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Brussels

Vandal Wall Direct/Indirect
INDOOR/OUTDOOR LED Luminaire

CATALOG #		TYPE
PROJECT/LOCATION		
APPROVED BY		

SPECIFICATIONS

- DRIVER — Universal Voltage 120/277V electronic driver with 0-10V dimming is standard.
- FINISH — White—Standard. Optional Black, Bronze, Painted Natural Aluminum.
- HOUSING — Heavy Gauge aluminum houses all wiring and components.
- LENS — .156 Prismatic Polycarbonate Lens (PGC) is standard and includes Glare Control.
- LIGHT ENGINE — Energy efficient LED.
- COMPLIANCE — Built to comply with U.S. and Canadian safety standards. Suitable for Wet Locations. **Made in USA / Buy America Compliant / Buy American Act.**

ORDERING INFO

ORDERING GUIDE:

Series	Style	Lens	Length	Wattage	CCT	CRI	Voltage	Finish	Options

SERIES
BU = Brussels Series

STYLE
D = Direct (Downlight) — STANDARD
DF = Down / Forward Throw Light
DI = Direct (Downlight) / Indirect (Uplight)
IF = Indirect Forward (Uplight / Forward Throw Light)
I = Indirect (Uplight Only)

LENS
PGC = Prismatic Polycarbonate — STANDARD
— Includes Glare Control

LENGTH
1 = 14″L x 4.8″H x 4″D (Not Available with Integral EM)
2 = 24″L x 4.8″H x 4″D
3 = 36″L x 4.8″H x 4″D
4 = 48″L x 4.8″H x 4″D
TDM(xx) = Tandem Joined Fixtures[2]
— xx = Total Run Length (inches), ex: TDM96

WATTAGE
Refer to Below Chart for Size / Wattage Compatibility
LED(xx) = LED (xx = Wattage, ex: LED30)

COLOR TEMPERATURE (CCT)
3K = ±3000K range
35K = ±3500K range
4K = ±4000K range
5K = ±5000K range

COLOR RENDERING INDEX (CRI)
80CRI = 80 Color Rendering Index (STANDARD)
90CRI = 90 Color Rendering Index (Not Available for 5K)

VOLTAGE
347 = 347 Volt
UNV = Universal Volt (120-277v) Electronic Driver
2UNV = Two Universal Volt (120-277v) Electronic Drivers

STANDARD FINISH
BK = Black Finish
BZ = Bronze Finish
PNA = Painted Natural Aluminum
WH = White Finish — STANDARD

PREMIUM UPCHARGE FINISH
CC = Custom Color (Visit **www.ralcolor.com**)
— Provide RAL# or Make-to-Match Color Chip
+**AMW** = Anti-Microbial White
+NAT= Epoxy Coating for Natatorium

PHOTOCELL OPTION
9328 = Photocell Button (120/277V)[2]

CONTROL OPTIONS (Choose from Manual or Sensor)
MANUAL CONTROL (Wall Switch or Control System)
Note: Cannot be used with Sensor Controls below
Note: 0-10V (100-30%) Dimming is Standard
D7A = 0-10VDC LED Dimming Driver (100-10%)
D7B= 0-10VDC LED Dimming Driver (100-1%)
BLS = Bi-Level Switching (Includes Two Drivers)[2]

OR

Sensor Control (Sensor Integral to Fixture)
Note: Cannot be used with Manual Controls above
OCC = Occupancy Sensing | Motion Sensor Integral[2][20]
— Microwave / Single Feed / 120/277V Only
— Standby Dim Level Presets: ON/OFF (0%/100%)
BLD = Bi-Level Dimming | Motion Sensor Integral[2][20]
— Microwave / Single Feed / 120/277V Only
— Standby Dim Level Presets:
10% / 20% / 30% (Standard) / 50%
BLDA = Bi-Level Dimming | Motion Sensor Integral[2][20]
— Ambient Light Sensing Feature (AMB)
— Microwave / Single Feed / 120/277V Only
— Standby Dim Level Presets: 10% / 20% / 30% / 50%
— BLDA Requires Photocell Option (9328)

BACK BOX OPTIONS
Note: Inclusion of Back Box disqualifies ADA Compliance.
BB1 = 14″ X 1.75″ Back Box
BB2 = 24″ X 1.75″ Back Box
BB3 = 36″ X 1.75″ Back Box
BB4 = 48″ X 1.75″ Back Box

MISC OPTIONS
FUS = Single Fusing
PS = On/Off Push Switch (120V Only)

EMERGENCY BATTERY OPTIONS [50][55]
Meets California Energy Commission Title 20:
(CEC-400-2014-009-CMF) Efficiency Standards
EL8W = Integral LED 8 Watt[2]
EL10W = Integral LED 10 Watt[2]
EL16W = Integral LED 16 Watt[2]

