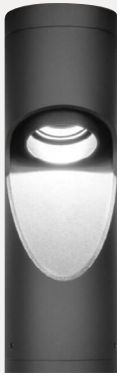


## SHIFT 4

## Bollard remote

Project: \_\_\_\_\_

Type: \_\_\_\_\_



Family of bollards integrating adjustable spotlight in the cylindrical shape of the pole that can be independently controlled and freely rotated on their axis.

## PHOTOMETRIC SUMMARY

Model	Power (W)	Optic	Lumens (lm)	Efficacy (lm/W)	Candela (cd)	BUG
S1451W S1456W	14.7	51°	995	68	1 357	B0 U1 G0
S1452W S1457W		19° x 54°	527	36	1 793	B0 U1 G0

For 3000K, 90CRI. Consult [page 5](#) for full photometric data.

## FINISH OPTIONS



PREMIUM



Consult factory for custom finishes

## FEATURES

- 0-10V, DALI, DMX, (120-277V) down to 1%, LTE (120V) down to 1%
- Remote LED driver options [page 2](#)
- Up to 2 additional heads [page 1](#)
- Dimensions and Mounting options [page 3](#)
- Full specification available [page 3](#)
- Consult factory for further customization

## OPTIC OPTIONS



51° optic  
19° X54° optic



## ORDERING INFO

PRODUCT CODE

EXAMPLE: S1456W-S1466W-NA-REM-01

MODEL	HEAD 2°	HEAD 3°	LED	VOLTAGE	FINISH
<i>Shift 4 Bollard Ø4" (102mm) H25" (635mm)</i>	<i>Shift 4 Bollard Ø4" (102mm) H12" (315mm)</i>	<i>Shift 4 Bollard Ø4" (102mm) H12" (315mm)</i>	<b>H</b> 2700K, 90CRI	<b>REM</b> Remote	<b>09</b> Black
<b>S1451</b> 51° optic.	<b>S1465</b> 16° optic.	<b>S1465</b> 16° optic.	<b>W</b> 3000K, 90CRI		<b>24</b> Anthracite gray
<b>S1452</b> 19X54° optic.	<b>S1466</b> 51° optic.	<b>S1466</b> 51° optic.	<b>N</b> 4000K, 80CRI		<i>Premium</i>
<i>Shift 4 Bollard Ø4" (102mm) H37 3/8" (950mm)</i>	<b>S1467</b> 19X54° optic.	<b>S1467</b> 19X54° optic.			<b>01</b> White
<b>S1456</b> 51° optic.	<b>NA</b> No head 2	<b>NA</b> No head 3			<b>07</b> Green
<b>S1457</b> 19X54° optic.					<b>14</b> Aluminum gray
					<b>20</b> Burnished Bronze

\*Additional heads can be added to Shift 4 Bollard. You can add up to 2 heads obtaining a configuration of 2 for maximum 3 heads. Heads can be controlled separately. See dimming options on [page 2](#) for details. Additional heads can be also turned upside down to light up.

## MOUNTING ACCESSORIES

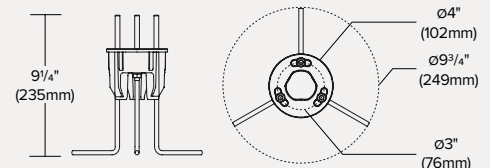
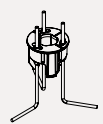
To be ordered separately.

CONNECTION ACCESSORY CODE

EXAMPLE: S2148

## OPTIONAL FOR SHIFT 4 BOLLARD

**S2148**  
Ø4" (Ø102mm)  
Flange with stainless steel screws for Shift 4 bollard concrete installation.



Project: \_\_\_\_\_  
Type: \_\_\_\_\_

REMOTE LED DRIVER OPTIONS

To be ordered separately.

