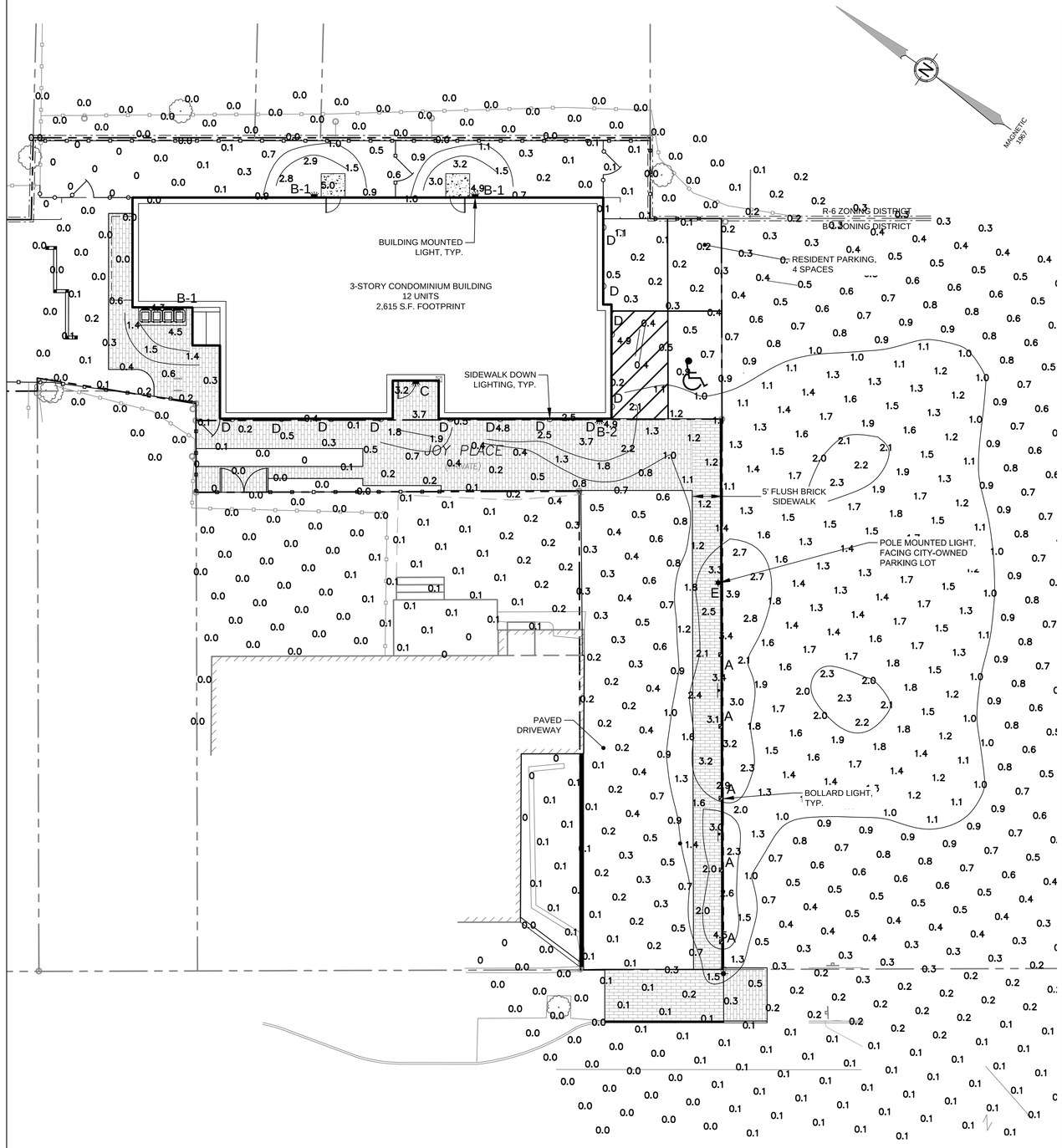


GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch =10 ft.

