

Euro Bulkheads

Berlin 2 • Dublin 2 • London 2

EURO VANDAL WALL PACK FAMILY

We reserve the right to revise the design or components of any product without notice.

CATALOG #		TYPE
PROJECT/LOCATION		
APPROVED BY		

SPECIFICATIONS

- DRIVER — Universal Voltage 120/277V Electronic Driver with 0-10V dimming is standard.
- EMERGENCY — Remote or Integral Emergency Battery (LED).
- GASKETING — High temp., non-aging black EPDM and/or neoprene rubber concealed in housing pocket & enclosed by cast-in drip shield & rear wire entrance hole to protect against outside contaminants.
- HOUSING — Heavy wall cast aluminum with wire access on back through threaded 1/2" conduit size entrance hole. Wire access is also available for surface conduit installations by drilling out any of the side knockouts. Bronze oven baked Polyester Powder Coat standard. Available in three styles:
 - Berlin 2 (BE2) = Eyelid
 - Dublin 2 (DU2) = Grid Front Frame*
 - London 2 (LO2) = Open Front Frame*
- LIGHT ENGINE — Energy Efficient Light Emitting Diode (LED).
- LENS — Polycarbonate Opal Lens.
- MOUNTING — Surface Mount.
- COMPLIANCE — Built to comply with U.S. and Canadian safety standards. Suitable for Wet Location. IP66 Rated. Complies with Buy American Act.
- WARRANTY — Standard 5 Years, defects and workmanship.



ARRA **Compliant**

*Suitable for Ceiling Mount Applications

ORDERING INFO

Series	Frame	LED Wattage	CCT	Voltage	Finish	Options
ORDERING GUIDE:						

SERIES

- BE2 = Berlin 2 Series
- DU2 = Dublin 2 Series
- LO2 = London 2 Series

FRAME

- RD = 12" Round
- SQ = 12" Square

LED WATTAGE

LED20 = 20 Watt LED

LED COLOR TEMPERATURE (CCT)

- 3K = ±3000K range
- 35K = ±3500K range (Special Order)
- 4K = ±4000K range
- 5K = ±5000K range

VOLTAGE

- UNV = Universal Volt (120-277V) Driver
- 2UNV = Universal Volt (120-277V) Drivers

FINISH

- BK = Black
- BZ = Bronze (Standard)
- PNA = Painted Natural Aluminum
- SGR = Silver Gray
- WH = White
- CC = Custom Color (Visit www.ralcolor.com)

CONTROL OPTIONS

- 9328 = Photocell Button (120/277V)
- OCC = Occupancy Sensing | Motion Sensor Integral[Ⓢ]
 - Microwave / Single Feed / 120/277V Only
 - Standby Dim Level Presets: ON/OFF (0%/100%)
- BLD = Bi-Level Dimming | Motion Sensor Integral[Ⓢ]
 - Microwave / Single Feed / 120/277V Only
 - Standby Dim Level Presets:
 - 10% / 20% / 30% (Standard) / 50%
- BLS = Bi-Level Switching — Using 2 Drivers (2UNV)

DIMMING OPTIONS

- Note: 0-10V 100%-30% is Standard
- D7A = 0-10VDC LED Dimming Driver (100-10%)
- D7B = 0-10VDC LED Dimming Driver (100-1%)

MISC OPTIONS

- FUS = Single Fusing
- DFUS = Double Fusing
- NAT = Conformal Coating for Natatorium Areas
- SG = 10KA Surge Protection (ANSI spec C62.41.2)
- TP = Tamperproof Screws

EMERGENCY / BATTERY OPTIONS[Ⓢ]

No onsite Emergency Power (AC or DC) is provided

Meets California Energy Commission Title 20:
(CEC-400-2014-009-CMF) Efficiency Standards

- EL4W = Integral LED 4 Watt
- REL8W = Remote LED 8 Watt
- REL16W = Remote LED 16 Watt
- REL20W = Remote LED 20 Watt

