VILLAGE OF PITTSFORD
PLANNING AND ZONING BOARD OF APPEALS

Members
Justin Vlietstra, Chair
Joanne Shannon
Susan Lhota
Eli Bannister
Justin Leitgeb
Dan Keating, Liaison
Mindy Zoghlin, Board Attorney
Linda Habeeb, Recording Secretary

PLANNING & ZONING BOARD OF APPEALS

Monday August 16, 2019 at 7:00 pm
(Workshop meeting 6:30 pm)

Tentative Agenda
This agenda and the order of review may change at the discretion of the Chairperson.

✓ Conflict of Interest Disclosure

PLANNING BOARD

➢ Chase Bank, 31 State Street ~ Site Plan Review

Member Items:

♦ Trustees Code Updates Status
♦ Review and general discussion of proposed zoning code and comprehensive plan dated 7/12/2019 in response to SEQRA notice received 7/16/2019.
APPLICATION TO THE PLANNING BOARD
VILLAGE OF PITTSFORD
21 NORTH MAIN ST.
PITTSFORD, N.Y. 14534

VILLAGE OF PITTSFORD
JUL 17 19 AM 10:40

Date __________________ Fee $ __________________

Property address 31 State Street Tax account # __________________

Zoning District ______________ Property also known as: Chase Bank

Property owner(s) JP Morgan Chase Bank, N.A.

______________________________________________________________

Owner's address 1111 Polaris Parkway, Telephone (732) 786-2484 (day)
Columbus, OH 43240 (732) 786-2484 (evening)

Applicant JP Morgan Chase Bank, N.A.

Applicant's address 1111 Polaris Parkway, Telephone (732) 786-2484 (day)
Columbus, OH 43240 (evening)

Applicant is: [✓] owner [□] lessee/tenant [□] agent [□] other: __________________

Application for: [✓] Site Plan Review [□] Subdivision
[□] Minor Site Plan [□] Change of Lot Line
[□] Exterior Lighting [□] Other (describe): __________________

Application Information:

1) This application is for [✓] Site plan review pursuant to
Chapter 210, Zoning, Article XVII of the Code of the Village of Pittsford: Site Plan
Approval.

2) Current use of property: Commercial Bank Proposed use: No Change

3) Description of project: Exterior Site improvements which include the following;
replacement of existing asphalt, concrete sidewalks, curbing and restripe parking spaces &
crosswalk, upgrades to site lighting, replacement of window sills where called.

Form 4001, Planning Board Application Form, Version 2, Revised 12/11/2013
4) The following items are attached and are part of this application: 2 x Signed & Sealed plans, digital set of plans, 2 x S&S site plans, 1 digital & 1 x 11 x 17 site plan, Environmental assessment form, application fee, completed checklist

Owner’s Statement

I am the owner of the above property, and have read and approve this application. If the applicant is other than the owner, I authorize the applicant to proceed as agent.

Signature ___________________ Date 6-17-19

Applicant’s Statement

I hereby certify that the information submitted is, to the best of my knowledge, true and correct.

Signature ___________________ Date 6-17-19

NOTE: If any additional information is required by the Board, during the meeting, it is the responsibility of the applicant to provide such information, prior to the deadline of the subsequent meeting, or it will not be heard.

FOR OFFICE USE ONLY

Public Hearing sign(s) given to applicant __________
Notice of Public Hearing published __________
Neighborhood notification mailed __________
Referral to Monroe Co. Planning: yes □ (date) __________ no □
Hearing date(s) __________
Date of PB action __________
Approved _______ Approved w/conditions _______ Denied _______
Date of filing of decision __________
July 15, 2019

Village of Pittsford
21 North Main Street
Pittsford, NY 14534

RE:
Chase-Pittsford Village
31 State Street
Pittsford, New York 14534

To Whom It May Concern:

We respectfully submit for approval this application for repairs and improvements to the 2-story structure and surrounding site located at 31 State Street, Section 164006, Block 2, Lot 13, within the Village of Pittsford. The scope - illustrated in the drawings prepared by Max Gordon Architects, PC, with engineering provided by Herrick Saylor Engineers D.P.C. and Stonefield Engineering and Design - included in this submission is stated as follows:

- Façade repair and refurbishment including re-pointing of brick at the bottom (5) courses of around the perimeter of the entire building and other select areas illustrated in the drawings, repair of all window lintel joints, replacement of all sils at the ground floor windows, repair/replacement of flashing at the foundation at the extents of the existing cellar, replacement of parapet caps, and replacement of gutters and downspouts.

- Replacement of concrete flags along the pedestrian walkway adjacent the building’s north entrance and along its north façade, and at the site’s northeast corner. Replacement is to be coordinated with limited removal required to repair the flashing at the building foundation. All new areas of concrete sidewalk shall meet sloping requirements for accessibility per 2010 ADAAG and ANSI. All areas of landscaping disturbed by the proposed work shall be repaired to its previous condition.

- Replacement of narrow concrete walking surface along west façade of building. New concrete to meet existing grade against façade and level of reset granite curb. This work to be coordinated with parking lot asphalt replacement and flashing repair at the building foundation.

- Full-depth replacement of asphalt at the parking lot and drive aisles and associated re-striping of parking spaces and traffic arrows. New asphalt will be sloped to meet existing drainage inlets and promote more efficient drainage within the site, without altering infrastructure of the existing system.

- Parking spaces and aisles designated to be accessible will be striped to meet the minimum requirements for width and depth, and new asphalt will be constructed to meet slope requirements per 2010 ADAAG and ANSI. The path from designated accessible parking spaces and access aisle will be striped as a walkway and will meet slope requirements per 2010 ADAAG and ANSI.

- Installation of post-mounted accessible parking signage at (2) designated accessible parking spaces and (1) designated access aisle. Parking signage to meet the requirements of 2010 ADAAG and ANSI.
- Existing conduit for site light fixtures is to be replaced as necessary after existing asphalt is removed.

- The total impervious area of the site will be reduced by approximately 665 SF, with the inclusion of a new landscaped at the northwest corner of the site. The parking space count will not be altered as a result of impervious area reduction.

- Within the public right-of-way, the width of existing curb cut at drive aisle entrance on State Street to be reduced from 47'-0" (approximately) to 33'-0" approximately. Associated work included is limited replacement of asphalt, partial reconstruction of concrete curb and sidewalk flags, and extension of existing landscaped area.

The scope described herein is illustrated in the constructed drawings being submitted for review, listed as follows:

- Architectural (Max Gordon Architects, PC)
  T-100.00, G-100.00, G-101.00, G-102.00, G-300.00, G-301.00 and A-001.00
- Structural Engineering (Herrick Saylor Engineers D.P.C.)
  S-1, S-2 and S-3
- Civil Engineering (Stonefield Engineering and Design)
  C-1, C-2, C-3, C-4, C-5 and C-6

Thank you in advance for your attention to this application. If there are any additional questions or further clarifications required, please do not hesitate to contact our office.

Sincerely,

David R. Kuykendall AIA
New York State Registration No: 038804
# VILLAGE OF PITTSFORD
## SITE PLAN CHECK LIST

Email: buildinginspector@villageofpittsford.com  
Tel: 585-586-4332

Form to be completed by the applicant and submitted with the application. Applications not accompanied by a completed checklist, or missing materials specified in the checklist, shall be considered incomplete.

Building Inspector, or Designee to review, date and initial checklist as to its being fully complete.

