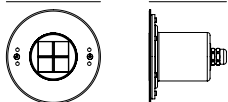


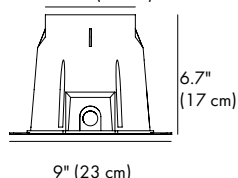
CODE: BO-B4XCA0458F-UL



Ø: 5.3" (13.5 cm) 3" (7.7 cm)



Ø: 5.1" (13 cm)

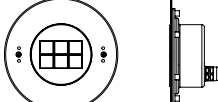


9" (23 cm)

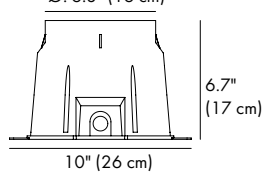
CODE: BO-B4YBA0658F-UL



Ø: 7.1" (18 cm) 3" (7.7 cm)



Ø: 6.3" (16 cm)

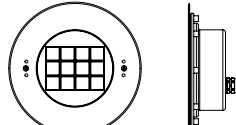


10" (26 cm)

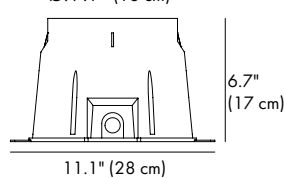
CODE: BO-B4ZBA1258F-UL



Ø: 7.9" (20 cm) 3.2" (8.1 cm)



Ø: 7.1" (18 cm)

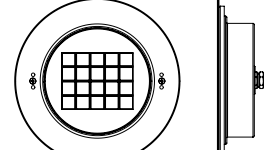


11.1" (28 cm)

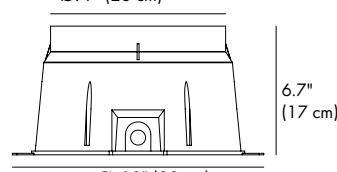
CODE: BO-B4FBA2058F-UL



Ø: 9.8" (25 cm) 3.15" (8 cm)



Ø: 9" (23 cm)



Ø: 13" (33 cm)

LIGHT SOURCE:

4 × 2.7W OSRAM

LENS:

FB13B6

SELECTED DEGREE:(°)

20°

INPUT VOLTAGE:

110-277V

OPERATING CURRENT:

510 mA

CONSUMPTION:

12.2W

LUMINANCE:

997 lm

IK:

08

LIGHT SOURCE:

6 × 3W OSRAM

LENS:

FB14B7

SELECTED DEGREE:(°)

20°

INPUT VOLTAGE:

110-277V

OPERATING CURRENT:

1020 mA

CONSUMPTION:

24.5W

LUMINANCE:

1354 lm

IK:

08

LIGHT SOURCE:

12 × 2.5W OSRAM

LENS:

FB13B6

SELECTED DEGREE:(°)

20°

INPUT VOLTAGE:

110-277V

OPERATING CURRENT:

1520 mA

CONSUMPTION:

36.5W

LUMINANCE:

2522 lm

IK:

08

LIGHT SOURCE:

20 × 3W OSRAM

LENS:

FB13B6 / FB14B7

SELECTED DEGREE:(°)

20°

INPUT VOLTAGE:

110-277V

OPERATING CURRENT:

3050 mA

CONSUMPTION:

73.2W

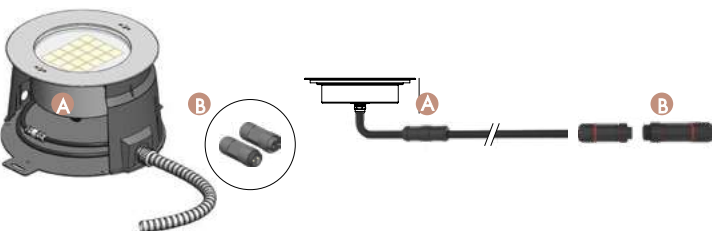
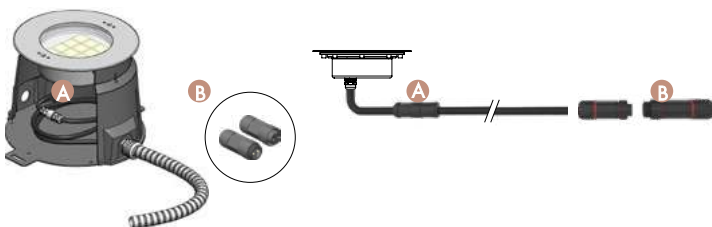
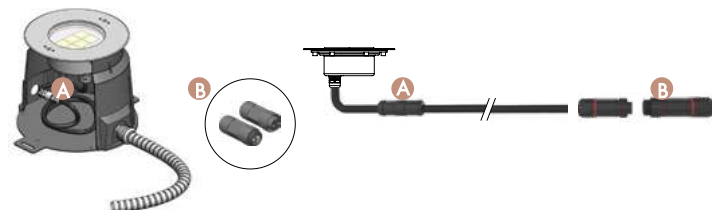
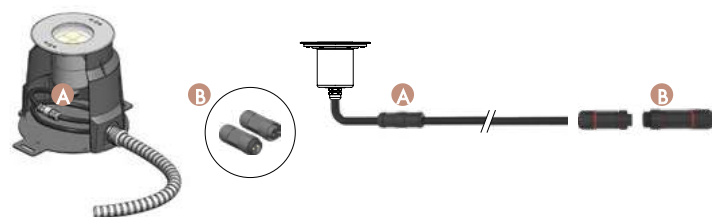
LUMINANCE:

