

The Bezel BZ2 is a recessed, wall-mounted luminaire that provides a powerful and versatile solution for low mounting heights. The unique floor-graze optic reduces the required height of architectural elements to house and install the luminaire. The luminaire's performance wall optic offers best-in-class uniformity and high output to satisfy difficult municipal codes for egress and way-finding. Short and long shroud faceplate designs to maximize performance in any application. The slim, unobtrusive low-profile design offers minimalist aesthetics to accommodate other elements inside the wall.

Performance

Static White & Color	Lumen Output (lm)	Efficacy (lm/W)	Peak Intensity (cd)
2,200 K (80 CRI)	-	-	-
2,700 K (80 CRI)	760	63	1,029
3,000 K (80 CRI)[1]	825	69	1,117
3,500 K (80 CRI)[1]	-	-	-
4,000 K (80 CRI)[1]	825	69	1,117

[1] Lumen output values are based on 10 W luminaire with the Performance Wash optic and a white finish.

cooldrive™ microantileach™ humantouch™

Products and specifications are subject to change without notice.
LS1230_261111

Electrical

LED Power	5 W, 10 W
Power Consumption	< 9 W, < 12 W
Lifetime (L70)	>60,000 hrs (B10, L70)
Input Voltage	220-240 Vac, 50 Hz (International) 120/277 Vac, 60 Hz (North America)
Thermal Management	**CoolDrive**™ onboard thermal monitoring and control

Control

Dimming	0-10 V, Phase (forward or reverse), and/or Luxor® (See Specification Matrix for compatibility requirements)
Systems	Range of third-party controllers

Please Note: Some protocols require additional hardware. For more information and other available protocols contact Lumascape.

Physical

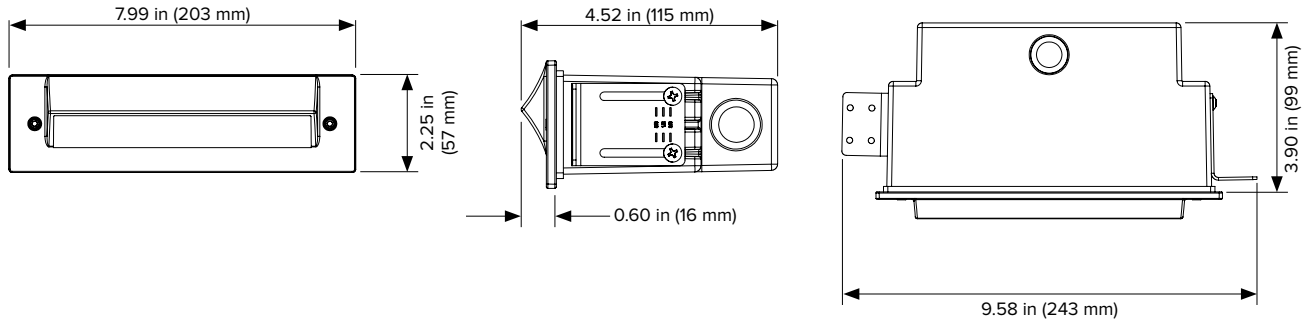
Housing	Die-cast aluminium A380 housing with polycarbonate construction sleeve
Faceplate	Die-cast aluminium A380 faceplate.
LED	Lumiled ZES
Optics	75° beam angle with 130° field angle. Select either floor graze (FG) or performance wash (PW) optical pattern, depending on mounting height. For mounting heights between 2" (50 mm) and 6" (150 mm), select the FG optic. It is recommended to select the PW option for mounting heights above 12" (305 mm). The long shield (LS) increases the glare protection, with the tradeoff of reducing the forward throw. See .ies files for more information.
Lens	Tempered glass lens with shock resistance and high tolerance for thermal expansion and stress. Lens is frosted.
Finish	Two-layer, marine-grade, protection of sulfuric acid anodization and polyester TGIC powder-coat, providing superior outdoor weathering in all conditions. Tested to ASTM standards.
Installation	Recessed
Installation Requirements	Designed for recessed, downward-facing installations only. Mounting kit required and sold separately.
Mounting Kit	Polycarbonate construction sleeve designed for pre-installation in concrete, masonry, and framed wall applications. Features vertical and horizontal ½” (12.5 mm) NPT knockouts. Construction cover included.
Exposed Dimension	Standard: 0.6" (16 mm) Long: 0.9" (23 mm)
Ambient Operating Temperature	-13 °F to 140 °F (-25 °C to 60 °C)
Weight	1.8 lbs (0.8 kg)