<table>
<thead>
<tr>
<th>Project name and location: JP Morgan Chase Bank, NA. - 31 State Street, Pittsford NY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant Name: JP Morgan Chase Bank, NA.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date</th>
<th>Initial:</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/28/2019</td>
<td>X completed, signed application form</td>
</tr>
<tr>
<td>5/28/2019</td>
<td>X Fee paid</td>
</tr>
<tr>
<td>5/28/2019</td>
<td>X Permission from property owner</td>
</tr>
<tr>
<td>5/28/2019</td>
<td>X Describe intended use and how it complies with Village needs, plans, and open space plans</td>
</tr>
<tr>
<td>5/28/2019</td>
<td>X 2 sets of folded drawings of stamped drawings, 1 digital copy</td>
</tr>
<tr>
<td>5/28/2019</td>
<td>NA SEQRA EAF Part 1 form (if required)</td>
</tr>
<tr>
<td>5/28/2019</td>
<td>NA Coastal Assessment Form if Type 1 action within waterfront area</td>
</tr>
<tr>
<td>5/28/2019</td>
<td>NA 2 Copies of the Drainage Report. Drainage reports shall include the following:</td>
</tr>
<tr>
<td></td>
<td>NA A reasonable existing condition analysis for 1, 10 and 100 year events with consistent backup for drainage areas, soil types, curve number, development, representative Tc flow path information (slope, surface)</td>
</tr>
<tr>
<td></td>
<td>NA An appropriate detailed proposed condition analysis with all required backup.</td>
</tr>
<tr>
<td></td>
<td>NA Regulatory analysis-identify various regulatory requirements and demonstrate compliance.</td>
</tr>
<tr>
<td></td>
<td>NA The storm sewer analysis should be completed with backup for the various sub-elements, consider tail water conditions and downstream constraints.</td>
</tr>
</tbody>
</table>

### Site plan:
- X Project location map showing subject property and applicant’s entire adjacent holdings, and properties, subdivisions, streets and easements within 500’ of the applicant’s property under consideration
- X Site plan reduced to 11x17 inches for neighborhood notification

### Drawing title block:
- X Applicant’s name and address
- X Seal and signature, address, phone number, and e-mail address of licensed design professional
- X Approval signature lines for the Commissioner of Public Works, Chief Engineer, Fire Marshall
- X Planning Board approval, Zoning or APRB if needed
- X North arrow and plan scale
- X Original data and revision block

Site Plan Application Checklist
Date and Initial:

Zoning data:
5/28/2019 X Zoning district of subject property and all adjoining properties
5/28/2019 X Zoning table including existing and proposed setbacks, lot area, lot coverage, parking requirements, pavement coverage, greenspace coverage, etc.
5/28/2019 NA Use variances, area variances, special use permits, APRB approvals previously granted
5/28/2019 X Set back limits shown
5/28/2019 X Total gross floor area of all buildings

Site data:
5/28/2019 NA Owner name(s), address, and tax account number for subject property and adjoining properties
5/28/2019 X Land area in square-feet and acres
5/28/2019 X Impervious area in square feet and percentage
5/28/2019 NA Project phasing

Site features:
5/28/2019 X Property boundaries plotted to scale with bearings and distances shown
5/28/2019 X Existing and proposed building with number of floors and gross square-footage labeled
5/28/2019 X Watercourses, wetlands, flood zones, coastal erosion hazard areas
5/28/2019 X Paved and unpaved parking areas with striping shown
5/28/2019 X Walkways, benches, trash cans, bike racks, and other pedestrian amenities
5/28/2019 X Fences, guardrails, walls
5/28/2019 X Freestanding signs
5/28/2019 X Dumpster location and enclosure
5/28/2019 X HVAC equipment
5/28/2019 X Adjoining structures and land uses

Roadway data:
5/28/2019 X Street names, right-of-way width, and roadway jurisdiction shown
5/28/2019 X Sidewalks, roadway signage, street lights, utility poles
5/28/2019 X Curb cuts for subject property and those on properties adjacent to and across the street from the subject property.
5/28/2019 NA Site distances from project curb cuts
5/28/2019 NA Distance to nearest RTS bus stop
5/28/2019 NA Monumentation and stationing

Date and Initial:

Grading plans:
5/28/2019 X Existing and proposed grades certified by a licensed land surveyor
5/28/2019 NA Grading shown 100' beyond project limits
5/28/2019 NA Retaining walls

Site Plan Application Checklist
5/28/2019 NA Topsoil stockpile locations
5/28/2019 X Finished floor elevations for existing and proposed structures
5/28/2019 NA Erosion control plans

Utility plans:
- NA All existing and proposed utilities shown
- NA Sizes and materials shown
- X Inverts, rim/ grate elevations shown
- NA Pipe slope and direction of depicted
- NA Private wells and sewage disposal system shown (existing and proposed)

Engineering data:
5/28/2019 NA Percolation test data and locations
5/28/2019 NA Deep hole test data and locations
5/28/2019 NA Cut/fill calculations

Landscape plan:
5/28/2019 NA Limit of clearing shown
5/28/2019 NA Proposed planting shown
5/28/2019 NA Key indicating species, size, mature height and width, and spacing requirements
5/28/2019 NA Planting details
5/28/2019 NA Tree protection details
5/28/2019 NA Stamped by New York State Licensed Landscape Architect

Lighting plan: (Section 117 village code)
5/28/2019 NA Location of all existing and proposed lighting fixtures
5/28/2019 NA Mounting height indicated
5/28/2019 NA Details and/or catalog cuts of proposed light fixture
5/28/2019 NA Bulb wattage and lumen output
5/28/2019 NA Light color in Kelvin

Architectural elevations:
5/28/2019 NA Elevations show all sides of proposed buildings
5/28/2019 NA Dimensions, colors, and materials shown
5/28/2019 NA Material samples available for planning board meeting

Site Plan Application Checklist
Date and Initial:

Details:

5/28/2019 NA Standard construction details in the Village of Pittsford local code
5/28/2019 NA Dumpster enclosure details including dimensions, materials, and colors.
5/28/2019 NA Fence details including height and materials
5/28/2019 X Signage details (ADA signage, fire lane signage)

Easements:

5/28/2019 NA Dimensions shown
5/28/2019 NA Name of easement holder
5/28/2019 NA Labeled “existing” or “proposed”
5/28/2019 NA Liber and page of existing easements labeled

Energy requirements:

5/28/2019 NA RES-check

Complete LWRP Coastal Assessment Form (if located in one of the villages waterfront areas)
Short Environmental Assessment Form  
Part 1 - Project Information  

Instructions for Completing  

Part 1 – Project Information. The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

<table>
<thead>
<tr>
<th>Part 1 – Project and Sponsor Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Expediter Consulting Corp.</td>
</tr>
<tr>
<td>Name of Action or Project:</td>
</tr>
<tr>
<td>Proposed ADA upgrades project</td>
</tr>
<tr>
<td>Project Location (describe, and attach a location map):</td>
</tr>
<tr>
<td>31 state street, Pittsford NY</td>
</tr>
<tr>
<td>Brief Description of Proposed Action:</td>
</tr>
<tr>
<td>Remove and replace all on site asphalt in the parking lot, re stripe all parking spaces and cross walk. Remove and replace concrete sidewalks to achieve ADA compliant slopes.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name of Applicant or Sponsor:</th>
<th>Telephone: 732.786.2484</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kimberly Keene</td>
<td></td>
</tr>
<tr>
<td>Address:</td>
<td></td>
</tr>
<tr>
<td>28 Station Street</td>
<td></td>
</tr>
<tr>
<td>City/PO:</td>
<td>State:</td>
</tr>
<tr>
<td>Manalapan</td>
<td>NJ</td>
</tr>
<tr>
<td>Zip Code:</td>
<td>07726</td>
</tr>
<tr>
<td>1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation?</td>
<td>NO  YES</td>
</tr>
<tr>
<td>If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.</td>
<td>☑️  ❌</td>
</tr>
<tr>
<td>2. Does the proposed action require a permit, approval or funding from any other government Agency?</td>
<td>NO  YES</td>
</tr>
<tr>
<td>If Yes, list agency(s) name and permit or approval: Village of Pittsford Building Dept. &amp; planning board</td>
<td>☐  ✔</td>
</tr>
<tr>
<td>3. a. Total acreage of the site of the proposed action?</td>
<td>0.506 acres</td>
</tr>
<tr>
<td>b. Total acreage to be physically disturbed?</td>
<td>.35 acres</td>
</tr>
<tr>
<td>c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?</td>
<td>acres</td>
</tr>
<tr>
<td>4. Check all land uses that occur on, are adjoining or near the proposed action:</td>
<td></td>
</tr>
<tr>
<td>☐ Urban  ☐ Rural (non-agriculture)  ☐ Industrial  ☑️ Commercial  ☑️ Residential (suburban)</td>
<td></td>
</tr>
<tr>
<td>☐ Forest  ☐ Agriculture  ☐ Aquatic  ☐ Other(Specify):</td>
<td></td>
</tr>
<tr>
<td>☐ Parkland</td>
<td></td>
</tr>
</tbody>
</table>