5561 lm

IK:

08

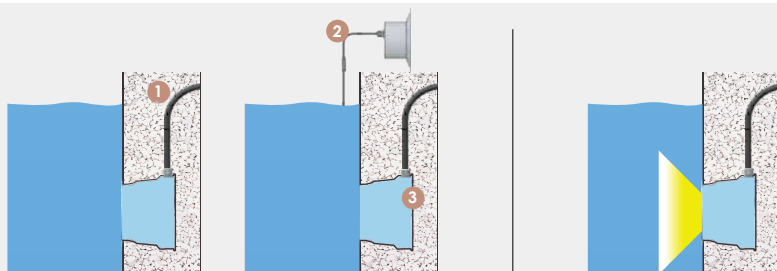
WATER PROOF SOLUTION



- A Water-Stopper(Included)**
A IP-67 water-stopper is added in the end of luminaires as standard assembly which is also an important system for water resistance.
- B IP68 Jiffy quick plug/socket connector (Option)**
A IP-68 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

- C Fixator:** Easier mounting sleeve installment.
- D IP68 cable gland:** Prevents water from getting into the cable tube. Please prepare your own cable tube.

INSTALLATIONS GUIDANCE



- 1 Power cable must be higher than water.
- 2 With certainable length for maintainance at shore.
- 3 The light must stay under water to prevent the chip from overheating.

sales@gordonbullarda.com
www.bullardoutdoor.com
1-877-964-4646

991 South Gull Lake Dr
Richland, MI 49083
USA

LIGHTING INFORMATION

FRONT COVER & HOUSING	Hard chromeplated molding shaped stainless steel SUS 316L#
LIGHT WINDOW	BO-B4XCA0458F-UL, BO-B4YBA0658F-UL: step tempered glass. T=8mm BO-B4ZBA1258F-UL, BO-B4FBA2058F-UL: step tempered glass. T=10mm
CABLE GLAND	IP68 PG-11 copper with nickel-coated
GASKET	Silicone gasket
RECESSED SLEEVE	B4XCA0458F: PC/ABS ALLOYS 116# B4YBA0658F: PC/ABS ALLOYS 118# B4ZBA1258F: PC/ABS ALLOYS 119# B4FBA2058F: PC/ABS ALLOYS 179#
LENS	All-in-one OPTICS lens,efficiency≥85%
CCT	3000K / 3500K / 4000K / 5000K / Custom on request
PCB	Excellent heat conductivity aluminum.coefficient of heatConductivity≥2.0w/mk
LED DRIVER	Constant Voltage Input,Constant Current Output
OPERATING TEMPERATURE	Temperature of water between -20℃~40℃ less than 1 meter depth
BUILT-IN OVERHEAT SENSOR SYSTEM	Automatic Shutdown at 75℃
POWER CABLE OPTIONAL	Outside of luminaire - H07RN-F 2×1.0mm ² with water-stopper, L=1m, 3m, 5m
DIMMING SUPPORT	Triac PWM, 1-10V,Dali ,Customized

OPTICS

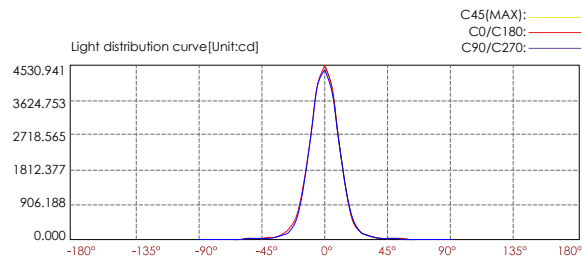
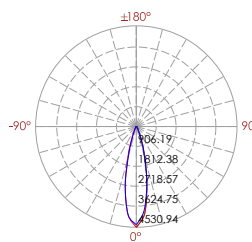
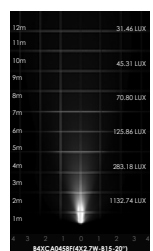
Referenced Degree(°)θ1/2

	FB13B6	20°	50°
	FB14B7		50°

CRI

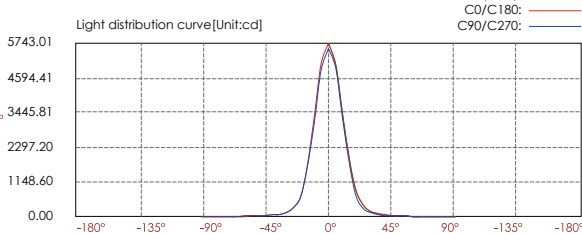
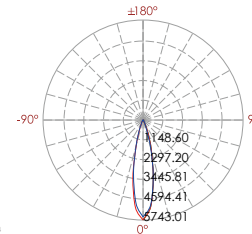
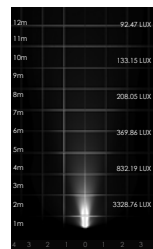
90