KIM LIGHTING

B30 LED
High Performance Bollard
revision 4/10/17 • kl_b30led_spec.pdf

Type:
Job:
Catalog number:

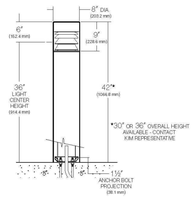
B30 / 20L3KUV / /
Fixture | Electrical Module | Top Cap and Shaft Finish | Options
See page 2 | See page 3

Approvals:

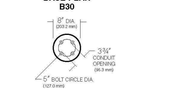
Date:
Page: 1 of 4

Specifications

B30 LED
Maximum weight: 30 lb.



BASE PLAN
B30



Top Cap: One-piece heavy gauge spun aluminum retained by two countersunk captive socket head fasteners, braced at outer edges by optical assembly. ⅛" thick insulation provided above lamp.
Plastic Enclosure: High grade, high temperature acrylic, optically clear, ¼" nominal wall, one-piece injection molded retained in an unstressed position by internal support through reflector assembly.
Optical Assembly: Precision hydroformed optical louvers with specular Alzak® finish, removable as a one-piece self-contained unit.
Shaft: One-piece, extruded, wall thickness, .125" with heavy cast aluminum twist-lock anchor base concealed within post. Post locks to base with (2) ⅜" stainless steel cone point set screws.
Gasketing: Fixture is silicone gasketed for weathertight operation.
Electronic Module: All electrical components are either UL or ETL recognized, mounted on a single plate and factory prewired with quick disconnect plugs. Driver is rated for -40°F starting and has a 0-10V dimming interface for multi-level illumination options.
Optical Module: Each LED equipped with a directional optic for maximum beam angle projecting through louver stack spacings. LED boards to be mounted to an anodized inter-locking heat sink extrusion. 20-LED total. Available in 380nm Amber, 3000K, 4200K and 5100K color temperatures.
Anchor Bolts: Four ¾" x 10" + 2" zinc electro-plated L-hook anchor bolts, each with two nuts and washers and a rigid pressboard template.
Finish: Each luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) polyester powdercoat finish. Standard colors include (BL) Black, (DB) Dark Bronze, (WH) White, (PS) Platinum Silver, (SG) Stealth Gray, (LG) Light Gray, and (CC) Custom Color (include RAL#).
Listed to: UL 1598 Standard for Luminaires - UL 8750 Standard for Safety for Light Emitting Diode (LED) Equipment for use in Lighting Products and CSA C22.2#250.0 Luminaires. RoHS compliant. Meets Buy American provisions within ARRA.
Warranty: Kim Lighting warrants Bollard LED products sold by Kim Lighting to be free from defects in material and workmanship for (i) a period of five (5) years for metal parts, (ii) a period of five (5 years for exterior housing paint finishes), (iii) a period of five (5) years for LED Light Engines and, (iv) a period of five (5) years for LED power components (driver, surge protector and LifeShield® devices), from the date of sale of such goods to the buyer as specified in Kim Lighting shipment documents for each product.
CAUTION: Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

HUBBELL OUTDOOR LIGHTING

KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE

© 2017 KIM LIGHTING • 17760 ROWLAND STREET, CITY OF INDUSTRY, CA 91748 • TEL: (626)965-5606 • FAX: (626)369-3636

RUBIX - model: WS-W2504, WS-W2505
LED Wall Mount

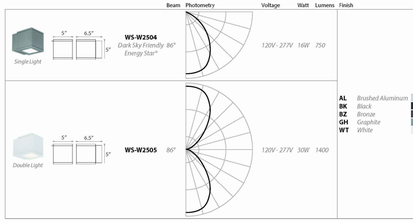
WAC LIGHTING
Responsible Lighting®

Fixture Type:
Catalog Number:
Project:
Location:

PRODUCT DESCRIPTION
Available in single- and twin-light configurations, this die cast aluminum LED wall luminaire is wet location listed for a broad range of exterior lighting applications. Designed with a square profile, this version of Rubix mounts upwards or downwards.

