" Frosted Tall **FG2** 4" Tall Wire Guard **FIXTURE WIRE GUARDS**[8] See 2ⁿᵈ Page for Ordering Details	**WALL MOUNT** **CP104** Small Driver Canopy **CP104KO** Small Driver Canopy w/ Knockouts **CP106** Large Driver Canopy **CP6/RMD** Remote Mount Driver **SP90_**[10] Straight Arm **PA_**[10] Mounting Arm Style **CEILING MOUNT** **RDC5** Small Driver Canopy **CP13** Large Driver Canopy **HM_**[11] Hang Straight **AT_**[11] Hang Straight All Thread **PM_**[11] Rigid Pendant Mount **CD_**[11] Cord / Cable Mount **CD72** 72" Cord / Cable Mount **CM_**[11] Cord Mount **EMCR**[12] 10W Large Driver Canopy EM **EMRM** 7W Remote EM **EMEN** 7W Remote with Enclosure	**MWI**[14] Matte White **CCI** Custom Color **FCI** Fixture Color Interior See Page 5 for Full Range of Color Options (83-90082)	**MW**[14] Matte White **MB**[14] Matte Black **PT**[14] Platinum Silver **CC** Custom Color See Page 5 for Full Range of Color Options (83-90082)	**WLKA** Wet Location Kit

QUICK SHIP

EXAMPLE: WS1210GV37L30KEXTF2/CP104PA23MWIRD

NOTES:
1 Nominal Source Lumens at 35K   **2** Contact Factory for Additional Options   **3** 37L Max with CP104   **4** 37L Max with CP104/RDC5, 55L Max with CP106/CP13
5 Available with CP106/CP13 Only   **6** Enclosure, Wire Guard - Choose One Option   **7** Standard Enclosure   **8** Wire Guard Requires TF2 Enclosure
9 See Mounting Page for Details on Components and Finishes   **10** See Mounting Page for Available Arm Options   **11** Specify Length in Inches:
See Mounting Page for Available Lengths   **12** EMCR Replaces RDC5 or CP13   **13** See Color Page for More Options/Consult Factory for Special Finishes   **14** Standard Finishes

Spectrum Lighting

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ILLUMINATING WHAT'S POSSIBLE.

Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

83-50013_RG

WAREHOUSE SHADE
DAMP / WET LOCATION
CLASSIC SHAPES

RLM CLASSICS

LUMENS / WATTAGE DATA				
PART NUMBER	SOURCE LUMENS[1]	DELIVERED LUMENS[2]	SYSTEM WATTS	LPW
WS1611GV15L	1500	1166	10	117
WS1611GV27L	2700	2038	18	113
WS1611GV37L	3700	2988	26	115
WS1611GV55L	5500	4401	39	113

1 Nominal Source Lumens at 35K **2** Nominal Delivered Lumens at 35K

HOUSING DIMENSIONS
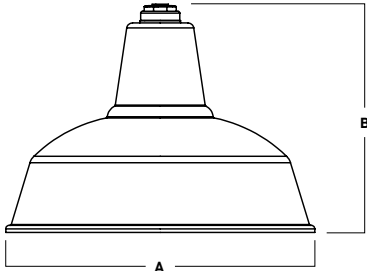
Dimensioned with **WS1611GV**

SERIES	A	B
WS1210GV	12.50	9.87
WS1410GV	14.50	11.68
WS1611GV	16.50	12.18
WS1812GV	18.50	12.68
WS2015GV	20.00	13.19

QUICK SHIP
Quick Ship Surface highlights products that can ship in 5 - 10 working days.

APPLICATIONS
The Warehouse Shade is one of our most popular RLM styles.

FEATURES
Spectrum Lighting's RLM Classics are inspired by vintage lighting fixtures redesigned with modern LED light sources and materials. The wide range of options for illumination, mounting, enclosures, guards and finishes allows for creative fixture specification and design. LED module and driver are serviceable for future replacement. Available in five sizes.