Certification & Compliance

IP Rating	IP66
IK Rating	IK9
Environment	Dry, Damp, Wet locations
Certifications	UL, UL-NOM (3 W Only), CE, RCM, FCC
BUG Ratings	ST (Shield) and FG (Optic) B0-U3-G3 ST (Shield) and PW (Optic) B0-U2-G3 LS (Shield) and FG (Optic) B0-U3-G2 LS (Shield) and PW (Optic) B0-U2-G2

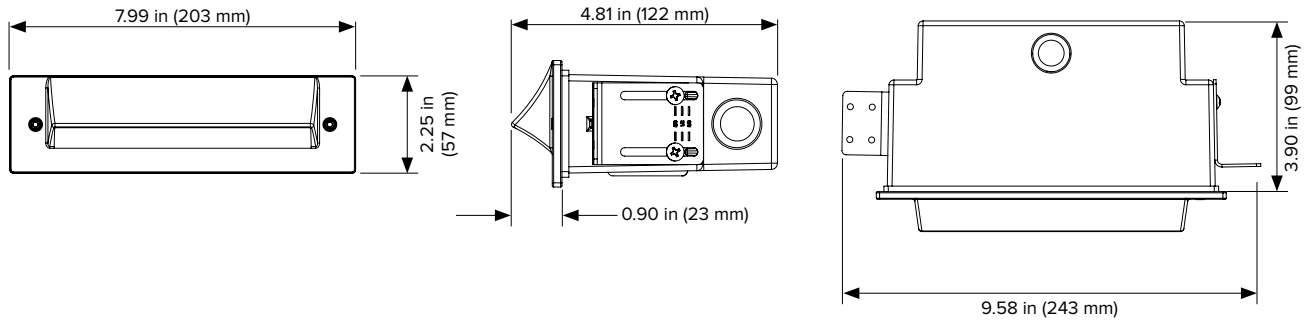
Dimensions

Standard Shield



Front View | Side View | Top View

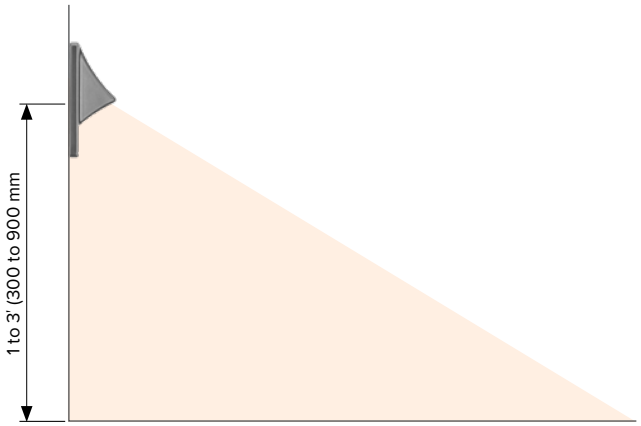
Long Shield



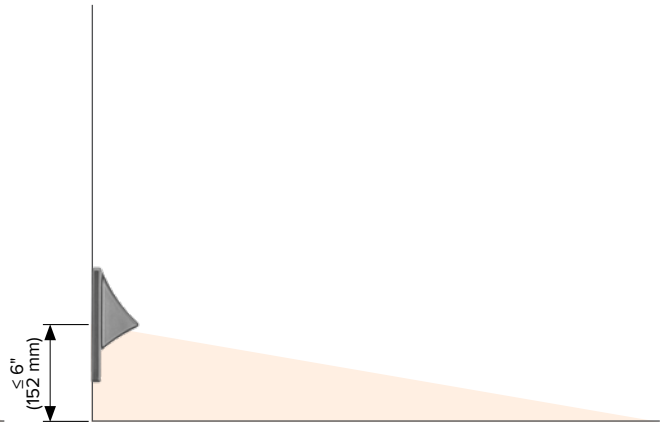
Front View | Side View | Top View

Optics Packages

Performance Wash