FEATURES
- Energy Star® rated
- CEC Title 24 Compliant
- Mounts up or down
- IP65 Rated, ETL & cETL Wet Location Listed
- Die-Cast Aluminum Construction
- Universal Voltage Input (120V - 277V)
- Dimming: ELV (120V) or 0-10V

SPECIFICATIONS
Construction: Aluminum with etched glass.
Power: Integral driver in luminaire. 120V - 277V input.
Light Source: High output LED
Mounting: Mounts directly to junction box
Dimming: 0-10V Dimming: 100%-10%
ELV Dimming: 100%-15% (120V only)
Finish: Brushed Aluminum (AL), Black (BK), Bronze (BZ), Graphite (GH), White (WT)
Color Temp: 3000K
CRI: 90
Rated Life: 70,000 hours
Standards: Energy Star® rated, IP65 Rated, ETL & cETL Wet Location Listed, CEC Title 24 Compliant, Dark Sky Friendly.



Example: **WS-W2504-GH**

waclighting.com
Phone (800) 526.2588
Fax (800) 526.2585

Headquarters/Eastern Distribution Center
44 Harbor Park Drive
Port Washington, NY 11050

Central Distribution Center
1600 Distribution Ct
Lithia Springs, GA 30122

Western Distribution Center
1750 Archibald Avenue
Ontario, CA 91760

WAC Lighting retains the right to modify the design of our products at any time as part of the company's continuous improvement program. OCT 2016

Cimarron CL1
Area/Site Lighting

Stylish vertically finned die-cast solid top housing and lower heat sink optimize heat dissipation:
- Isolated electrical compartment with integral heat sinking for cooler operation and longer driver life
- Drivers have greater than 90% power factor and less than 20% THD
- 0-10V dimming driver standard, order CD option to have dimming leads extended
- Automatic thermal self protection
- 20kA surge protection with an end of life LED indicator
- 60,000 hours life (L90 @ 40°C)*
- Shipped with upsweept or straight arm for uniform look and ease of installation
- -40 deg C to 40 deg C ambient operation
- Letterocote TGIC polyester powder coat finish
- 3000K, 80 CRI; 4000K, 70 CRI; 5000K, 67 CRI
- Stainless steel bezel(s)
- Choice of 72 high brightness LED configurations with individual acrylic lenses aimed to produce IES type II, III, IV and V distributions and auto optics
- Backlight control option reduces spill light behind pole by 85%, doesn't change fixture appearance or EPA
- IP65
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations
- Increased lumen output with use of 105mA driver (90L only)
- DesignLights Consortium (DLC) qualified, consult DLC website for more details: https://www.designlights.org/QPL
- Turtle friendly Amber available

*5000K and warmer CCTs only

MADE-TO-ORDER ORDERING INFORMATION

CL1 – [ ] – [ ] – [ ] – [ ] – [ ] – [ ] – [ ] – [ ]

SERIES
CL1 Cimarron LED

MOUNTING
A Arm mount construction (6" straight rigid arm, included & acceptable for 90° configurations)
AD Decorative arm mount (24" decorative upsweept arm incl. & acceptable for 90° configurations)
MAF Mast arm fitter for mounting to standard 2 3/8" mast arm bracket, includes 6" straight rigid arm

NO. OF LEDS
90L 90 High brightness LEDs
60L 60 High brightness LEDs
30L 30 High brightness LEDs

VOLTAGE
U Universal 120V-277V, 50/60 Hz
1 120V
2 208V
3 240V
4 277V
5 480V, 60 Hz
7 347V, 60 Hz
8 220V, 50 Hz

DISTRIBUTION
2 Type II
3 Type III
4 Type IV
5S Type V Short
5M Type V Medium
5W Type V Wide
2L Type II Rotated 90° left
3L Type III Rotated 90° left
4L Type IV Rotated 90° left
2R Type II Rotated 90° right
3R Type III Rotated 90° right
4R Type IV Rotated 90° right

CCT
3K 3000K, 80CRI
4K 4000K, 70CRI
5K 5000K, 67CRI
AM Amber (500 nm available for "Turtle Friendly" applications (consult factory))