FINISH
Multi-stage polyester powder-coat process applied on our dedicated paint lines. Variety of standard and custom finishes are available. Interior is Matte White unless specified. Custom Color interior finishes available.

ELECTRONICS
GV LED system features high brightness white Samsung LED's. 3-step MacAdam Ellipse binning. Standard CRI: 80+. Higher CRI, R9 and custom LED configurations are available; consult factory. Choice of electronic 120V/277V and dimming drivers.

CONSTRUCTION
Fixture shades are spun in our factory from 0.063 high purity aluminum. Wall mount canopies are die-cast aluminum with stainless steel hardware. Wall arms are formed 3/4 NPT aluminum pipe and may be field cut.

CODE COMPLIANCE
BAA compliant. ETL certified to meet US and Canadian standards. Suitable for dry or damp locations. Wet Location Option. Manufactured and tested to UL standards No. 1598/8750.

SERIES SIZES

WS1210GV | WS1410GV | WS1611GV | WS1812GV | WS2015GV

ENCLOSURES

TF2
4" FROSTED DOME

MF2
4" FROSTED MINI

FJ2
4" FROSTED TALL

TG2
4" FROSTED DOME WIRE GUARD - FITS TF2

MG2
4" FROSTED MINI WIRE GUARD - FITS MF2

FG2
4" FROSTED TALL WIRE GUARD - FITS FJ2

FIXTURE WIRE GUARDS

WG12- 12" Ø
WG14- 14" Ø
WG16- 16" Ø
WG18- 18" Ø

WS1611GV SHOWN WITH WG16

WALL MOUNT
(SEE MOUNTING PAGES FOR MORE OPTIONS & DIMENSIONS.)

PA_
MOUNTING ARM STYLE

WS1611GV SHOWN WITH CP104PA23

CEILING MOUNT
(SEE MOUNTING PAGES FOR MORE OPTIONS & CANOPY DIMENSIONS.)

HM / AT / PM
HANG STRAIGHT / ALL THREAD / PENDANT

WS1611GV SHOWN WITH RDC5PM

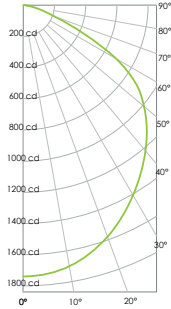**CD**
CORD / CABLE MOUNT

WS1611GV SHOWN WITH RDC5CD

CM
CORD MOUNT

WS1611GV SHOWN WITH RDC5CM

WS1611GV-55L-35K-EX-TF2-MWI

CANDLEPOWER CURVE

Delivered Lumens: 4,394
Luminaire Watts: 39
LER: 112.67

INTENSITY

0.00°	
0.00°	1,739
5.00°	1,730
10.00°	1,700
15.00°	1,648
20.00°	1,579
30.00°	1,407
40.00°	1,219
50.00°	1,010
60.00°	688
70.00°	216
80.00°	54
90.00°	0

CP at 0deg (Nadir): 1,739
CRI: 85+

ZONAL LUMENS

0° - 10°	174	4%
0° - 20°	635	14%
0° - 30°	1,323	30%
0° - 40°	2,145	49%
0° - 60°	3,781	86%
0° - 80°	4,362	99%
0° - 90°	4,394	100%
Total	4,394	100%

SINGLE UNIT: PERFORMANCE
INITIAL FOOTCANDLES
BASED ON IES BEAM ANGLE

Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge
8.0 '	27 fc	23.2 '	8 fc
10.0 '	17 fc	29.0 '	5 fc
12.0 '	12 fc	34.7 '	4 fc
14.0 '	9 fc	40.5 '	3 fc
16.0 '	7 fc	46.3 '	2 fc
20.0 '	4 fc	57.9 '	1 fc
24.0 '	3 fc	69.5 '	1 fc
28.0 '	2 fc	81.1 '	1 fc

Beam Angle: 110.62
Spacing Ratio: 1.2

MULTIPLE UNITS: PERFORMANCE
80/50/20% REFLECTANCES
INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT

Ceiling Height	Fixture Spacing	RCR 1		RCR 3	
		FC [*]	W/Sq. Ft.	FC [*]	W/Sq. Ft.
17'	16' [*]	17	0.14	10	0.11
21'	18' [**]	15	0.13	12	0.13
25'	20' [***]	12	0.10	8	0.08
Delivered Illuminance Rating: (DIR)		116 FC per W/Sq. Ft.		91 FC per W/Sq. Ft.	