Floor Graze



Specification Matrix



Light Engine	Code
5 W	05
10 W	10

Series	Code
Designer	D

Static White & Color	Code
2,200 K (80 CRI)	822
2,700 K (80 CRI)	827
3,000 K (80 CRI)	830
3,500 K (80 CRI)	835
4,000 K (80 CRI)	840

Shielding	Code
Standard	ST
Long	LG

Optics	Code
Floor Graze	FG
Performance Wash	PW

Input Voltage	Code
220-240 Vac, 50 Hz (International)	01
120-277 Vac, 60 Hz (North America)	09

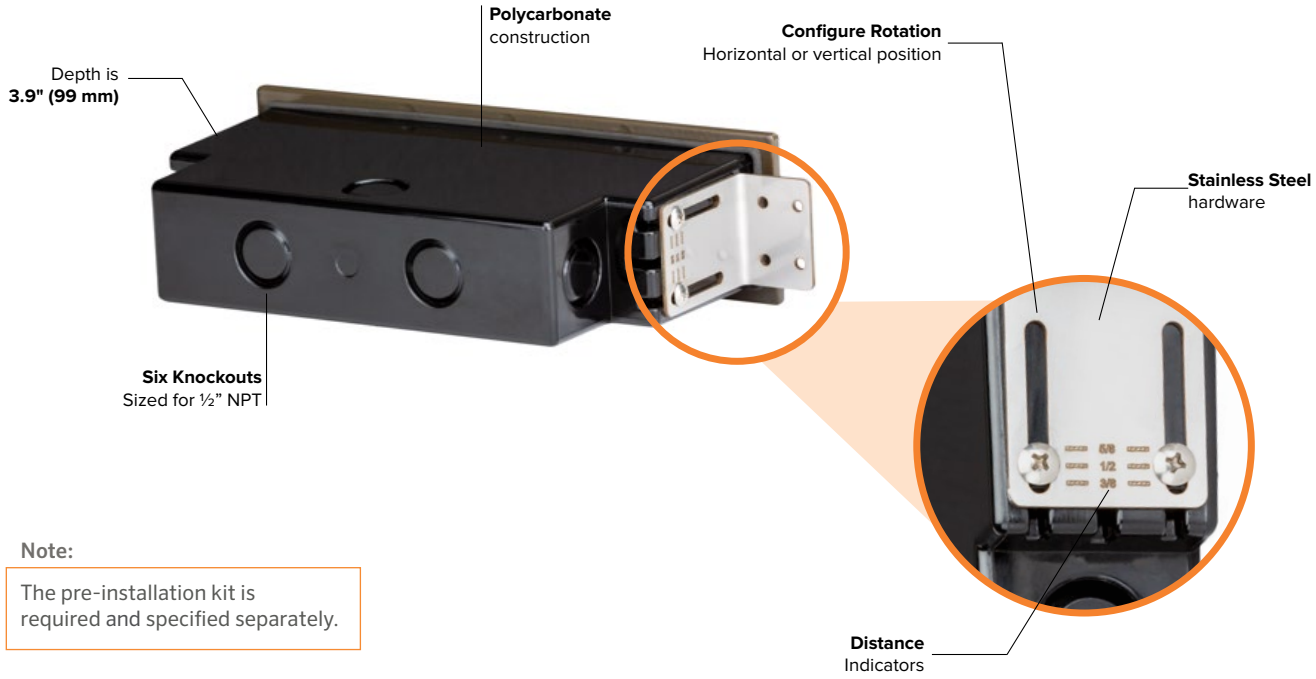
Control	Code
Non-Dimmable (5 W only)	AH
0-10 V (10 W only)	AH
Phase Dimmable (5 W only)	PD
Phase Dimmable & 0-10 V (10 W only)	PA