Page 1 of 3
5. Is the proposed action,  
   a. A permitted use under the zoning regulations?  
      | NO | YES | N/A  |
      |    | ☑   |      |
   b. Consistent with the adopted comprehensive plan?  
      | NO | YES | N/A  |
      |    | ☑   |      |

6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?  
   | NO | YES | N/A  |
   |    |     |      |

7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area?  
   If Yes, identify:  
   | NO | YES | N/A  |
   |    | ☑   |      |

8. a. Will the proposed action result in a substantial increase in traffic above present levels?  
      | NO | YES | N/A  |
      |    | ☑   |      |
   b. Are public transportation services available at or near the site of the proposed action?  
      | NO | YES | N/A  |
      |    | ☑   |      |
   c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action?  
      | NO | YES | N/A  |
      |    | ☑   |      |

9. Does the proposed action meet or exceed the state energy code requirements?  
   If the proposed action will exceed requirements, describe design features and technologies:  
   | NO | YES | N/A  |
   |    | ☑   |      |

10. Will the proposed action connect to an existing public/private water supply?  
    If No, describe method for providing potable water:  
    existing  
    | NO | YES | N/A  |
    |    | ☑   |      |

11. Will the proposed action connect to existing wastewater utilities?  
    If No, describe method for providing wastewater treatment:  
    existing  
    | NO | YES | N/A  |
    |    | ☑   |      |

12. a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places?  
    b. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?  
    | NO | YES | N/A  |
    |    |     |      |

13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?  
    b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody?  
    If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres:  
    | NO | YES | N/A  |
    |    | ☑   |      |
14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply:
   - □ Shoreline
   - □ Forest
   - □ Agricultural/grasslands
   - □ Early mid-successional
   - □ Wetland
   - □ Urban
     - Yes
     - Suburban

15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered?
   - Yes
   - No

16. Is the project site located in the 100-year flood plan?
   - Yes
   - No

17. Will the proposed action create storm water discharge, either from point or non-point sources?
   If Yes,
   a. Will storm water discharges flow to adjacent properties?
   - Yes
   - No
   b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)?
   - Yes
   - No
   If Yes, briefly describe:

18. Does the proposed action include construction or other activities that would result in the impoundment of water or other liquids (e.g., retention pond, waste lagoon, dam)?
   If Yes, explain the purpose and size of the impoundment:

19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility?
   If Yes, describe:

20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste?
   If Yes, describe:

I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

Applicant/sponsor/name: Kimberly Keenup
Date: 7/14/19

Signature: [Signature]
Title: Project Manager

PRINT FORM
| Part 1 / Question 7 [Critical Environmental Area] | No |
| Part 1 / Question 12a [National or State Register of Historic Places or State Eligible Sites] | Yes |
| Part 1 / Question 12b [Archeological Sites] | Yes |
| Part 1 / Question 13a [Wetlands or Other Regulated Waterbodies] | Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook. |
| Part 1 / Question 15 [Threatened or Endangered Animal] | No |
| Part 1 / Question 16 [100 Year Flood Plain] | No |
| Part 1 / Question 20 [Remediation Site] | No |

Disclaimer: The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.
August 1, 2019

Dear Village Property Owner:

The legal notice below was published in the Brighton-Pittsford Post on August 1, 2019. As an adjacent property owner within 300 feet of the subject property, you may wish to speak for or against the application. The date and time of the hearing are mentioned in the notice. If you are unable to attend the meeting, and wish to make a statement, a letter may be sent to the Village Office to be read at the hearing. The Village Office number is 586-4332.

Sincerely,

Linda Habeeb
Secretary
Planning & Zoning Board of Appeals

VILLAGE OF PITTSFORD
NOTICE OF PUBLIC HEARING

Please take notice that a public hearing will be held before the Village of Pittsford Planning Board at the Village Hall, 21 North Main Street, Pittsford, New York, on Monday August 19, 2019 at 7:00 pm, to consider an application made by Chase Bank for site plan review for ADA compliance and parking lot upgrades at the property located at 31 State Street.
LEGAL NOTICE
VILLAGE OF PITTSFORD
NOTICE OF PUBLIC HEARING

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Village of Pittsford
Planning Board
Linda Habeeb, Secretary
8/1/19
Au 01
75602
CHASE
SITE UPGRADE PLANS
SECTION 164.06, BLOCK 2, LOT 13
31 STATE STREET
VILLAGE OF PITTSFORD
MONROE COUNTY, NEW YORK

LOCATION MAP
SCALE: 1" = 1,000'v

AREA MAP
SCALE: 1" = 80'

PLANS PREPARED BY:

STONEFIELD
engineering & design
811
Rutherford, NJ • New York, NY
Princeton, NJ • Tampa, FL • Detroit, MI
www.stonefieldeng.com
584 Broadway, Suite 310, New York, NY 10012
Phone 718.606.8305

Know what's below
Call before you dig.
REFERENCES:
1. This Map was prepared without the benefit of an abstract of title and is subject to any conditions, covenants, and/or restrictions of record that the review of same would disclose.

CERTIFICATION:
We, Ravi Engineering and Land Surveying, hereby certify that this Survey Map was prepared from the notes of a land survey completed by Ravi Engineering & Land Surveying, P.C. on July 17, 2018 and from the references noted herein, and that the map or plat and the survey upon which it was based meets the GVLSPA 2017 Minimum Standards for a Survey Map.

SIGNED:
Michael C. Bogarin, PLS Registration #059414

MAP OF A SURVEY

*31 MAIN STREET
NYS RTE 31
LOCATED IN
VILLAGE OF PITTSFORD MONROE COUNTY, NEW YORK

DWG NO 2018-0116 Scale: 1"=30' Date: 07/11/18 Drawn by: SJB
Evolve™ LED Area Lighting
EALP

current
powered by GE
Product Features

The GE Evolve™ LED Area Light, EALP, is optimized for customers needing an energy saving LED solution while adding flexibility, style and scalability at at higher LPW than our standard EALS Area Light. The EALP luminaire offers a wide range of optical patterns, color temperatures, lumen packages, and mounting configurations to best optimize area light applications, as well as provide versatility in lighting design within the same form-factor. The fixture features innovative heat sinking that produces thermal stability over life in an extremely lightweight housing, while meeting a 3G vibration rating tested on 3-axis. This area light meets DLC Premium and Standard requirements for lumen maintenance and superior LPW. The EALP has a product-wide lumen maintenance at L90 @ 50k hours and up to 126LPW.

The Universal Mounting Arm option will provide installers the ability to mount the EALP on round poles ranging in size from 2.38” to 6” in diameter or on square poles. In addition, it has a slide feature, enabling a more universal bolt pattern when faced with many existing bolt patterns in the field. This feature will save both time and money for the contractor and end users. Add the fact that the luminaire weighs just 26-28 lbs – making the EALP truly ideal for installers’ needs!

The GE Evolve™ LED Area Light is intended to replace up to 1000W MH luminaires. It features 0-10V or DALI dimming, along with LightGrid™ wireless control compatibility and is available with optional programmable motion sensing for additional energy savings and Title 24 compliance.

Applications
- Site, area, roadway and general lighting applications utilizing advanced LED optical system providing high uniformity, excellent vertical light distribution, reduced offsite visibility, reduced on-site glare and effective security light levels.
- Ideal for large retailers, commercial to medical properties, and big box retailers. Also suitable for roadways.

Housing
- Slim architectural design incorporates an integral heat sink and light engine, ensuring maximum heat transfer, and long LED life.
- Die cast aluminum housing
- 3G vibration per ANSI C136.31-2010

LED & Optical Assembly
- LM-79 tests and reports in accordance with IESNA standards
- 70CRI at 3000K, 4000K and 5000K
- Distributions: II, III, IV, V (short & medium)
- Upward Light Output Ratio (ULOR) = 0

Lumen Maintenance
- Projected L90 > 100,000 hours per IES TM-21
- Projected Lxx per IES TM-21 at 25 °C for reference:

<table>
<thead>
<tr>
<th>SKU</th>
<th>L90 (25,000 hr)</th>
<th>L95 (50,000 hr)</th>
<th>L90 (100,000 hr)</th>
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<tr>
<td>EALP01</td>
<td>L98</td>
<td>L95</td>
<td>L90</td>
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NOTES: 1) Projected L90 based on LM80 (10,000 hour testing). 2) DOE Lighting Facts Verification Testing Tolerances apply to initial luminous flux and lumen maintenance measurements.