DRIVE CURRENT
Leave blank for 700mA (standard)
105 350mA Amber CCT only
105 530mA (not for use with 30L)

COLOR
DB Dark Bronze
BL Black
WH White
GR Gray
PS Platinum Silver
CC Custom Color

OPTIONS
BC Backlight control
CD Continuous dimming
WB Wall bracket
RPA3 3" Round pole adapter
RPA4 4" Round pole adapter
RPA5 5" Round pole adapter
RPA6 6" Round pole adapter
FDO Fusing (replace X with voltage: 5=120V, 3=208V, 2=240V, 4=277V, 5=480V, 7=347V)
VG Vandal guard
7PR Photocell receptacle (7-pin ANSI C136.41—2013 receptacle for use with shorted Twist-Lock® (4-pin) contact, shorting caps, and ANSI C136.41 external wireless control device. Select SCL option to add occupancy sensing capability when wiring with compatible external wireless device.)

MOTION CONTROL OPTIONS
SCO No light output when no motion detected / (In) Off control
SCL Adds an occupancy sensor
SCP Programmable dimming control
SCPW Programmable dimming control wireless

WIRELESS CONTROL OPTIONS
WSC WSCAPE
WSCC WSCAPE with motion control

ADDITIONAL ACCESSORIES ON PG. 226-227

*See specification page for complete fixture data

HUBBELL Outdoor Lighting

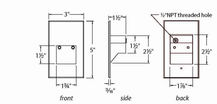
224

Visit www.hubbelloutdoor.com/products for up-to-date availability information

Model: WL-LED200
LEDme® Step Light

WAC LIGHTING
Responsible Lighting®

Fixture Type:
Catalog Number:
Project:
Location:



PRODUCT DESCRIPTION
Vertical rectangle LEDme® Step Light. Designed for safety and style on stairways, patios, decks, balcony areas, walkways and building perimeters.
Features an architectural design, Energy efficient for long-lasting indoor and outdoor lighting solutions. Creates an attractive, romantic impression at night.

FEATURES
- 316 marine grade cast stainless steel (SS) available
- Direct wiring, no driver needed
- Low profile, flush to wall aesthetics with no visible hardware
- 40,000 hour rated life
- Balanced lighting, free of shadows with minimum glare
- Up to 200 fixtures can be connected in parallel
- Replaceable LED module
- 5 year WAC Lighting product warranty

SPECIFICATIONS
Construction: Die-cast aluminum or 316 marine grade cast stainless steel
Power: Direct wiring, no remote driver needed. Input voltage: 120V or 277V AC 50/60Hz
Light Source: 3000K CCT Samsung HV-AC High Power LED, CRI: 85 Optional color lenses. Total power consumption of 3.9W
Mounting: Fits into 2"x 4"/ Box with minimum inside dimensions of 3"L x 2"W x 2"H Includes bracket for J-Box mount.
Dimming: Dim to 10% with electronic low voltage (ELV) dimmer Approved dimmers: Lutron Nova-T NTELV-300 & NTELV-600, Lutron Vetti VTELV-600, Lutron Diva DVELV-300P, Lutron Skylark SELV-300P, Lutron Maestro MAELV-600
Standards: IP66, UL & cUL Listed for wet locations

ORDER NUMBER

Model #		Color		Finish	
WL-LED200	120V	C	White 3000K	SS	Stainless Steel
WL-LED200F	277V	AM	Amber 610nm	BK	Black
		RD	Red 640nm	WT	White
		BL	Blue 450nm	BN*	Brushed Nickel
				BZ	Bronze

*Brushed Nickel Finish is for interior use only

FINISHES
SS BK WT BN BZ

Example: **WL-LED200F-AM-BZ**

waclighting.com
Phone (800) 526.2588
Fax (800) 526.2585

Headquarters/Eastern Distribution Center
44 Harbor Park Drive
Port Washington, NY 11050

Central Distribution Center
1600 Distribution Ct
Lithia Springs, GA 30122

Western Distribution Center
1750 Archibald Avenue
Ontario, CA 91760

WAC Lighting retains the right to modify the design of our products at any time as part of the company's continuous improvement program. MAR 2016