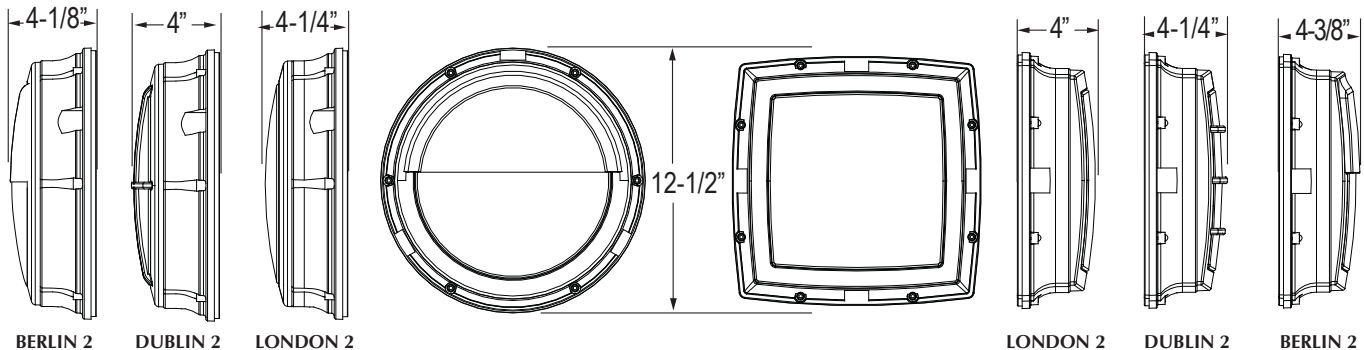
Cold Weather Emergency Batteries:

- Operating Temp: -20°C thru 50°C (NON-CEC Compliant)
- REL10W-CW = Remote LED 10 Watt (Cold Weather)
- REL23W-CW = Remote LED 23 Watt (Cold Weather)

NOTES:

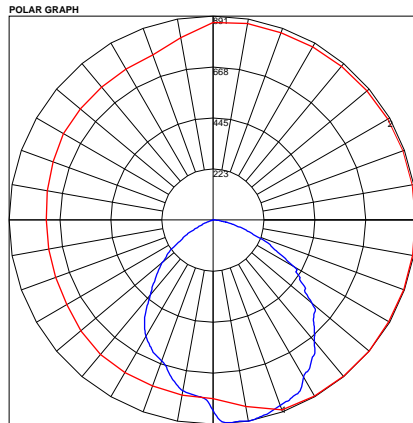
- [Ⓢ] Consult Factory for additional Battery options not shown
- [Ⓢ] Max mounting height of fixture is 18' (18 feet)
- [Ⓢ] Final selection of the Battery Pack under discretion of Factory

DIMENSIONS

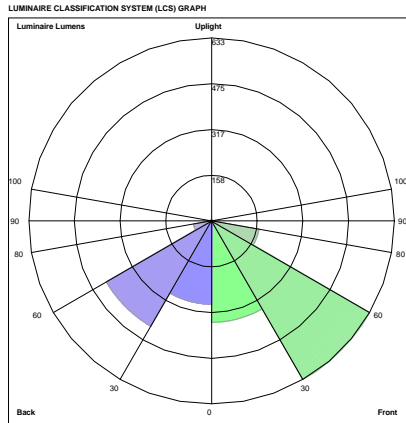


PHOTOMETRIC DATA

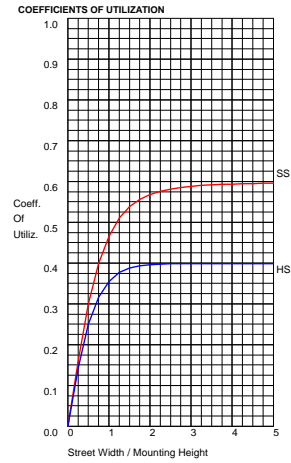
MODEL: BERLIN 2 / CATALOGUE #: BE2-LED20-5K / TEST # S17040016B-01-5K / TEST DATE: 4/13/2017							
Lamp Output	Lumen Efficacy	Input Voltage	Input Wattage	Power Factor	BUG Rating	Color Temp	IES Classification
1935 Lumens	99 LPW	120V	19.57W	1.00	B1-U1-G1	5000K	Type II



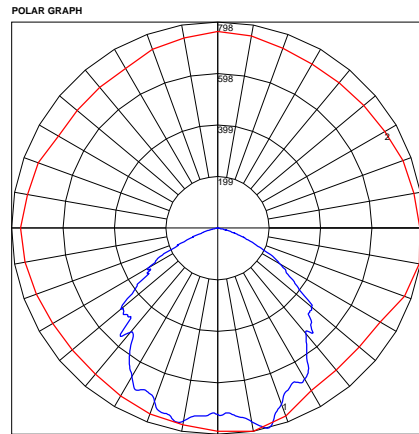
Maximum Candela = 890.94 Located At Horizontal Angle = 320, Vertical Angle = 10
 # 1 - Vertical Plane Through Horizontal Angles (320 - 140) (Through Max. Cd.)
 # 2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)



