R2AG SERIES

Small R20 Aluminum Bullet for LED PAR20

Fixture shown with S2 Down Shield

FEATURES & SPECIFICATIONS

CONSTRUCTION — Made with a die cast aluminum housing with stainless steel fasteners. Designed to efficiently operate PAR20 shaped lamps. A high temperature drain plug is provided for uplight applications. A sturdy knuckle mount with locknut is provided for a secure installation. ETL listed for wet locations.

FINISH — A Super Durable Polyester powder coat finish is electrostatically applied in our state of the art paint facility. Standard colors available: Black, Bronze, OD Green, White. Custom colors available upon request.

OPTICAL SYSTEM — Beam spreads vary based on the light source and lamp shape chosen. Standard shields include an up shield with a convex clear tempered glass lens and an open down shield. Various additional shield and lens assemblies are available for custom applications. A shield should be ordered to complete the assembly and ordered separately.

ELECTRICAL SYSTEM — LED PAR lamp models available for line voltage operation. Recommended to use minimum one surge protection device per circuit. Each fixture comes with a medium base porcelain 4KV rated socket positioned for PAR20 use.

MOUNTING — Comes standard with a 1/2" threaded knuckle mount, fully adjustable swivel arm, and locking teeth. The fixture can be mounted using a Techlight mounting accessory. See page 2.

SERIES	HOUSING HEIGHT	LENGTH & WIDTH
R2AG	6.5"	5.0" x 3.4"

ORDERING INFORMATION

Choose the bold face options for the appropriate luminaire configuration for your application and enter on the line above each fixture attribute. Accessories may be factory installed, depending on the particular accessory chosen, but still be ordered as a separate line item.

EXAMPLE:

R2AG ODG

R2AG	
SERIES	**FINISH**
	BZ = Bronze
	BK = Black
	GR = US Green
	WH = White
	ODG = Olive Drab Green
	SP[2] = Special

SHIELDS (Order as separate line items, specify shield finish as suffix)

S1DN	Down Shield
S2UP	Up Shield with convex lens and molded silicone gasket
S34DN	Down Shield with Lens
S35DN	Down Shield with Blue Lens
S36UP	Up Shield with Blue Lens and molded silicone gasket
S40DN	Down Shield with Quarter Blue Lens
S41UP	Up Shield with Quarter Blue Lens and molded silicone gasket
S2-CA	Die cast aluminum up shield with convex lens and molded silicone gasket
S163P[1]	Premium Tube Lens

Specify shield <u>finish</u> as <u>suffix</u> from options in the ordering chart to the left.
Example: S1DN <u>ODG</u>

ACCESSORIES (Order as separate line items)

BASE

B01GL	Tree Base With Ground Lug
B02	1/2" Conduit Base
B03	3-Hole Round Cover
B06	Brass Tree Base
B10	1/2" Hub With Ground
B16-12	Palm Tree Base With 12' Strap
LMSB	20" X 2.5" Mounting Stake (Brass)
LMS	20" X 2.5" Mounting Stake (SCH 40 PVC)
LMSZ-BK	20" X 2.5" Mounting Stake (Zinc Top Painted Black)
S80	Honeycomb Louver
TLSBBJB	Brass Junction Box
TLHB800RCH	Digital Timer
PSJ163	16 Gauge 3 Strand Lead Wire (Color Coded) Per Linear Foot

LAMPS

|	
LUVPAR207WxxK[3,4]	LED 7W PAR20
ALUMAPAR207WxxK[3,5]	LED 7W PAR20

NOTES

1 = Premium shields are designed to allow debris to wash free in an uplight position.
2 = Custom RAL color matching is available. Contact your sales representative for additional info.
3 = Recommend minimum one surge protection device for each circuit. See FSPENCA277V Series specification sheet for details.
4 = XX could be 27 = 2700K, 30 = 3000K, 40 = 4000K, 65 = 6500K or GR = Green Lens. See LUV Series specification sheet for details.
5 = XX could be 30 = 3000K, 40 = 4000K, 65 = 6500K or MVS = Moonlight. See ALUMA-LUX Series specification sheet for details.
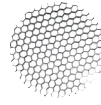
R2AG Small R20 Aluminum Bullet

AVAILABLE FIXTURE DIMENSIONS

Dimensions shown are for fixture bodies only. Mounting options must be ordered separately.