3' Suspension Length
Square rooms used for multiple units:
- RCR 1: Length & Width = Ceiling Ht. - 5.5' x 10.00
- RCR 3: Length & Width = Ceiling Ht. - 5.5' x 3.33
[*] Average Footcandles at 2.5' Above Floor
[*] Exceeds spacing criteria by 16%
[**] Exceeds spacing criteria by -3%
[***] Exceeds spacing criteria by -15%

Lamp Multiplier: 15L x 0.265, 27L x 0.463, 37L x 0.679
CCT Multiplier: 27K x 0.971, 30K x 0.985, 40K x 1.03

Spectrum Lighting

83-50013_RG

MOUNTING & ACCESSORIES

SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES, CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION.
NOTE: THIS IS TYPICAL OF RLM SPECIFICATION FOR MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.
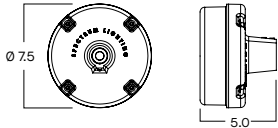
RLM CLASSICS

WALL MOUNTING

CP104 - SMALL DRIVER CANOPY (STANDARD)
MAY BE USED AS SPLICE BOX FOR DIRECT FEED
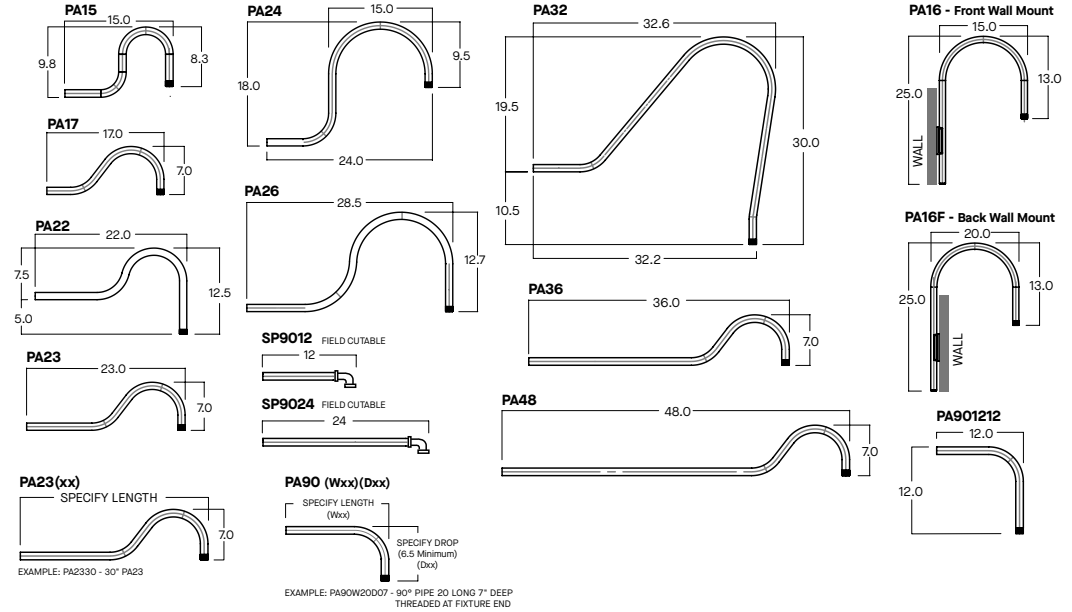NOT AVAILABLE W/ PA16 & PA16F