Finish	Code
Black	BL
Anthracite Gray	AG
Basalt Gray	BT
Graphite Gray	GH
Anodic Silver	SL
White	WT
Dark Bronze	DB
Latte	LT
Dark Aluminum	DA
Custom RAL	CC[1]

[1] RAL color required

Accessories

Mounting Kit
Used for mounting the Bezel BZ2 step light into a wall during pre-installation.



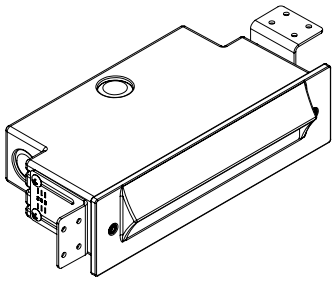
Note:

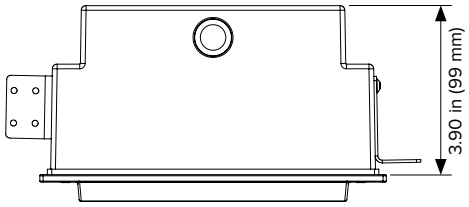
The pre-installation kit is required and specified separately.

Specification Matrix

	LS6331
Mounting	Code
Pre-Install Kit	LS6331

Technical Drawings





Height and Spacing Matrix

Optic: Floor Graze | **Output:** 5 W

Mounting Height*	6' (1.8 m) Spacing				8' (2.4 m) Spacing				10' (3.0 m) Spacing				12' (3.6 m) Spacing			
	Min	Ave	Ave/ Min	Max/ Min	Min	Ave	Ave/ Min	Max/ Min	Min	Ave	Ave/ Min	Max/ Min	Min	Ave	Ave/ Min	Max/ Min
2" (50 mm)	0.7 fc (8 lx)	4.7 fc (51 lx)	6.5	21.3	0.5 fc (5 lx)	3.5 fc (38 lx)	6.9	30.0	0.1 fc (1 lx)	3.4 fc (37 lx)	28.3	127.5	0.1 fc (1 lx)	2.4 fc (26 lx)	33.6	218.6
3" (75 mm)	1.1 fc (12 lx)	5.4 fc (58 lx)	5.0	16.5	0.7 fc (8 lx)	4.1 fc (44 lx)	5.6	24.2	0.2 fc (2 lx)	3.9 fc (42 lx)	21.4	97.7	0.1 fc (1 lx)	2.7 fc (29 lx)	24.6	159.6
4" (100 mm)	1.4 fc (15 lx)	5.6 fc (60 lx)	3.9	12.6	0.9 fc (10 lx)	4.2 fc (45 lx)	4.6	19.3	0.3 fc (3 lx)	4.0 fc (43 lx)	15.8	70.6	0.2 fc (2 lx)	2.8 fc (30 lx)	18.9	117.5
6" (150 mm)	1.7 fc (18 lx)	5.2 fc (56 lx)	3.0	5.6	1.0 fc (11 lx)	3.9 fc (42 lx)	3.7	9.1	0.4 fc (4 lx)	3.5 fc (38 lx)	10.1	26.6	0.2 fc (2 lx)	2.6 fc (28 lx)	11.8	42.2