LIGHT FIXTURE TABLE

LABEL	LIGHT FIXTURE	MANUFACTURER	MANUFACTURERS ID	NUMBER OF LIGHTS	MOUNTING HEIGHT	MOUNTING LOCATION	WATTS	COLOR
A	B30 LED HIGH PERFORMANCE BOLLARD	KIM LIGHTING	B30-10L-3K-UV-DB	5	3.5'	BOLLARD	24	DARK BRONZE
B-1	RUBIX LED WALL MOUNT	WAC LIGHTING	WS-W2504-BZ	3	8.5'	WALL	16	BRONZE
B-2	RUBIX LED WALL MOUNT	WAC LIGHTING	WS-W2504-BZ	1	10'	WALL	16	BRONZE
C	RUBIX LED CEILING MOUNT	WAC LIGHTING	FM-W2505-BZ	1	9'	CANOPY CEILING	16	BRONZE
D	LEDme STEP LIGHT	WAC LIGHTING	WL-LED200-C-BZ	12	1.5'	WALL AT SIDEWALK	4	BRONZE
E	CIMARRON CL1 LED	HUBBELL OUTDOOR LIGHTING	CL1-A-60L-3K-4-DB	1	25'	POLE	135	DARK BRONZE

NOTES:
1. LIGHTING PLAN PREPARED USING DESIGN MASTER PHOTOMETRICS SOFTWARE
2. ONLY PROPOSED LIGHTING FIXTURES ARE MODELED
3. DEPRECIATION FACTOR FOR LED IS 0.90
4. LIGHT POLE FOR FIXTURE E TO BE SQUARE STRAIGHT ALUMINUM (SSA-S) POLE BY HUBBELL OUTDOOR LIGHTING, SSA-S-25-60-B-1-S2-DB DARK BRONZE COLOR OR APPROVED EQUAL

STATE OF MAINE
MICHAEL E. TADEMA-WIELANDT
No. 12115
LICENSED PROFESSIONAL ENGINEER

P.E.: MICHAEL E. TADEMA-WIELANDT
DATE: 3/26/2018

NO.	DATE	REVISIONS	APPD BY
9	3-26-2018	REVISED WALL MOUNTED LIGHT MOUNTING HEIGHT	MTW
8	3-23-2018	REVISED BOLLARD LIGHT MODEL NUMBER	MTW
7	3-20-2018	REVISED PER CITY OF PORTLAND STAFF COMMENTS	MTW
6	2-22-2018	REVISED LIGHT POLE LOCATION	MTW
5	1-11-2018	ISSUED FOR BID	MTW
4	9-13-2017	REMOVED PER STAFF COMMENTS	MTW
3	8-29-2017	REMOVED SIDEWALK ON ABUTTING CITY PARCEL	MTW
2	8-7-2017	REVISED PER STAFF & PEER REVIEW COMMENTS	MTW
1	4-25-2017	SUBMITTED TO CITY OF PORTLAND FOR PERMITTING	MTW

TERRADYN CONSULTANTS, LLC
565 CONGRESS STREET
SUITE 305
PORTLAND, ME 04102
P.O. BOX 339
11 HOWARD FARM LANE
NEW GLOUCESTER, ME 04260
OFFICE: (207) 926-5111 FAX: (207) 221-1317
www.terradynconsultants.com

Civil Engineering - Land Planning - Stormwater Design - Environmental Permitting

SHEET DESCRIPTION
PHOTOMETRIC LIGHTING PLAN

PREPARED FOR
ONEJOY PLACE, LLC
C/O RENEWAL HOUSING ASSOCIATES, LLC
2 UNION STREET, 5TH FLOOR
PORTLAND, MAINE 04101

ONEJOY PLACE
1 JOY PLACE, PORTLAND, MAINE 04102

DATE:	3/7/2017
SCALE:	1" = 10'
DESIGNED:	MTW
JOB NO:	1704
FILE:	1704-PHOTOMETRICS
SHEET	P-1.0