Lumen Ambient Temperature Factors:

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<tr>
<th>Ambient Temp (°C)</th>
<th>Initial Flux Factor</th>
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<tr>
<td>30</td>
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<tr>
<td>35</td>
<td>0.98</td>
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Ratings
- CUL Listed
- UL 1598 Listed Suitable for Wet Locations
- IP65 optical enclosure per ANSI C136.25-2013
- Temperature Rated -40°C to +40°C
- Title 24 compliant (w/ “H” motion sensor option)
- Complies with the material restrictions of RoHS.

Option C
- C1 = Integral Slipfitter 2” Pipe (2.378 in. OD) supplied with leads.

Option D
- D1 = Universal Mounting Arm, fitted for round or square pole mounting supplied with 16/3 3ft cable.

Option K
- K1 = Knuckle Slipfitter for 1.9 in. - 2.3 in. OD Tenon with leads. Restricted aiming angle 0° to +45°.
- K1 = Knuckle Slipfitter for 2.3in. - 3.0in OD Tenon with leads. Restricted aiming angle 0° to +45°.

Option V
- V1 = Knuckle Wall Mount with leads. Restricted aiming angle 0° to +45°.

Finish
- Corrosion resistant polyester powder paint, minimum thickness 2.0 mil.
- Standard colors: Black & Dark Bronze.
- RAL & custom colors available.

Electrical
- 120-277 VAC and 347-480 VAC available.
- System power factor is >90% and THD <20%.
- ANSI C136.41 7-pin dimming receptacle, standard.
- ANSI photo electric sensors (PE) available for all voltages. Light Grid compatible.
- Dimming/Occupancy:
  - Wired 0-10V continuous dimming
  - DALI digital dimming. Contact manufacturer for availability.
  - Standalone motion sensor based dimming using “H” option code.
- Surge Protection per ANSI C136.2-2015.
  - 6kV/3kA “Basic” surge protection, standard.
  - 10kV/5kA “Enhanced” surge protection optional.

Warranty
- 5 Year Standard

Accessories
- Photoelectric Controls (see page 7)
- Light Shields (see OLP3120 Shielding for EAL Area Light Fixtures)


Ordering Number Logic
Evolve™ LED Area Light (EALP)

**EALP 01**

<table>
<thead>
<tr>
<th>PROD.ID</th>
<th>GENRATION</th>
<th>VOLTAGE</th>
<th>OPTICAL DISTRIBUTION</th>
<th>CRI</th>
<th>CCT</th>
<th>DIMMING</th>
<th>CONTROLS</th>
<th>MOUNTING ARM</th>
<th>COLOR</th>
<th>OPTIONS</th>
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</table>

**Code Values**
- SM: Symmetric Medium
- SW: Symmetric Wide
- AF: Asymmetric Forward
- AW: Asymmetric Wide
- AN: Asymmetric Narrow
- AA: Asymmetric Auto
- K3: Asymmetric Wide
- F4: Asymmetric Forward
- H5: Symmetric Forward
- J5: Symmetric Narrow
- L5: Symmetric Wide
- N5: Symmetric Narrow
- K5: Symmetric Wide
- M5: Symmetric Wide
- Q5: Symmetric Wide
- S5: Symmetric Wide
- T5: Symmetric Narrow
- U5: Symmetric Narrow
- V5: Symmetric Wide
- C4: Asymmetric Forward
- A3: Asymmetric Narrow
- F3: Asymmetric Forward
- H3: Asymmetric Wide
- J3: Asymmetric Narrow
- K3: Asymmetric Wide
- L3: Asymmetric Wide
- C2: Asymmetric Narrow
- D2: Asymmetric Narrow
- F2: Asymmetric Narrow
- H2: Asymmetric Narrow
- J2: Asymmetric Narrow
- K2: Asymmetric Narrow
- L2: Asymmetric Narrow
- KA: Asymmetric Auto
- LA: Asymmetric Auto

**Typical Initial Luminous Outputs**
- 300W: 7500 lm
- 400W: 8000 lm
- 500W: 9000 lm

**Typical System Wattage**
- 320-277V: 12500W
- 347-480V: 16000W

**Typical System Ratings**
- 300W: 70 lm/W
- 400W: 70 lm/W
- 500W: 70 lm/W

**IES File Numbers**
- EALP01_C5SM730
- EALP01_D5SM730
- EALP01_F5SM730
- EALP01_H5SM730
- EALP01_K5SM730
- EALP01_M5SM730
- EALP01_N5SM730
- EALP01_Q5SM730
- EALP01_S5SM730
- EALP01_T5SM730
- EALP01_U5SM730
- EALP01_V5SM730
- EALP01_C4AF730
- EALP01_D4AF730
- EALP01_F4AF730
- EALP01_H4AF730
- EALP01_J4AF730
- EALP01_K4AF730
- EALP01_L4AF730
- EALP01_C3AW730
- EALP01_D3AW730
- EALP01_F3AW730
- EALP01_H3AW730
- EALP01_J3AW730
- EALP01_K3AW70
- EALP01_L3AW730
- EALP01_C2AN730
- EALP01_D2AN730
- EALP01_F2AN730
- EALP01_H2AN730
- EALP01_J2AN730
- EALP01_K2AN70
- EALP01_L2AN730
- EALP01_KAAN730
- EALP01_LAAN730

**General Information**
- *Not applicable for Symmetric Distributions.*
- *Contact Manufacturer for availability.*
- *Compatible with LightGrid 2.0 nodes.*
- *Not compatible with 347-480V or with motion sensor control.*
- *For aimed left or right light distribution orientation, as assembled in manufacturing. Not applicable for Symmetric Distributions.*

**Mounting Options**
- Slip-fitter 2”
- Slip-fitter for 1.9 in - 2.3 in OD Tenon*
- Slip-fitter for 2.3 in - 3.5 in OD Tenon**
- Slip-fitter Wall Mount***
- Tool-Less Entry
- ANSI 7-pin receptacle
- Pole
- Pole

**Additional Notes**
- *Contact Manufacturer for availability.*
- *Compatible with LightGrid 2.0 nodes.*
- *Not compatible with 347-480V or with motion sensor control.*
- *For aimed left or right light distribution orientation, as assembled in manufacturing. Not applicable for Symmetric Distributions.*
Photometrics
Evolve™ LED Area Light (EALP)

**EALP Type V - Symmetric Medium (L5)**
33,600 Lumens, 5000K (EALP01_L5SM750___.IES)

Vertical plane through horizontal angle of maximum candlepower at 90°
Vertical plane through horizontal angle of 98°

**EALP Type V - Symmetric Wide (V5)**
35,900 Lumens, 5000K (EALP01_V5SW750___.IES)

Vertical plane through horizontal angle of maximum candlepower at 78°
Vertical plane through horizontal angle of 52°

**EALP Type IV - Asymmetric Forward (L4)**
33,600 Lumens, 5000K (EALP01_L4AF750___.IES)

Vertical plane through horizontal angle of maximum candlepower at 30°
Vertical plane through horizontal angle of 58°

**EALP Type III - Asymmetric Wide (L3)**
35,900 Lumens, 5000K (EALP01_L3AW750___.IES)

Vertical plane through horizontal angle of maximum candlepower at 20°
Vertical plane through horizontal angle of 51°

**EALP Type II - Asymmetric Narrow (L2)**
34,900 Lumens, 5000K (EALP01_L2AN750___.IES)

Vertical plane through horizontal angle of maximum candlepower at 65°
Vertical plane through horizontal angle of 59°

**EALP - Asymmetric Auto (LA)**
38,800 Lumens, 5000K (EALP01_LAAA750___.IES)

Vertical plane through horizontal angle of maximum candlepower at 0°
Vertical plane through horizontal angle of 47°
**Product Dimensions**