.IES file name: LS123005D840STFG09PDWT

Optic: Floor Graze | **Output:** 10 W

Mounting Height*	6' (1.8 m) Spacing				8' (2.4 m) Spacing				10' (3.0 m) Spacing				12' (3.6 m) Spacing			
	Min	Ave	Ave/ Min	Max/ Min	Min	Ave	Ave/ Min	Max/ Min	Min	Ave	Ave/ Min	Max/ Min	Min	Ave	Ave/ Min	Max/ Min
2" (50 mm)	0.9 fc (10 lx)	5.0 fc (54 lx)	5.4	16.6	0.5 fc (5 lx)	3.8 fc (41 lx)	6.9	28.0	0.1 fc (1 lx)	3.6 fc (39 lx)	25.6	107.7	0.1 fc (1 lx)	2.5 fc (27 lx)	15.1	27.8
3" (75 mm)	1.3 fc (14 lx)	5.4 fc (58 lx)	4.0	11.5	0.8 fc (9 lx)	4.1 fc (44 lx)	5.3	19.7	0.2 fc (2 lx)	3.8 fc (41 lx)	17.4	68.7	0.1 fc (1 lx)	2.7 fc (29 lx)	20.9	116.1
4" (100 mm)	1.4 fc (15 lx)	5.6 fc (60 lx)	3.9	12.6	1.0 fc (11 lx)	4.2 fc (45 lx)	4.6	19.3	0.3 fc (3 lx)	4.0 fc (43 lx)	15.8	70.6	0.2 fc (2 lx)	2.8 fc (30 lx)	18.9	117.5
6" (150 mm)	1.7 fc (18 lx)	5.2 fc (56 lx)	3.0	5.6	1.0 fc (11 lx)	3.9 fc (42 lx)	3.7	9.1	0.4 fc (4 lx)	3.5 fc (38 lx)	10.1	26.6	0.2 fc (2 lx)	2.6 fc (28 lx)	11.8	42.2

.IES file name: LS123010D840STFG09PDWT

Optic: Performance Wash | **Output:** 5 W

Mounting Height*	6' (1.8 m) Spacing				8' (2.4 m) Spacing				10' (3.0 m) Spacing				12' (3.6 m) Spacing			
	Min	Ave	Ave/ Min	Max/ Min	Min	Ave	Ave/ Min	Max/ Min	Min	Ave	Ave/ Min	Max/ Min	Min	Ave	Ave/ Min	Max/ Min
10" (250 mm)	1.2 fc (13 lx)	8.2 fc (88 lx)	6.9	18.6	0.7 fc (8 lx)	6.1 fc (66 lx)	9.2	32.1	0.2 fc (2 lx)	5.6 fc (60 lx)	32.9	126.4	0.1 fc (1 lx)	4.1 fc (44 lx)	34.3	178.8
12" (300 mm)	1.3 fc (14 lx)	7.7 fc (83 lx)	6.1	14.1	0.7 fc (8 lx)	5.8 fc (62 lx)	7.9	23.8	0.2 fc (2 lx)	5.2 fc (56 lx)	25.9	86.7	0.1 fc (1 lx)	3.9 fc (42 lx)	17.3	27.7
18" (450 mm)	1.3 fc (14 lx)	6.5 fc (70 lx)	5.1	7.7	0.8 fc (9 lx)	4.9 fc (53 lx)	6.3	11.8	0.3 fc (3 lx)	4.2 fc (45 lx)	14.1	30.2	0.2 fc (2 lx)	3.3 fc (36 lx)	16.6	45.2
24" (600 mm)	1.2 fc (13 lx)	5.2 fc (56 lx)	4.4	6.2	0.8 fc (9 lx)	3.9 fc (42 lx)	5.2	7.8	0.4 fc (4 lx)	3.3 fc (36 lx)	9.3	15.7	0.2 fc (2 lx)	2.6 fc (28 lx)	11.0	22.5
30" (750 mm)	0.9 fc (10 lx)	4.0 fc (43 lx)	4.5	6.4	0.6 fc (6 lx)	3.1 fc (33 lx)	5.0	7.1	0.4 fc (4 lx)	2.5 fc (27 lx)	7.2	10.6	0.3 fc (3 lx)	2.1 fc (23 lx)	8.3	14.0
36" (900 mm)	0.9 fc (10 lx)	3.2 fc (34 lx)	3.7	5.6	0.6 fc (6 lx)	2.4 fc (26 lx)	4.2	6.2	0.3 fc (3 lx)	2.0 fc (22 lx)	5.9	8.8	0.3 fc (3 lx)	1.7 fc (18 lx)	6.4	10.3