REL8W = Remote LED 8 Watt
REL10W = Remote LED 10 Watt
REL16W = Remote LED 16 Watt

Cold Weather Emergency Batteries:
Operating Temp: -20°C thru 50°C / *NON-CEC Compliant*
EL10W-CW = Integral LED 10 Watt (Cold Weather)[2]
REL10W-CW = Remote LED 10 Watt (Cold Weather)

ACCESSORY OPTIONS (order as a separate line)
9002 = Tamperproof Screwdriver

NOTES:
[2] Backbox (BB) Required.
[20] Max mounting height of fixture is 18′ (18 feet)
[50] Max WHIP length of the REL is 8 feet.
[55] Final selection of the Battery Pack under discretion of Factory

WATTAGE					
Fixture		**1 Foot**	**2 Foot**	**3 Foot**	**4 Foot**
Dimensions L x H x D		**14” x 4.5” x 4”**	**24” x 4.8” x 4”**	**36” x 4.8” x 4”**	**48” x 4.8” x 4”**
Light Emitting Diode	**LED**	20w	20w / 30w / 40w	30w / 40w	40w / 50w

ECLIPSE™ LIGHTING
2925 Lucy Lane | Franklin Park, IL 60131
P: 847-260-0336 I F:847-260-0344 | E: quotes@eclipselightinginc.com | W: eclipselightinginc.com

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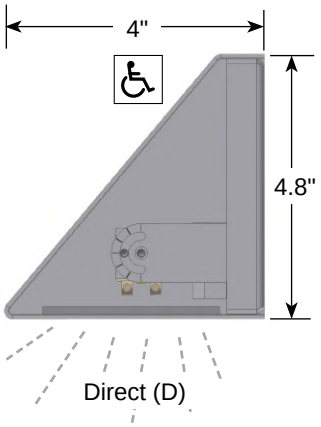
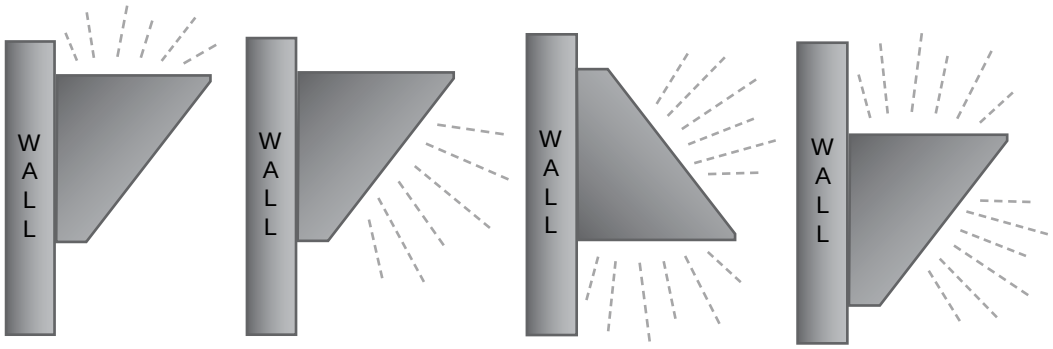
DIMENSIONS



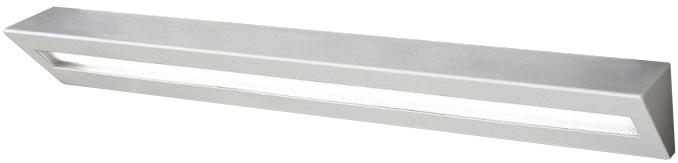
Direct (D)

STYLE

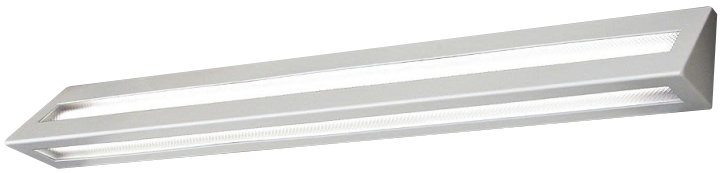


Indirect (I) | Down Forward (DF) | Direct / Indirect (DI) | Indirect Forward (IF)

BRUSSELS DIRECT / INDIRECT MODELS

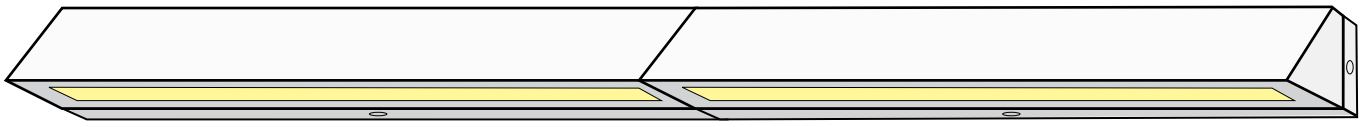


Brussels 4-Foot Down / Forward (DF)
Angled Downward Throw Light



Brussels 4-Foot Direct / Indirect Style (DI)
Downlight & Uplight

TANDEM OPTION



Tandem Mounting Option (TDM)
Requires Back Box (BB)