Evolve™ LED Area Light (EALP)

**Slipfitter Mount**

- 25.2 in. (641 mm)
- 16.0 in. (405 mm)
- 14.7 in. (373 mm)
- 4.3 in. (109 mm)
- 1.9 in. (48 mm)

**Knuckle Mount**

- 10.0 in. (254 mm)
- 4.3 in. (109 mm)
- 1.9 in. (48 mm)

**Dimensions in:**
- [mm]
**Product Dimensions**

**Evolve™ LED Area Light (EALP)**

**Universal Arm Mount**

**Knuckle Wall Mount**

**Wall Mount Hole Pattern**

**DATA**

- Approximate Net Weight: 26-28 lbs (11.79 kgs-12.97 kgs)
- Effective Projected Area (EPA):
  - Knuckle Slipfitter S1, 45° aim, EPA = 2.45
  - Knuckle w/Slipfitter S1, downward aim, EPA = 0.73
  - Universal Arm Mount D1, EPA = 0.54
  - Knuckle Wall Mount V1, 45° aim, EPA = 0.77 sq ft min and 1.43 sq ft max
  - Integral Slipfitter C1, EPA = 0.63
Accessories
Evolve™ LED Area Light (EALP)

PE Accessories (to be ordered separately)

<table>
<thead>
<tr>
<th>SAP Number</th>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>93029237</td>
<td>PED-MV-LED-7</td>
<td>ANSI C136.61 Dimming PE, 120-277V</td>
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<tr>
<td>93029238</td>
<td>PED-347-LED-7</td>
<td>ANSI C136.61 Dimming PE, 347V</td>
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<td>93029239</td>
<td>PED-480-LED-7</td>
<td>ANSI C136.61 Dimming PE, 480V</td>
</tr>
</tbody>
</table>

H-Motion Sensing Option

- Intended for applications, between 15-30 ft. mounting height (4.57-9.14m). For mounting heights exceeding 30 ft., pole mounted sensors are recommended.
- Provides a coverage area radius for walking motion of 15-20 ft. (4.57-6.10m).
- Provides 270° of coverage (~90° is blocked by the pole).
- Standard factory settings:
  - 50% output when unoccupied, 100% output occupied.
  - Integral PE Sensor.
  - 5 minute post-occupancy time delay, 5 minute dimming ramp-down.
- Fixture power increase of 1W expected with sensor use.

Note: Standard options may be reprogrammed in the field. Reprogramming instructions included in product shipment.

Sensor Pattern

Sensing Pattern Area Fixture
Up to 30 ft. Mounting Height
Mounting Information

Mounting Arms for Slipfitter
Order separately with Mounting Option C1 (Slipfitter)

**SQUARE POLE MOUNTING ARM**
3.5 TO 4.5-inch (89 to 114mm) SQUARE
(WILL ALLOW 4 FIXTURES PER POLE @ 90 DEGREES.)

ORDER SEPARATELY FROM FIXTURE AS CATALOG NUMBER
SPA-EAMT10BLCK “Black”
SPA-EAMT10DKBZ “Dark Bronze”

**SQUARE POLE MOUNTING DRILLING TEMPLATE**

**ROUND POLE MOUNTING ARM DRILLING TEMPLATE**
3.5 TO 4.5-inch (89 to 114mm) OD
(WILL ALLOW 4 FIXTURES PER POLE @ 90 DEGREES.)

ORDER SEPARATELY FROM FIXTURE AS CATALOG NUMBER
RPA-EAMT10BLCK “Black”
RPA-EAMT10DKBZ “Dark Bronze”

**Wall Mounting Bracket Adapter Plate**
ORDER SEPERATELY FROM FIXTURE AS CATALOG NUMBER
WMB-EAMT06

*NOTE: For Wall Mounting, order luminaire with mounting arm: C1 = Slipfitter 2” Pipe (2.378 in. OD) supplied with leads.*

Other mounting patterns are available for retrofit installations.
Contact manufacturing for other available mounting patterns.
Evolve™ LED Area Light
N Series (EANA)
Product Features

The next generation of the GE Evolve™ LED Area Light is an exciting solution to efficiently illuminate site and area applications. The smaller-form design of the EANA fixture provides superior illuminance at impressive site ROIs. The exclusive optical ring design effectively directs the light and produces impressive vertical illuminance and glare control. Additionally, the Evolve LED Area Light provides significant operating cost benefits over the life of each fixture with reduced energy consumption and a long rated life that virtually eliminates ongoing maintenance expenses.

Applications

- Site, area, and general lighting applications utilizing advanced LED optical system providing high uniformity, excellent vertical light distribution, reduced offsite visibility, reduced on-site glare and effective security light levels.
- Obtain a truly optimized and efficient parking space with dimming and occupancy sensing features.

Mounting

Option A
- 10-inch (254mm) mounting arm for square pole prewired with 24-inch (610mm) leads.

Option B
- 10-inch (254mm) mounting arm for round pole prewired with 24-inch (610mm) leads.

Option C
- Slipfitter mounting for 2 3/8-inch (60mm) O.D. pipe prewired with 24-inch (610mm) leads.

Option D
- 10-inch (254mm) mounting arm for round or square pole prewired with 24-inch (610mm) leads.

Housing

- Die-cast aluminum housing.
- Slim architectural design incorporates an integral heat sink and light engine, ensuring maximum heat transfer, long LED life, and a reduced Effective Projected Area (EPA).
- Meets 2G vibration level per ANSI C136.31-2010.

LED & Optical Assembly

- Structured LED arrays for optimized area light photometric distribution.
- Evolve light engine with directional reflectors designed to optimize application efficiency and minimize glare.
- Utilizes high brightness LEDs, 70 CRI at 4000K and 5000K typical.

Lumen Maintenance

- System rating is L85 at 50,000 hours. Contact manufacturer for Lxx rating (Lumen Depreciation) beyond 50,000 hours.

Ratings

- ETL listed, suitable for wet locations.
- Temperature rated at −40° to 50°C.
- Upward Light Output Ratio (ULOR) = 0.
- Title 24 compliant with “H” motion sensor option.
- Compliant with the material restriction requirements of RoHS.
- DLC Listed

Please refer to the DLC QPL website for the latest and most complete information. www.designlights.org/QPL
## Ordering Number Logic

**Evolve™ LED Area Light N Series (EANA)**

### Table:

<table>
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<tr>
<th>PROD. ID</th>
<th>PHOTOMETRIC SERIES</th>
<th>VOLTAGe</th>
<th>OPTICAL CODE</th>
<th>DRIVE CURRENT</th>
<th>LED COLOR TEMP.</th>
<th>PE FUNCTION</th>
<th>MOUNTING ARM</th>
<th>COLOR</th>
<th>OPTIONS</th>
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<tr>
<td>E = Evolve</td>
<td>A = Area Light</td>
<td>A = Photometric Series “A”</td>
<td>0 = 120-277</td>
<td>1 = 240*</td>
<td>2 = 277**</td>
<td>3 = 480*</td>
<td>4 = 4000K</td>
<td>5 = 525mA</td>
<td>50 = 3000K</td>
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<td>N = Housing Series</td>
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*Specify single voltage only if fuse option is selected.

### TYPICAL INITIAL LUMENS:

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<tr>
<th>TYPE</th>
<th>OPTICAL CODE</th>
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<th>5000K LUMENS</th>
<th>120-277V</th>
<th>347-480V</th>
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<td>A4</td>
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### Notes:

*Rating values for B and G are based on rated lumens and may vary due to flux tolerances.

---

**Options:**

D = Dimming (0-10 Volt Input)

† = Dimming leads will be provided through the back of the arm, unless specified with A or D PE function.