Ø 5.5 / 4.0
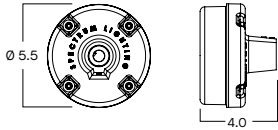
CP106 - LARGE DRIVER CANOPY
MAY BE USED AS SPLICE BOX FOR DIRECT FEED

Ø 7.5 / 5.0

CP6/RMD - REMOTE MOUNT DRIVER
MOUNTS DIRECTLY TO WALL OR OCTAGON STYLE J-BOX

Ø 4.7 / 1.8

CUSTOM AND OTHER WALL ARMS AVAILABLE - CONTACT FACTORY. ARMS MAY BE FIELD CUT ON WALL SIDE - FIXTURE SIDE THREADED 3/4" NPT REQUIRES SEALANT FOR WET LOCATION.

PA15 — 15.0 / 9.8 / 8.3

PA17 — 17.0 / 7.0

PA22 — 22.0 / 7.5 / 5.0 / 12.5

PA23 — 23.0 / 7.0

PA23(xx) — SPECIFY LENGTH / 7.0
EXAMPLE: PA2330 - 30" PA23

PA24 — 15.0 / 18.0 / 9.5 / 24.0

PA26 — 28.5 / 12.7

SP9012 FIELD CUTABLE — 12

SP9024 FIELD CUTABLE — 24

PA90 (Wxx)(Dxx) — SPECIFY LENGTH (Wxx) / SPECIFY DROP (6.5 Minimum) (Dxx)
EXAMPLE: PA90W20D07 - 90° PIPE 20 LONG 7" DEEP THREADED AT FIXTURE END

PA32 — 32.6 / 19.5 / 30.0 / 10.5 / 32.2

PA36 — 36.0 / 7.0

PA48 — 48.0 / 7.0

PA16 - Front Wall Mount — 15.0 / 25.0 / 13.0 / WALL

PA16F - Back Wall Mount — 20.0 / 25.0 / 13.0 / WALL

PA901212 — 12.0 / 12.0

CEILING MOUNTING

RDC5 - SMALL DRIVER CANOPY (STANDARD)
MOUNTS TO 4" OCTO J-BOX

Ø 5.3 / 2.5

CP13 - LARGE DRIVER CANOPY

Ø 7.0 / 2.6
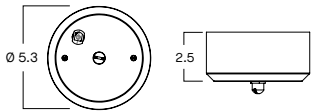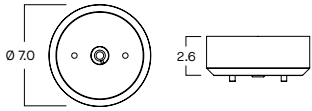
HM*
HANG STRAIGHT
45° SWIVEL 5/8" OD STEM - 3/8" IP

45°
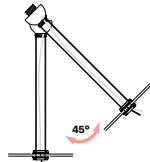
ORDER: HM (Length)
SPECIFY LENGTH:

HM3 - 3"	HM24 - 24"
HM6 - 6"	HM36 - 36"
HM12 - 12"	HM48 - 48"
HM18 - 18"	HM72 - 72"

HMLC(XX)
Custom Length
(Specify in Inches)

**PM***
RIDGID PENDANT MOUNT
RIGID 5/8" OD STEM - 3/8" IP

0°
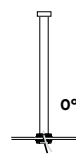
ORDER: PM (Length)
SPECIFY LENGTH:

PM3 - 3"	PM24 - 24"
PM6 - 6"	PM36 - 36"
PM12 - 12"	PM48 - 48"
PM18 - 18"	PM72 - 72"

PMLC(XX)
Custom Length
(Specify in Inches)

AT**
HANG STRAIGHT ALL THREAD
45° SWIVEL 5/8" OD STEM - 1/4" IP
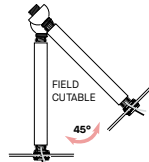
FIELD CUTABLE
45°

ORDER: AT (Length)
SPECIFY LENGTH:

AT12 - 12"	AT48 - 48"
AT24 - 24"	AT60 - 60"
AT36 - 36"	AT72 - 72"