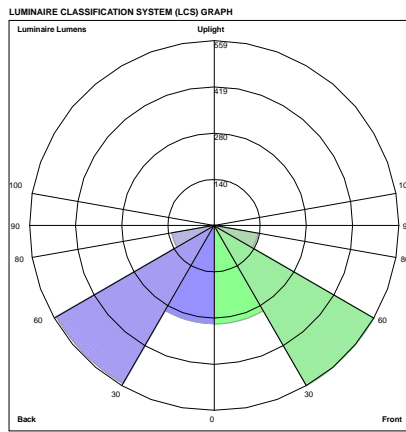
Luminaire Lumens:
 Front: Low=350.7, Medium=633.3, High=168.1, Very High=10.3
 Back: Low=287.7, Medium=420.6, High=62.6, Very High=1.2
 Uplight: Low=1.1, High=1.7



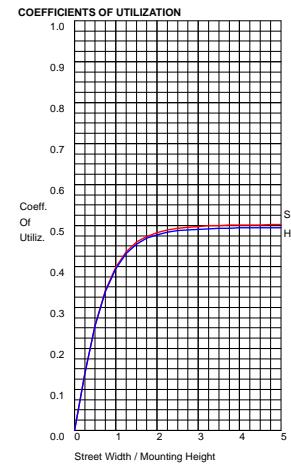
MODEL: DUBLIN 2 / CATALOGUE #: DU2-LED20-5K / TEST # S17040016C-01-5K / TEST DATE: 4/13/2017							
Lamp Output	Lumen Efficacy	Input Voltage	Input Wattage	Power Factor	BUG Rating	Color Temp	IES Classification
1976 Lumens	102 LPW	120V	19.35W	1.00	B1-U1-G0	5000K	Type VS



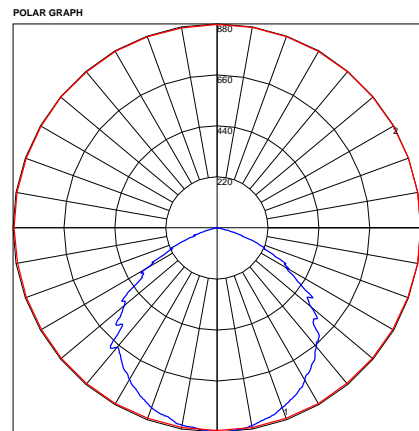
Maximum Candela = 797.79 Located At Horizontal Angle = 280, Vertical Angle = 14.5
 # 1 - Vertical Plane Through Horizontal Angles (280 - 100) (Through Max. Cd.)
 # 2 - Horizontal Cone Through Vertical Angle (14.5) (Through Max. Cd.)



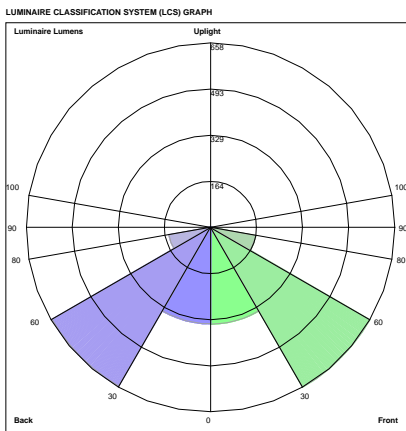
Luminaire Lumens:
 Front: Low=297.4, Medium=559.3, High=134.6, Very High=2.3
 Back: Low=295.9, Medium=551.7, High=129.1, Very High=2.3
 Uplight: Low=1.3, High=1.7



MODEL: LONDON 2 / CATALOGUE #: LO2-LED20-5K / TEST # S17040016A-01-5K / TEST DATE: 4/13/2017							
Lamp Output	Lumen Efficacy	Input Voltage	Input Wattage	Power Factor	BUG Rating	Color Temp	IES Classification
2323 Lumens	120 LPW	120V	19.32W	1.00	B1-U1-G0	5000K	Type VS



Maximum Candela = 880.18 Located At Horizontal Angle = 20, Vertical Angle = 3
 # 1 - Vertical Plane Through Horizontal Angles (20 - 200) (Through Max. Cd.)
 # 2 - Horizontal Cone Through Vertical Angle (3) (Through Max. Cd.)



Luminaire Lumens:
 Front: Low=344.5, Medium=657.8, High=163.6, Very High=2.9
 Back: Low=343.8, Medium=654.6, High=150.0, Very High=2.5
 Uplight: Low=1.3, High=2.0