F = Fusing

R = 10kV Enhanced Surge Protection

H = Motion Sensor

†† = Special Options

# Dimming is standard with H option code. Do not also select D option. Not compatible with PE receptacle options A, or D.
Photometrics

EANA Type IV - Asymmetric Forward (F4)
12,380 Lumens, 5000K (EANA_F4550__-IES)

EANA Type IV - Asymmetric Forward (A4)
3,750 Lumens, 5000K (EANA_A4550__-120-277V.IES)

EANA Type III - Asymmetric Wide (F3)
13,500 Lumens, 5000K (EANA_F3550__-IES)

EANA Type III - Asymmetric Wide (A3)
4,090 Lumens, 5000K (EANA_A3550__-120-277V.IES)

EANA Type II - Asymmetric Narrow (F2)
13,080 Lumens, 5000K (EANA_F2550__-IES)

EANA Type II - Asymmetric Narrow (A2)
3,960 Lumens, 5000K (EANA_A2550__-120-277V.IES)
Product Dimensions

10" Arm For Square Pole Mount (Option A)
10" Arm For Round Pole Mount (Option B)
10" Arm For Square Pole Mount or Round Role Mount (Option D)

Option D includes all mounting hardware in Option A and Option B

- Approximate net weight: 20 lbs (9.07 kgs)
- Effective Projected Area (EPA) with 10" Mounting Arm: 0.67 sq ft max (0.06 sq m)
Product Dimensions

Slipfitter Arm Mount
(Option C)

**DATA**
- Approximate net weight: 19 lbs (8.61 kgs)
- Effective Projected Area (EPA) with Slipfitter: 0.43 sq ft max (0.04 sq m)
H-Motion Sensing Option:

- Intended for high mounting applications, between 15-30ft (4.57-9.14m). For mounting heights exceeding 30ft, pole mounted sensors are recommended.
- Provides a coverage area radius for walking motion of 15-20ft (4.57-6.10m).
- Provides 270° of coverage (~90° is blocked by the pole).
- Comes standard with 50% dimmed light output with no occupancy, and full power at occupancy.
- Comes standard with photocell function. Note: It is not necessary to also purchase PE receptacle or control.
- Comes standard with a 5 minute occupancy time delay and a 5 minute ramp-down to the 50% dimmed level.
- Must order with decorative mounting arm options “A” or “B”.
- Fixture power increase of 1W expected with sensor use.

Note: Standard options may be reprogrammed in the field. Reprogramming instructions included in product shipment.

Sensor Pattern:
Mounting Information

Mounting Arms for Slipfitter
Order separately with Mounting Option C (External Slipfitter)

**SQUARE POLE MOUNTING ARM**
3.5 TO 4.5-inch (89 to 114mm) SQUARE
(WILL ALLOW 4 FIXTURES PER POLE @ 90 DEGREES.)

ORDER SEPARATELY FROM FIXTURE AS CATALOG NUMBER
SPA-EAMT10BLCK “Black”
SPA-EAMT10DKBZ “Dark Bronze”

**ROUND POLE MOUNTING ARM**
3.5 TO 4.5-inch (89 to 114mm) OD
(WILL ALLOW 4 FIXTURES PER POLE @ 90 DEGREES.)

ORDER SEPARATELY FROM FIXTURE AS CATALOG NUMBER
RPA-EAMT10BLCK “Black”
RPA-EAMT10DKBZ “Dark Bronze”

Drilling Templates for Slipfitter Arms & Arm Mount

**SQUARE POLE MOUNTING**

**ROUND POLE MOUNTING**
3.5 TO 4.5-inch (89 to 114mm) OD
round pole mounting arm

Other mounting patterns are available for retrofit installations.
Contact manufacturing for other available mounting patterns.

www.gelighting.com

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OLP3080 (Rev 03/30/16)
Evolve™ LED Area Lighting
Recessed Canopy Light (ECRA)
Product Features

The new GE Evolve™ LED Recessed Canopy Light provides an energy-efficient and robust means for lighting areas with canopies, such as gas stations, truck stops and drive-thrus at banks, pharmacies and restaurants. Offering easy installation and maintenance, along with various lumen levels at both 4000K and 5000K color temperatures, this canopy light provides a great LED lighting solution for their outdoor space.

Housing

- Die-cast aluminum housing.
- Integral heat sink for maximum heat transfer.
- Meets 1.5G vibration standards per ANSI C136.31-2010.

LED & Optical Assembly

- Structured LED array for optimized area lighting photometric distributions.
- Evolve™ light engine consisting of reflective technology designed to optimize application efficiency and minimize glare.
- Utilizes high brightness LEDs, 70 CRI at 4000K and 5000K color temperature.
- LM-79 tests and reports are performed in accordance with IESNA standards.

Lumen Maintenance

<table>
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<th>ECRA SKU</th>
<th>Lxx@50Khrs</th>
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<td>A5</td>
<td>L90</td>
</tr>
<tr>
<td>B5</td>
<td>L90</td>
</tr>
<tr>
<td>C5</td>
<td>L85</td>
</tr>
</tbody>
</table>

- Per TM-21 calculator.
- L70 > 100,000 hrs for all power levels.
- Mounted to Sheet Metal per typical canopy install.
- Ambient Operating condition 25°C.

Finish

- Corrosion resistant polyester powder painted.
- Standard colors: White, Dark Bronze and Black.

Electrical

- 120-277 volt and 347-480 volt (B5 and C5 optical only), 50/60Hz.
- System power factor is >90% and THD<20%
- Class “A” Sound rating
- EMI: Title 47 CFR 15 Class A
- Motion sensor and integral photo electric sensor available.
  - 6kV/3kA “Basic” standard.
  - 10kV/5kA “Enhanced” R option.

Warranty

- Limited 5-Year Warranty for product launch standard.

Ratings

- Listed, suitable for wet locations per UL 1598.
- Temperature rated at -40° to 50°C (C5 SKUs: -40° to 40°C).
- Upward Light Output Ratio (ULOR) = 0.
- Compliant with the material restriction requirements of RoHS.
- DLC Listed.

Please refer to the DLC QPL website for the latest and most complete information. [www.designlights.org/QPL](http://www.designlights.org/QPL)
Ordering Number Logic
Evolve™ LED Recessed Canopy Light (ECRA)

<table>
<thead>
<tr>
<th>PRODUCT ID</th>
<th>PRODUCT GENERATION</th>
<th>VOLTAGE</th>
<th>OPTICAL CODE</th>
<th>LENS TYPE</th>
<th>DRIVE CURRENT</th>
<th>LED COLOR TEMP</th>
<th>MOTION SENSOR/PHOTOCELL FUNCTION</th>
<th>MOUNTING</th>
<th>COLOR</th>
<th>OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>E=Evolve</td>
<td>A=Photometric Series &quot;A&quot;</td>
<td>0=120-277V</td>
<td>5=525mA</td>
<td>F=Flat Lens</td>
<td>40=4000K</td>
<td>50=5000K</td>
<td>1=None</td>
<td>B=12&quot; Recessed Mount</td>
<td>WHITE</td>
<td>D=Dimmable (0-10 Volt Input)</td>
</tr>
<tr>
<td>C=Canopy</td>
<td>R=Recessed</td>
<td>M=347-480V</td>
<td>5=525mA</td>
<td>4=Motion Sensor and Integral Photocell*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BLACK</td>
<td>002=Non-Dimming with Junction Box</td>
</tr>
<tr>
<td>R=Recessed</td>
<td></td>
<td>* See below table for available options</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>DKBZ</td>
<td>R10kV/5kA Surge Protection</td>
</tr>
<tr>
<td>D=Luminaire</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>M=NOM31</td>
<td></td>
</tr>
<tr>
<td>† Dimming leads will be provided and terminated with quick-disconnect terminals.</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

Photometrics

ECRA Type V - Symmetric Wide - Flat Lens
13,550 Lumens, 5000K ECRA_C5F550___ies

Grid Distance in Units of Mounting Height of 15’
Initial Footcandle Values at Grade

- Vertical plane through horizontal angle of maximum candlepower at 60°
- Horizontal cone through vertical angle of maximum candlepower at 4°

<table>
<thead>
<tr>
<th>PHOTOMETRIC TYPE</th>
<th>OPTICAL CODE</th>
<th>LENS TYPE</th>
<th>TYPICAL INITIAL LUMENS</th>
<th>TYPICAL SYSTEM WATTAGE</th>
<th>4000K</th>
<th>5000K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Symmetric Wide</td>
<td>A5</td>
<td>Flat Lens</td>
<td>4170</td>
<td>35</td>
<td>NA</td>
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<td>Symmetric Wide</td>
<td>B5</td>
<td>Flat Lens</td>
<td>8010</td>
<td>64</td>
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<tr>
<td>Symmetric Wide</td>
<td>C5</td>
<td>Flat Lens</td>
<td>13410</td>
<td>110</td>
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</table>

Grid Distance in Units of Mounting Height of 15’
Initial Footcandle Values at Grade

- Vertical plane through horizontal angle of maximum candlepower at 60°
- Horizontal cone through vertical angle of maximum candlepower at 4°
Product Dimensions
Evolve™ LED Recessed Canopy Light (ECRA)

Motion Sensing Option:
- Intended for 8-25ft mounting heights.
- Provides a coverage area radius for walking motion of 15-20ft.
- Provides 360° of coverage.
- Factory pre-set 50% dimmed light output with no occupancy.
- May be reprogrammed using additional remote programmer.
  Remote Programmer part number: WS FSIR-100 PROGRAMMER (197634)
- Photoelectric control is integrated through the motion sensor, and is offered as standard.