CDLC(XX)
Custom Length
(Specify in Inches)

FIELD CUT THREADED PIPE TO LENGTH NEEDED.
CUT "PIPE COVER 3/4" SHORTER THAN THREADED PIPE
SLIP "PIPE COVER" OVER THREADED PIPE

CD
CORD / CABLE MOUNT
SJ CORD WITH 1/16 SS CABLE

ADJUST AND LOCKS
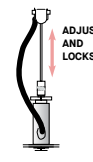
ORDER: CD (Length)
SPECIFY LENGTH:

CD36 - 36"
CD72 - 72"
CD144 - 144"

CDLC(XX)
Custom Length
(Specify in Inches)

CM
CORD MOUNT
SJ CORD WITH STRAIN RELIEF

ORDER: CM (Length)
SPECIFY LENGTH:

CM36 - 36"
CM72 - 72"
CM144 - 144"

CMLC(XX)
Custom Length
(Specify in Inches)

*MAXIMUM ONE PIECE STEM LENGTH IS 72". **MAXIMUM ONE PIECE STEM LENGTH IS 36". LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.
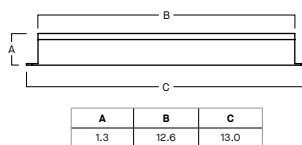**ORDER IN 12" INCREMENTS, ODD SIZES MAY BE FIELD CUT

EMERGENCY BATTERY OPTIONS

EMCR - LARGE DRIVER CANOPY FOR 10W EMERGENCY BATTERY

Ø 9.0 / 3.25
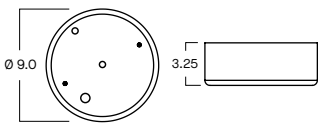
REMOTE EMERGENCY BATTERY OPTIONS

EMRM* - 7W REMOTE EMERGENCY BATTERY
(50' MAX)

A	B	C
1.3	12.6	13.0

EMEN* - 7W REMOTE EMERGENCY BATTERY WITH ENCLOSURE (50' MAX)

A	B	C
2.0	17.0	6.2
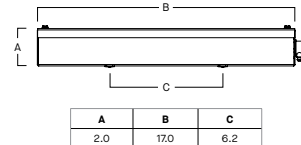
*OTHER EM BATTERY SIZES AVAILABLE, CONTACT FACTORY.

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ILLUMINATING WHAT'S POSSIBLE.

COLOR OPTIONS - POWDER COAT PAINT FINISHES

NOTE: NO PRINTED IMAGE CAN EQUAL THE EXACT COLOR OF FINISH ON METAL.
SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION.