DRIVER CODE

EXAMPLE: 4445-0500-009-120-LTE

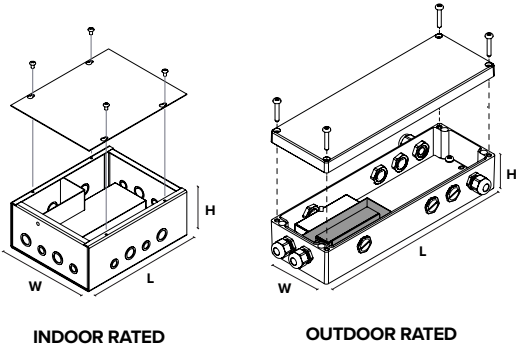
INDOOR RATED DRIVER BOX MODELS	MAX DISTANCE**	MIN-MAX UNITS	INDOOR RATED DRIVER BOX MODELS	MAX DISTANCE**	MIN-MAX UNITS
		CONSTANT CURRENT 350mA, 12.7W*			CONSTANT CURRENT 350mA, 12.7W*
0-10V	118ft (36m)		0-10V	118ft (36m)	
4450-0350-042-UNV-D10-3TRL		1 to 3 heads controlled together	4549-0350-042-UNV-D10-3TRL		1 to 3 heads controlled together
4450-0350-028-UNV-D10-2TRL		1 to 2 heads controlled together	4549-0350-028-UNV-D10-2TRL		1 to 2 heads controlled together
4445-0350-014-UNV-D10		1 head	4548-0350-014-UNV-D10		1 head
DALI			DALI		
4449-0350-038-UNV-DDA-2TRL		1 to 3 heads controlled separately	4555-0350-038-UNV-DDA-2TRL		1 to 3 heads controlled separately
4450-0350-038-UNV-DDA		1 to 2 heads controlled separately	4549-0350-038-UNV-DDA		1 to 2 heads controlled separately
4450-0350-019-UNV-EDA		1 head	4549-0350-019-UNV-EDA		1 head
DMX			DMX		
4450-0350-050-UNV-PDMX		1 to 3 heads controlled separately	4549-0350-050-UNV-PDMX		1 to 3 heads controlled separately
LTE			LTE		
4450-0350-042-120-LTE-3TRL		1 to 3 heads controlled together	4549-0350-042-120-LTE-3TRL		1 to 3 heads controlled together
4450-0350-028-120-LTE-2TRL		1 to 2 heads controlled together	4549-0350-028-120-LTE-2TRL		1 to 2 heads controlled together
4445-0350-014-120-LTE		1 head	4548-0350-014-120-LTE		1 head

\* Wattage requirement for one (1) fixture.  
\*\*Max distance cable calculated for 16AWG cable. Contact customer service for longer remote distance.

DRIVER BOX MODEL DESCRIPTION

MODEL (L x W x H)	CONSTANT CURRENT	WATTAGE	VOLTAGE	DIMMING PROTOCOL
<b>4448</b> 10" x 8" x 4" (254 x 203 x 102mm)	<b>0350</b> 350mA	<b>019 to 079</b> 19W to 79W	<b>120</b> 120V	<b>D10</b> 0-10V down to 1%
<b>4549</b> 14.5" x 5" x 3.5" (368 x 127 x 89mm)			<b>UNV</b> 120-277V	<b>DDA or EDA</b> DALI down to 1%
				<b>PDMX</b> DMX RDM down to 1%
				<b>LTE</b> Leading and Trailing edge down to 1%

DRIVER BOX DIMENSIONS



WIRING DIAGRAMS

**D10 / LTE**

Multiple heads are controlled together and connected on different outputs.

Wire for 1 head: 2/18 AWG  
Wire for 2 heads: 4/18 AWG  
Wire for 3 heads: 6/18 AWG

**DALI**

Multiple heads are controlled separately and connected on different channels.

Wire for 1 head: 2/18 AWG  
Wire for 2 heads: 4/18 AWG  
Wire for 3 heads: 6/18 AWG

**DMX**

Multiple heads are controlled separately and connected on different channels.

Wire for 1 head: 2/18 AWG  
Wire for 2 heads: 4/18 AWG  
Wire for 3 heads: 6/18 AWG

## SPECIFICATIONS

### LUMEN MAINTENANCE

80% of initial lumens at 70 000 hours (L80 B10) Ta 77°F (25°C)  
80% of initial lumens at 50 000 hours (L80 B10) Ta 104°F (40°C) (LM-80)

### OPTICS

Wide flood 51°  
Elliptical 19° X 54°

### BUG RATING

For all optics,  
Head down 0°: B0 U1 G0  
Head 45°: B0 U1 G0

### MATERIAL

**Boby:** Die-cast aluminum  
**Diffuser:** Toughened glass.

### MOUNTING

Install with flange accessory or fasten to solid ground.