Approximate Sensor Pattern:
Canopy Fixture
15 ft. Mounting Height

DATA
- Approximate Net Weight: Not to exceed 15 lbs.
Evolve™ Recessed Canopy Light Accessories

All accessory product ordered and shipped separate from the luminaire. Contact manufacturer for more information.

Beauty Plates
24” & 32” Escutcheon plates designed to cover unsightly canopy ceilings.

Mounting Plates
26” x 18” Mounting plates designed to ...
Evolve™ LED Flood Light
N Series (EFNA)
Product Features
The next generation of the GE Evolve™ LED Flood Light is a bright solution to efficiently illuminate building façade, flag poles, billboard signage and many more traditional flood applications. The Evolve LED Flood Light has a diverse portfolio of optical patterns available to maximize efficiency, highlight effectively, and beautifully illuminate a range of diverse application spaces.

Applications
- General flood applications, including, but not limited to; billboard/bulletin, spot and flag poles, building façade, and general parking.

Housing
- Die-cast aluminum housing.
- Slim architectural design incorporates an integral heat sink and light engine, ensuring maximum heat transfer, long LED life, and a reduced Effective Projected Area (EPA).
- Meets 2G vibration level per ANSI C136.31-2010.

LED & Optical Assembly
- Photometric system utilizes GE’s advanced reflective LED optical system providing high uniformity, and excellent light distribution.
- Utilizes high brightness LEDs, 70CRI at 4000K and 5000K.

Lumen Maintenance
- System rating is L85 @ 50,000 hours. Contact manufacturer for Lxx rating (Lumen Depreciation) beyond 50,000 hours.

Ratings
- cUL Listed, suitable for wet locations.
- Temperature rated at –40° to 50°C.
- Compliant with the material restriction requirements of RoHS.
- DLC Listed

Mounting
Option T
- Trunnion, pre-wired with 3ft #14/3 cable.

Option K
- Knuckle Slipfitter for 1.9” to 2.38” OD Tenon, pre-wired with 24-inch (610mm) leads.

Option S
- Knuckle Slipfitter mounting for 2.3-3” O.D. pipe, pre-wired with 24-inch (610mm) leads.

Option V
- Knuckle Wall Mount, pre-wired with 24-inch (610mm) leads.

Finish
- Corrosion resistant polyester powder painted, minimum 2.0 mil. thickness.
- Standard colors: Black & Dark Bronze.
- RAL & custom colors available.

Electrical
- 120-277 volt and 347-480 volt available.
- System power factor is >90% and THD <20%.
- Photo electric sensors (PE) available for all voltages.
- GE dimmable PE socket is available making the unit “adaptive controls ready.” Contact manufacturer for details.
- Dimming:
  - Wired 0-10V continuous dimming with “D” option code
- Surge Protection Options:
  - 6kV/3kA “Basic” surge protection, standard.
  - 10kV/5kA “Enhanced” surge protection available with “R” option code.

Please refer to the DLC QPL website for the latest and most complete information. www.designlights.org/QPL
## Ordering Number Logic

### Evolve LED Flood Light N Series (EFNA)

<table>
<thead>
<tr>
<th>PROD. ID</th>
<th>PHOTOMETRIC SERIES</th>
<th>VOLTAGE</th>
<th>OPTICAL CODE</th>
<th>DRIVE CURRENT</th>
<th>LED COLOR TEMP</th>
<th>PE FUNCTION</th>
<th>MOUNTING ARM</th>
<th>COLOR</th>
<th>OPTIONS</th>
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<tbody>
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<td>E = Evolve</td>
<td>F = Flood Light</td>
<td>N = Housing Series</td>
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<td>A = Photometric Series 'A'</td>
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</table>

<table>
<thead>
<tr>
<th>E F N</th>
<th>A</th>
<th>S</th>
<th>5</th>
</tr>
</thead>
</table>

### TYPICAL SYSTEM WATTAGE

- **120-277V**: 46-46
- **347-480V**: 46-46

### TYPICAL INITIAL LUMENS

- **4000K**: 3,730-3,750
- **5000K**: 3,750-3,750

### IES FILE NUMBER

- **4000K**: EFNA_A4540__IES
- **5000K**: EFNA_A4550__IES

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<td>Asymmetric Forward</td>
<td>3,730, 3,750</td>
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<td>B4</td>
<td>Asymmetric Forward</td>
<td>5,510, 5,540</td>
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<td>C4</td>
<td>Asymmetric Forward</td>
<td>7,180, 7,210</td>
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<td>D4</td>
<td>Asymmetric Forward</td>
<td>8,810, 8,850</td>
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<td>E4</td>
<td>Asymmetric Forward</td>
<td>10,370, 10,410</td>
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<tr>
<td>F4</td>
<td>Asymmetric Forward</td>
<td>12,320, 12,380</td>
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<tr>
<td>A3</td>
<td>Asymmetric Wide</td>
<td>4,070, 4,090</td>
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<tr>
<td>B3</td>
<td>Asymmetric Wide</td>
<td>6,010, 6,040</td>
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<td>C3</td>
<td>Asymmetric Wide</td>
<td>7,830, 7,860</td>
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<td>D3</td>
<td>Asymmetric Wide</td>
<td>9,620, 9,650</td>
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<td>E3</td>
<td>Asymmetric Wide</td>
<td>11,320, 11,360</td>
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<td>F3</td>
<td>Asymmetric Wide</td>
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<td>A2</td>
<td>Asymmetric Narrow</td>
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<td>Asymmetric Narrow</td>
<td>5,820, 5,850</td>
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<td>C2</td>
<td>Asymmetric Narrow</td>
<td>7,580, 7,620</td>
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<td>D2</td>
<td>Asymmetric Narrow</td>
<td>9,310, 9,350</td>
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<td>E2</td>
<td>Asymmetric Narrow</td>
<td>10,960, 10,100</td>
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<td>F2</td>
<td>Asymmetric Narrow</td>
<td>13,020, 13,080</td>
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<tr>
<td>A5</td>
<td>20° Spot</td>
<td>4,340, 4,360</td>
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<td>B5</td>
<td>20° Spot</td>
<td>6,410, 6,440</td>
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<tr>
<td>C5</td>
<td>20° Spot</td>
<td>8,350, 8,380</td>
</tr>
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<td>D5</td>
<td>20° Spot</td>
<td>10,250, 10,290</td>
</tr>
<tr>
<td>E5</td>
<td>20° Spot</td>
<td>12,060, 12,100</td>
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<tr>
<td>F5</td>
<td>20° Spot</td>
<td>14,330, 14,390</td>
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<tr>
<td>AW</td>
<td>80° Wide Flood</td>
<td>4,360, 4,380</td>
</tr>
<tr>
<td>BW</td>
<td>80° Wide Flood</td>
<td>6,440, 6,480</td>
</tr>
<tr>
<td>CW</td>
<td>80° Wide Flood</td>
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</tr>
<tr>
<td>DW</td>
<td>80° Wide Flood</td>
<td>10,350, 10,350</td>
</tr>
<tr>
<td>EW</td>
<td>80° Wide Flood</td>
<td>12,130, 12,180</td>
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<tr>
<td>FW</td>
<td>80° Wide Flood</td>
<td>14,400, 14,670</td>
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<tr>
<td>AE</td>
<td>100° Extra Wide Flood</td>
<td>4,260, 4,290</td>
</tr>
<tr>
<td>BE</td>
<td>100° Extra Wide Flood</td>
<td>6,300, 6,330</td>
</tr>
<tr>
<td>CE</td>
<td>100° Extra Wide Flood</td>
<td>8,200, 8,240</td>
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<tr>
<td>DE</td>
<td>100° Extra Wide Flood</td>
<td>10,070, 10,120</td>
</tr>
<tr>
<td>EE</td>
<td>100° Extra Wide Flood</td>
<td>11,860, 11,910</td>
</tr>
<tr>
<td>FE</td>
<td>100° Extra Wide Flood</td>
<td>14,090, 14,150</td>
</tr>
</tbody>
</table>