5.0"
6.5"
3.4"
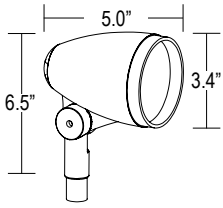
ACCESSORIES

S80
Honeycomb Louver

TLHB800RCH
Digital Timer

PSJ163
16 Gauge 3 Strand Lead Wire

MOUNTING ACCESSORIES

B01GL
Tree Base with Ground Lug

B02
1/2" Conduit Base

B03
4" Round 3 Hole Cover

TLSBBJB
Brass Junction Box

B16-12
Palm Tree Base with 12' Strap

LMSB, LMS, LMSZ-BK
20" x 2.5" Mounting Stakes

B06
Brass Tree Base

B10
1/2" Hub with Ground

SURGE PROTECTION DEVICE

FSPENCA277V[4] - 10kA surge protector device (**102549**) with aluminum enclosure

7.0"
3.0"
3.0"

102549
Inside Enclosure

102549 - 10kA Surge Protective Device

- 90-305 Vac Working Input Voltage
- 15 kA Maximum, 10 kA Nominal (15 strikes) Surge Current Rating Using Industry Standard 8/20us Wave
- UL1449 Type 4, EN 61643-11 - Surge Protective Devices T2 & T3
- IEEE C62.41.2 Location Category C High
- High Temperature, 85C Maximum Ambient
- Flameproof Plastic Enclosure
- IP66
- Compatible with Inventronics LED Drivers
- "Series" Wiring Configuration

102549 DIMENSIONS

BLACK WHITE GREEN BLUE BROWN
UL 1015 14AWG
Half-peeling Max:3
M20×1.5
38.5±1
41.5±1
50.5±1
Ø3
5.5±1
38±1

102549 WIRING DIAGRAM (IN SERIES)

L — MCB — BLACK — Surge Protector — BROWN — Fixture
N — MCB — WHITE — Surge Protector — BLUE — Fixture
C-Type, ≤ 32A
G — GREEN

TECHLIGHT
GROUNDED IN ILLUMINATION

SHIELDS

Specify shield <u>finish</u> as <u>suffix</u> from options in the ordering chart on page 1.
Example: S1DN <u>ODG</u>

UP SHIELDS	DOWN SHIELDS	TUBES

S2UP = Up Shield with convex lens and molded silicone gasket 0.19"

R1.68" / 3.00"

S34DN = Down Shield with Lens

1.55" / 4.42" / R1.68"

S2-CA = Die cast aluminum up shield with convex lens and molded silicone gasket

0.81" / 3.00" / R1.75"

S36UP = Up Shield with Blue Lens and molded silicone gasket

1.55" / 3.00" / R1.69"

S35DN = Down Shield with Blue Lens

1.55" / 4.42" / R1.69"

S163P = Premium Tube Lens

4.50" / R2.03"

S41UP = Up Shield with Quarter Blue Lens and molded silicone gasket

1.55" / 3.00" / R1.71"

S40DN = Down Shield with Quarter Blue Lens

1.55" / 4.42" / R1.71"

S1DN = Down Shield

4.42" / R1.71"

WARNING: Maintenance performed including the replacement of LED bricks while power is still supplied to the luminaire may result in system failures and will void the warranty.
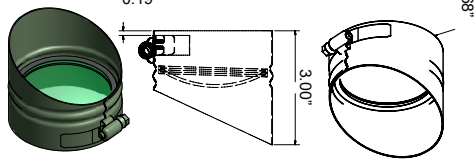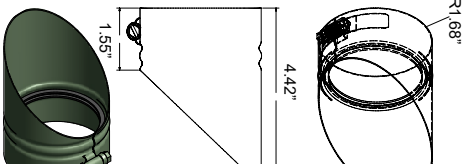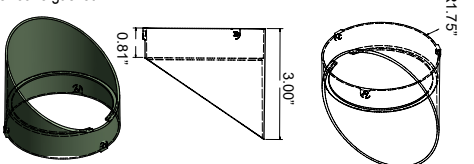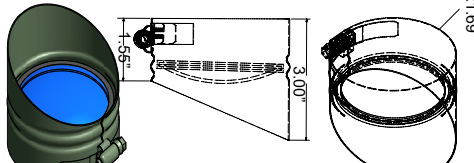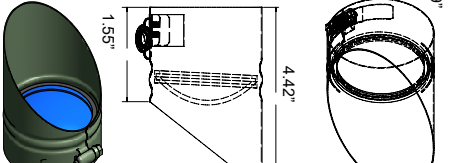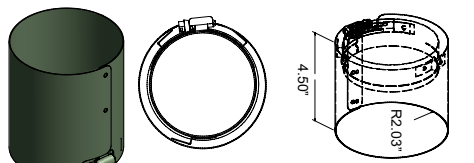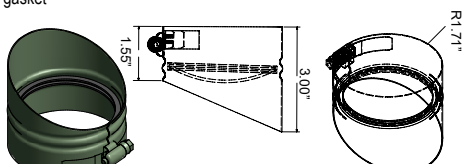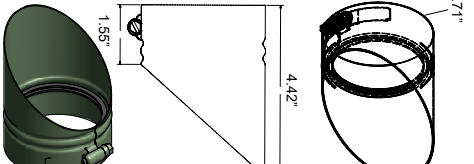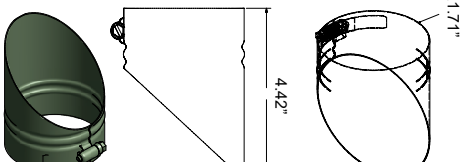
TECHLIGHT
GROUNDED IN ILLUMINATION

All dimensions and specifications are subject to change without notice.

REV: 20241022-07