### ADJUSTMENT

Each head can pan 355° and tilt 90°

### ELECTRICAL

Constant current 350mA.  
See remote LED driver options on [page 2](#)

### DIMMING

See dimmable options on [page 2](#)

### FINISH

Anthracte gray (24) or black (09) painted finish, following a double powder paint in 3 step process: surface treatment containing ceramic nano particles (Bonderite). Epoxy primer paint. Polyester powder paint with high resistance against UV rays and harsh weather conditions.  
See [page 1](#) for other premium finishes available: white (01), green (07), aluminum gray (14) and burnished bronze (20).  
Resistance test protection Marine applications : 1200h.  
We provide RAL numbers that are similar, but we cannot guarantee an exact color match. For a more accurate color and gloss match, please contact customer service for a sample chip.  
Similar RAL numbers:  
Anthracte gray RAL9007, black RAL9005, white RAL9016, green RAL6028, aluminum gray RAL9006 and burnished bronze RAL8019.

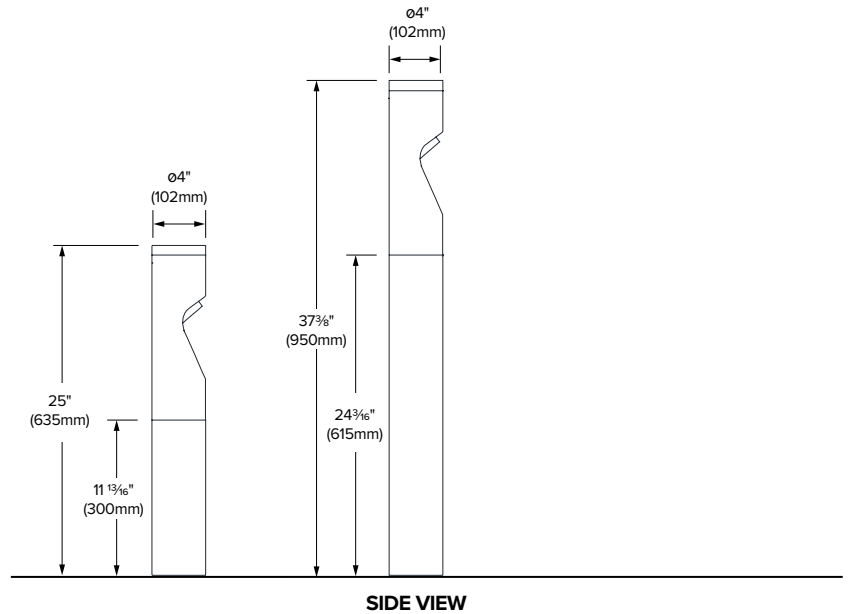
### OPERATING TEMPERATURE

-4°F to 122°F (-20°C a +50°C)

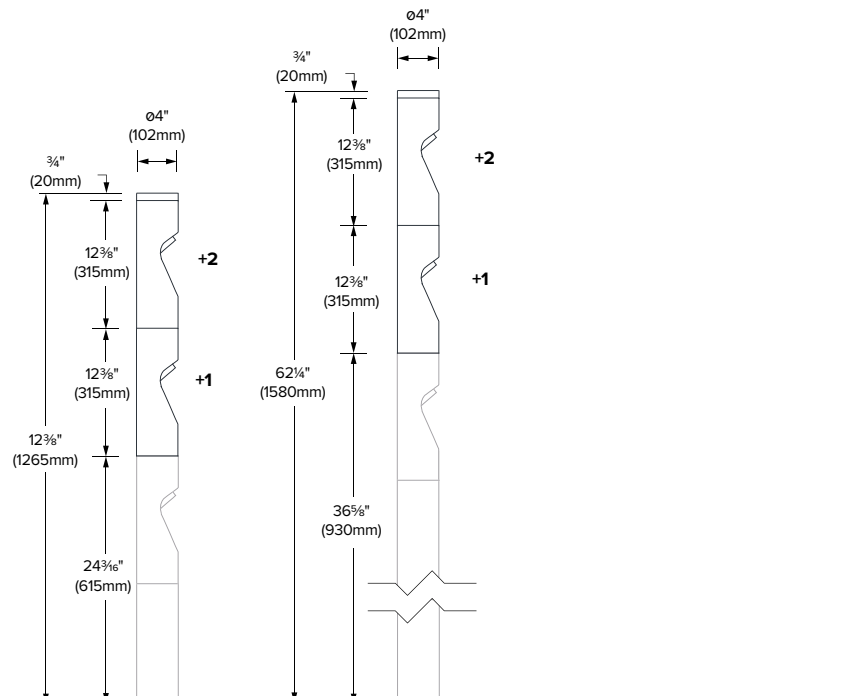
### WEIGHT

**S1451, S1452** H 25" (635mm) : 11lb (5.1 kg)  
**S1456, S1457** H 37 3/8" (950mm) : 13.2lb (6.23kg)  
**S1465, S1466, S1467** Heads: H 12 3/8" (315mm) : 5.6lb (2.56 kg)