.IES file name: LS123005D840STPW09PDWT

Optic: Performance Wash | **Output:** 10 W

Mounting Height*	6' (1.8 m) Spacing				8' (2.4 m) Spacing				10' (3.0 m) Spacing				12' (3.6 m) Spacing			
	Min	Ave	Ave/ Min	Max/ Min	Min	Ave	Ave/ Min	Max/ Min	Min	Ave	Ave/ Min	Max/ Min	Min	Ave	Ave/ Min	Max/ Min
10" (250 mm)	2.7 fc (29 lx)	12.8 fc (138 lx)	4.8	10.8	1.5 fc (16 lx)	9.6 fc (103 lx)	6.5	19.5	0.3 fc (3 lx)	8.9 fc (96 lx)	29.7	95.6	0.2 fc (2 lx)	6.4 fc (69 lx)	33.8	150.8
12" (300 mm)	2.8 fc (30 lx)	11.5 fc (124 lx)	4.1	8.1	1.6 fc (17 lx)	8.6 fc (93 lx)	5.5	13.8	0.4 fc (4 lx)	7.8 fc (84 lx)	21.7	59.8	0.2 fc (2 lx)	5.8 fc (62 lx)	25.1	93.3
18" (450 mm)	2.6 fc (28 lx)	9.5 fc (102 lx)	3.6	6.1	1.5 fc (16 lx)	7.2 fc (78 lx)	4.6	9.5	0.5 fc (5 lx)	6.1 fc (66 lx)	13.0	30.3	0.3 fc (3 lx)	4.8 fc (52 lx)	15.5	45.6
24" (600 mm)	1.9 fc (20 lx)	7.9 fc (85 lx)	4.2	6.0	1.2 fc (13 lx)	6.0 fc (65 lx)	5.0	7.6	0.5 fc (5 lx)	5.0 fc (54 lx)	9.3	16.0	0.4 fc (4 lx)	4.1 fc (44 lx)	11.3	23.7
30" (750 mm)	1.4 fc (15 lx)	6.2 fc (67 lx)	4.4	6.5	1.0 fc (11 lx)	4.7 fc (51 lx)	4.9	7.2	0.5 fc (5 lx)	3.9 fc (42 lx)	7.3	11.3	0.4 fc (4 lx)	3.2 fc (34 lx)	8.6	15.2
36" (900 mm)	1.1 fc (12 lx)	4.8 fc (52 lx)	4.4	6.9	0.8 fc (9 lx)	3.7 fc (40 lx)	4.7	7.2	0.5 fc (5 lx)	3.0 fc (32 lx)	5.8	9.0	0.4 fc (4 lx)	2.5 fc (27 lx)	6.8	11.4

.IES file name: LS123010D840STPW09PDWT

Assumptions:

Shield:	Standard
Pathway length:	24' (7.3 m)
Pathway width:	8' (2.4 m)
Point spacing:	2.0' x 1.3' (0.6 x 0.4 m)
Spacing:	On Center
*Mounting Height:	Center of luminous opening

lumascape.com/spacing

Luminaire Wire Colours & Designations

Line Voltage 220-240 Vac – International

Designation	Color
Active	Brown
Neutral	Blue
Earth	Green / Yellow
0-10 V +	Purple
0-10 V –	Grey



Line Voltage 120/277 Vac – North America

Designation	Color
Active	Black
Neutral	White
Earth	Green
0-10 V +	Purple
0-10 V –	Pink or Grey