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LED WATTAGE/LUMEN DATA CHARTS

LED Watts vs. LED Color Temp — Lumen Output				
Color Temperature	**3000K (3K)**	**3500K (35K)**	**4000K (4K)**	**5000K (5K)**
15 Watt	2298 Lumens	2333 Lumens	2381 Lumens	2452 Lumens
20 Watt	3461 Lumens	3503 Lumens	3578 Lumens	3685 Lumens
30 Watt	4607 Lumens	4677 Lumens	4776 Lumens	4919 Lumens
40 Watt	5722 Lumens	5793 Lumens	5917 Lumens	6099 Lumens

NOTE: Lumen Output listed is estimated based upon delivered lumens at 25°C. See Lumen Ambient Temperature Multipliers Table to determine lumen output for other ambient temps.

Lumen Ambient Temperature (LAT) Multipliers	
Ambient Temperature	**Lumen Multiplier**
0°C / 32°F	1.05
10°C / 50°F	1.03
20°C / 68°F	1.01
25°C / 77°F	**1.00**
30°C / 86°F	0.99
40°C / 104°F	0.96

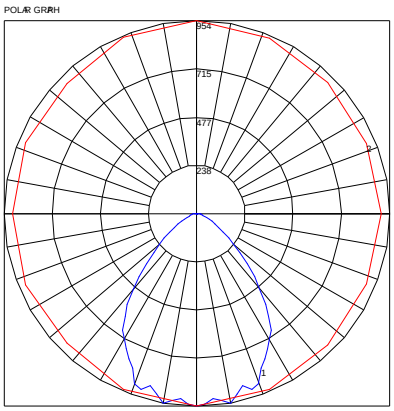
NOTE: Use these multipliers to determine relative lumen output for average ambient temps for 0-40°C (32-104°F).

Projected LED Lumen Maintenance	
Operating Hours	**Lumen Maintenance Factor**
0 Hrs	1.0
25,000 Hrs	0.97
50,000 Hrs	0.95
100,000 Hrs	0.90

PHOTOMETRIC DATA

Summary of Results | BU-D-PGC-2-LED20-4K-80CRI-UNV-D7					
Lumen Output	**Efficacy**	**Input Power**	**CCT**	**Distribution**	**BUG Rating**
1939.2 Lumens	95.2 Lm/W	20.37W	4098K	Type II	B1-U0-G0

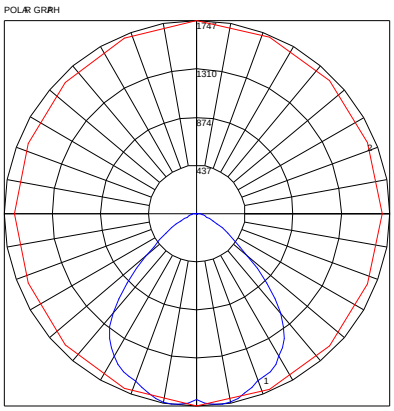
LCS Summary	
Zone	**Lumens**
Forward Low (0-30)	360.5
Forward Medium (30-60)	497.4
Forward High (60-80)	67.9
Forward Very High (80-90)	6.6
Back Low (0-30)	363.7
Back Medium (30-60)	506.2
Back High (60-80)	73.2
Back Very High (80-90)	7.2
Up Low (90-100)	0.0
Up High (100-180)	0.0



Maximum Candela = 953.6 Located At Horizontal Angle = 90, Vertical Angle = 10
1 -Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)

Summary of Results | BU-D-PGC-4-LED40-4K-80CRI-UNV-D7					
Lumen Output	**Efficacy**	**Input Power**	**CCT**	**Distribution**	**BUG Rating**
3757.4 Lumens	96.2 Lm/W	39.06W	4054K	Type VS	B2-U0-G1

LCS Summary	
Zone	**Lumens**
Forward Low (0-30)	675.6
Forward Medium (30-60)	1050.6
Forward High (60-80)	152.2
Forward Very High (80-90)	14.0
Back Low (0-30)	668.6
Back Medium (30-60)	1033.6
Back High (60-80)	150.5
Back Very High (80-90)	13.8
Up Low (90-100)	0.0
Up High (100-180)	0.0



Maximum Candela = 1747.2 Located At Horizontal Angle = 90, Vertical Angle = 7.5
1 -Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)