## DIMENSIONS



## DIMENSIONS WITH MULTIPLE HEADS

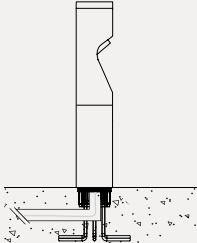
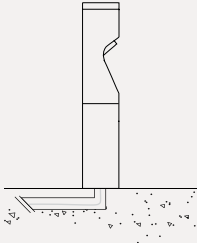


SHIFT 4  
Bollard remote

Project: \_\_\_\_\_  
Type: \_\_\_\_\_

MOUNTING OPTIONS

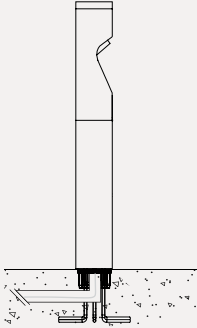
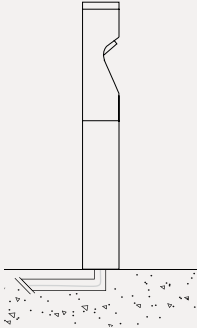
SHIFT 4 H25" (635mm)



**REM** - Installed directly to solid surface with recessed channel or gutter.

**REM** - Mounting with flange and stainless steel screws, (S2148) to be ordered separately, [page 1](#). For new installation with poured concrete and recessed channel or gutter.

SHIFT 4 H37<sup>3</sup>/<sub>8</sub>" (950mm)



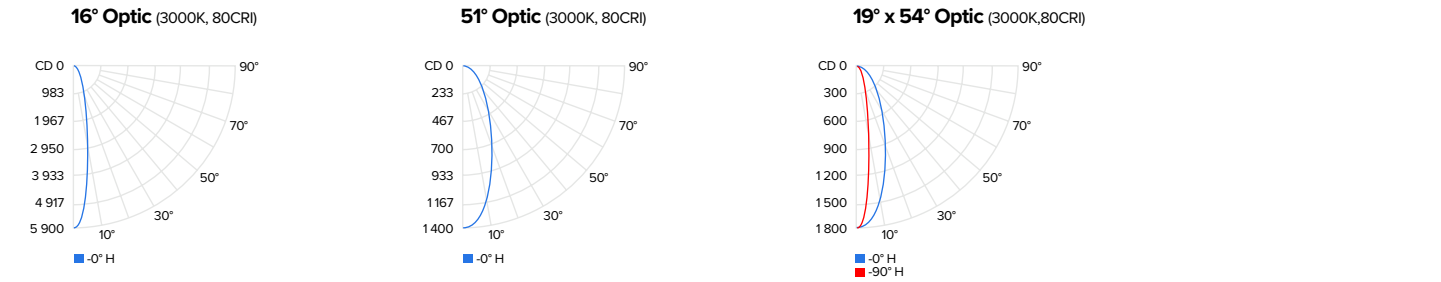
**REM** - Installed directly to solid surface with recessed channel or gutter.

**REM** - Mounting with flange and stainless steel screws, (S2148) to be ordered separately, [page 1](#). For new installation with poured concrete and recessed channel or gutter.

Project: \_\_\_\_\_  
Type: \_\_\_\_\_

PHOTOMETRIC DATA

CCT (K)	CRI	POWER (W)	OPTIC	LUMENS (lm)	EFFICACY (lm/W)	MAX CANDELA (cd)	BUG	MODELS
3000	90	14.7W	16°	719	49	5 808	B0 U1 G0	S1465W
			51°	995	68	1 357		S1451W, S1456W, S1466W
			19° X 54°	527	36	1 793		S1452W, S1457W, S1467W



CCT options	2700K	3000K	4000K
CRI options	90CRI	90CRI	80CRI
Multiplier	0.94	1	1.04

Use multiplier table for other cct and cri output data. efficacy based on iesna lm-79 test reports.