SPECTRUM
POWDER COAT COLORS

STANDARD CORD / STEM / CANOPY FINISHES

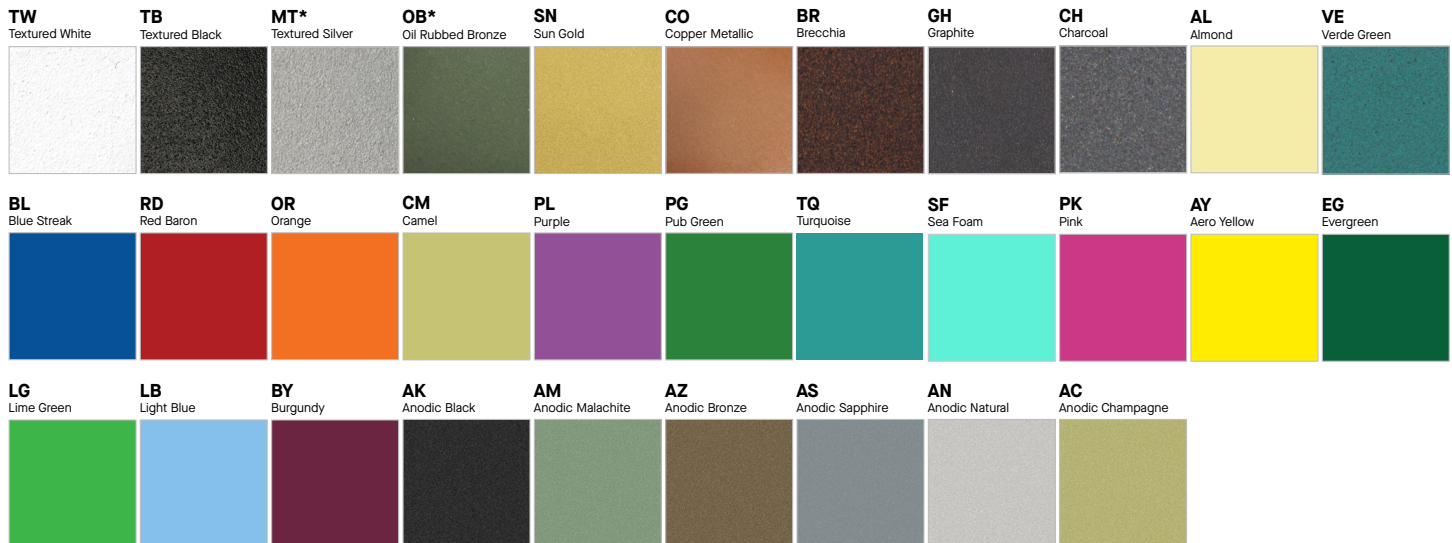| FIXTURE COLOR	STANDARD CORD COLOR	STANDARD CANOPY / STEM COLOR
Matte White, Textured White	Matte White	Matte White
Gloss White	Matte White	Gloss White
Matte Black, Gloss Black, Textured Black	Matte Black	Matte Black
All Others	Matte Black	Same Color as Fixture
Custom Color	Contact Factory	Contact Factory

PAINT TIMES

TIER	COST	AVERAGE PAINT TIME*
Tier 1 - Standard Finishes	$	🕐
Tier 2 - Typical Finishes	$$	🕐🕐
Tier 3 - Special Metal Finishes	$$$	🕐🕐🕐
Custom Color	Contact Factory	Contact Factory

*CONTACT FACTORY FOR SPECIFIC PRODUCT LEAD TIMES

TIER 1 - STANDARD FINISHES

MW Matte White
GW Gloss White
PT Platinum Silver
MB Matte Black
GB Gloss Black
BZ Bronze

TIER 2 - TYPICAL FINISHES

TW Textured White
TB Textured Black
MT* Textured Silver
OB* Oil Rubbed Bronze
SN Sun Gold
CO Copper Metallic
BR Brecchia
GH Graphite
CH Charcoal
AL Almond
VE Verde Green

BL Blue Streak
RD Red Baron
OR Orange
CM Camel
PL Purple
PG Pub Green
TQ Turquoise
SF Sea Foam
PK Pink
AY Aero Yellow
EG Evergreen

LG Lime Green
LB Light Blue
BY Burgundy
AK Anodic Black
AM Anodic Malachite
AZ Anodic Bronze
AS Anodic Sapphire
AN Anodic Natural
AC Anodic Champagne
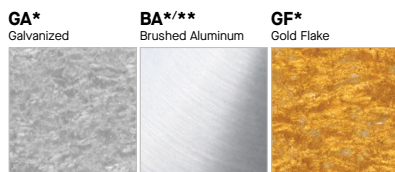
TIER 3 - SPECIAL METAL FINISHES

NOT AVAILABLE ON ALL FIXTURES. PLEASE CONSULT
SPECIFICATION SHEETS OR FACTORY FOR AVAILABILITY.

GA* Galvanized
BA*/** Brushed Aluminum
GF* Gold Flake

CUSTOM COLOR FINISHES

CONTACT FACTORY

CC Custom Color

CC

*UNAVAILABLE FOR WET LOCATION

**UNAVAILABLE FOR INTERIOR

Spectrum Lighting

ILLUMINATING WHAT'S POSSIBLE.

83-90082_RA