PHOTOMETRIC



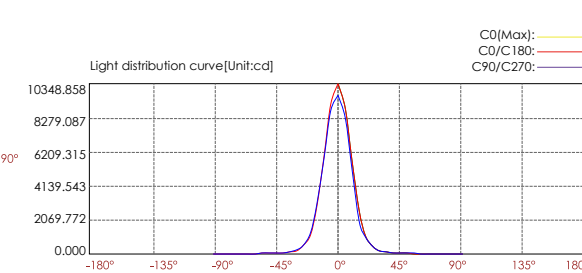
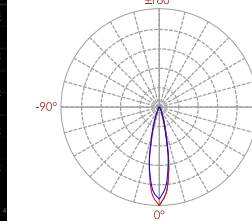
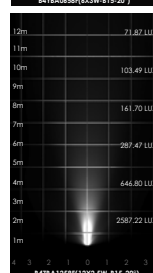
Lux distance cure

Distance (m)	Center beam LUX	Beam width V (m)	Beam width H (m)
2m	1132.74 LUX	0.8m	0.8m
4m	283.18 LUX	1.6m	1.6m
6m	125.86 LUX	2.4m	2.4m
8m	70.80 LUX	3.2m	3.2m
10m	45.31 LUX	4.1m	4.1m
12m	31.46 LUX	4.9m	4.9m



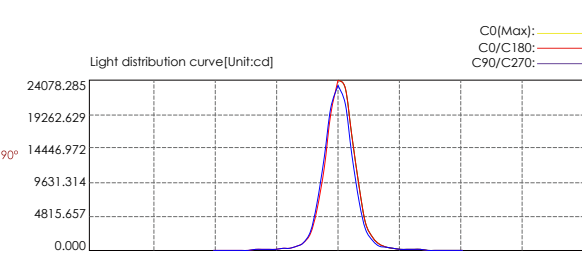
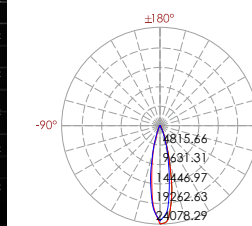
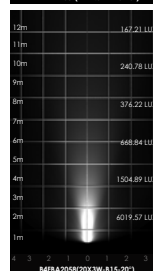
Lux distance cure

Distance (m)	Center beam LUX	Beam width V (m)	Beam width H (m)
2m	1435.75 LUX	0.8m	0.8m
4m	358.94 LUX	1.7m	1.6m
6m	159.53 LUX	2.5m	2.4m
8m	89.73 LUX	3.3m	3.2m
10m	57.43 LUX	4.2m	4.0m
12m	39.88 LUX	5.0m	4.8m



Lux distance cure

Distance (m)	Center beam LUX	Beam width V (m)	Beam width H (m)
2m	2587.22 LUX	0.8m	0.8m
4m	646.80 LUX	1.7m	1.6m
6m	287.47 LUX	2.5m	2.4m
8m	161.70 LUX	3.3m	3.2m
10m	103.49 LUX	4.2m	4.0m
12m	71.87 LUX	5.0m	4.8m



Lux distance cure

Distance (m)	Center beam LUX	Beam width V (m)	Beam width H (m)
2m	6019.57 LUX	0.8m	0.8m
4m	1504.89 LUX	1.6m	1.6m
6m	668.84 LUX	2.5m	2.4m
8m	376.22 LUX	3.3m	3.2m
10m	240.78 LUX	4.1m	4.0m
12m	167.21 LUX	4.9m	4.8m

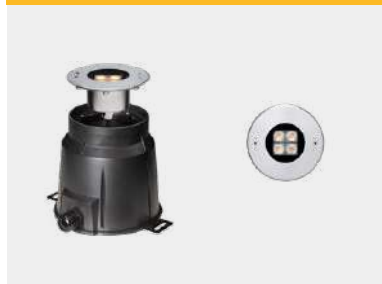
sales@gordonbullarda.com
www.bullardoutdoor.com
1-877-964-4646

991 South Gull Lake Dr
Richland, MI 49083
USA

HOW TO ORDER:

CODE:

CODE: BO-B4AC0158F-UL



(Small)

CODE: BO-B4AC0158F-UL



CODE: BO-B4AC0158F-UL



CODE: BO-B4AC0158F-UL



EXAMPLE:

BO-B4AC0158F-UL-K30-DIM-A-B

BO-B4AC0158F-
UL-K30-DIM-A-B

1.CHOOSE FIXTURE MODEL:

BO-B4AC0158F-UL

2.CHOOSE CCT:

-K30	3000K
-K35	3500K
-K40	4000K
-K50	5000K
-CUS*	Custom on request

3.DIMMING OPTIONS:

-PWM	Triac PWM
-DIM	1-10V
-DALI	DALI
-CUS*	Custom on request

4.WATER PROOF SOLUTION (included):

- A **Water-Stopper (Included)**
IP-67 water-stopper is added in the end of luminaires as standard assembly which is also an important system for water resistance.