### COLOR

- **BLCK** = Black
- **DKBZ** = Dark Bronze
- **GRAY** = Gray
- **WHITE** = White

### OPTIONS

- **D** = Dimming (0-10 Volt Input)
- **F** = Fusing
- **R** = 10kV Enhanced Surge Protection
- **P** = Prewired with 6 FT #14/3 Cable
- **XXX** = Special Options

† Dimming leads will be provided through the back of the arm, unless specified with A or D PE function.

* When Dimming option is selected without Dimming PE, a #14-5 cable will be supplied at length above.

** Special Options
Photometrics

EFNA Type IV - Asymmetric Forward (F4)
12,380 Lumens, 5000K (EFNA_F4550__IES)
Fixture mounted at 0° Horizontal

EFNA Type IV - Asymmetric Forward (A4)
3,750 Lumens, 5000K (EFNA_A4550__-120-277V.IES)
Fixture mounted at 0° Horizontal

EFNA Type III - Asymmetric Wide (F3)
13,500 Lumens, 5000K (EFNA_F3550__IES)
Fixture mounted at 0° Horizontal

EFNA Type III - Asymmetric Wide (A3)
4,090 Lumens, 5000K (EFNA_A3550__-120-277V.IES)
Fixture mounted at 0° Horizontal

EFNA Type II - Asymmetric Narrow (F2)
13,080 Lumens, 5000K (EFNA_F2550__IES)
Fixture mounted at 0° Horizontal

EFNA Type II - Asymmetric Narrow (A2)
3,960 Lumens, 5000K (EFNA_A2550__-120-277V.IES)
Fixture mounted at 0° Horizontal
Photometrics

**EFNA – 20° Spot (FS)**
14,390 Lumens, 5000K (EFNA_FS550__.IES)

**EFNA – 20° Spot (AS)**
4,360 Lumens, 5000K (EFNA_AS550__-120-277V.IES)

**EFNA – 80° Wide Flood (FW)**
14,470 Lumens, 5000K (EFNA_FW550__.IES)

**EFNA – 80° Wide Flood (AW)**
4,380 Lumens, 5000K (EFNA_AW550__-120-277V.IES)

**EFNA – 100° Extra Wide Flood (FE)**
14,150 Lumens, 5000K (EFNA_FE550__.IES)

**Extra Wide Flood (AE)**
4,290 Lumens, 5000K (EFNA_AE550__-120-277V.IES)
Product Dimensions
Flood Light Slipfitter Mount

ISOMETRIC VIEW

FRONT VIEW

SIDE VIEW

DATA
- Approximate Net Weight: 21 lbs (9.52 kgs)
- Effective Projected Area (EPA) with Knuckle Mount: 0.56 sq ft max (0.05 sq. m)
Product Dimensions
Flood Light Wall Mount

**ISOMETRIC VIEW**

**FRONT VIEW**

**SIDE VIEW**

- Approximate Net Weight: 21 lbs (9.52 kgs)
- Effective Projected Area (EPA) with Knuckle Mount: 0.43 sq ft max (0.04 sq. m)
Product Dimensions
Flood Light Trunnion

ISOMETRIC VIEW
FRONT VIEW
SIDE VIEW

• Approximate Net Weight: 22 lbs (9.97 kgs)
• Effective Projected Area (EPA) with Trunnion Mount: 0.39 sq ft max (0.03 sq. m)
Evolve™ LED Flood Light
N Series (EFNB)
Product Features

The next generation of the GE Evolve™ LED Flood Light is a bright solution to efficiently illuminate building façade, flag poles, billboard signage and many more traditional flood applications. The Evolve LED Flood Light has a diverse portfolio of optical patterns available to maximize efficiency, highlight effectively, and beautifully illuminate a range of diverse application spaces.

Applications

- General flood applications, including, but not limited to; billboard/bulletin, spot and flag poles, building facade, and general parking.

Housing

- Die-cast aluminum housing.
- Slim architectural design incorporates an integral heat sink and light engine, ensuring maximum heat transfer, long LED life, and a reduced Effective Projected Area (EPA).
- Meets 2G vibration level per ANSI C136.31-2010.

LED & Optical Assembly

- Photometric system utilizes GE’s advanced reflective LED optical system providing high uniformity, and excellent light distribution.
- Utilizes high brightness LEDs, 70CRI at 3000K, 4000K and 5000K.

Lumen Maintenance

- Projected L90>50,000 hours per IES TM-21
- Projected Lxx per IES TM-21 at 25°C for reference:

<table>
<thead>
<tr>
<th>SKU</th>
<th>LXX [10K]@HOURS</th>
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<tbody>
<tr>
<td></td>
<td>25,000 HR</td>
</tr>
<tr>
<td>EFNB</td>
<td>L98</td>
</tr>
</tbody>
</table>

NOTES: 1) Projected Lxx based on LM-80 (10,000 hour testing).
2) DOE Lighting Facts Verification Testing Tolerances apply to initial luminous flux and lumen maintenance measurements.

Lumen Ambient Temperature Factors:

<table>
<thead>
<tr>
<th>LUMEN AMBIENT TEMPERATURE FACTORS:</th>
<th>AMBIENT TEMPERATURE (°C)</th>
<th>INITIAL FLUX FACTOR</th>
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<tbody>
<tr>
<td>10</td>
<td>1.02</td>
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<tr>
<td>20</td>
<td>1.01</td>
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<td>0.98</td>
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</tr>
<tr>
<td>50</td>
<td>0.97</td>
<td></td>
</tr>
</tbody>
</table>

Ratings

- Listed, suitable for wet locations.
- Temperature rated at ~40° to 50°C.
- Compliant with the material restriction requirements of RoHS.

Mounting

Option T
- Trunnion, pre-wired with 3ft #14/3 cable.

Option K
- Knuckle Slipfitter for 1.9” to 2.38” OD Tenon, pre-wired with 24-inch (610mm) leads.

Option S
- Knuckle Slipfitter mounting for 2.3-3” O.D. pipe, pre-wired with 24-inch (610mm) leads.

Option V
- Knuckle Wall Mount, pre-wired with 24-inch (610mm) leads.

Finish

- Corrosion resistant polyester powder painted, minimum 2.0 mil. thickness.
- Standard colors: Black & Dark Bronze.
- RAL & custom colors available.

Electrical

- 120-277 VAC and 347-480 VAC available.
- System power factor is >90% and THD <20%.
- ANSI C136.41 7-pin dimming receptacle, standard.
- ANSI photo electric sensors (PE) available for all voltages. Light Grid compatible.
- Dimming/Occupancy:
  - Wired 0-10V continuous dimming
  - DALI digital dimming. Contact manufacturer for availability.
  - Standalone motion sensor based dimming using “H” option code.
- Surge Protection per ANSI C136.2-2015.
  - 6kV/3kA “Basic” surge protection, standard.
  - 10kV/5kA “Enhanced” surge protection optional.

Accessories

- PE Accessories - See Page 3

# Ordering Number Logic

## Evolve LED Flood Light N Series (EFNB)

<table>
<thead>
<tr>
<th>PROD. ID</th>
<th>PHOTOMETRIC SERIES</th>
<th>VOLTAGE</th>
<th>OPTICAL CODE</th>
<th>CRI</th>
<th>LED COLOR TEMP</th>
<th>PE FUNCTION</th>
<th>MOUNTING ARM</th>
<th>COLOR</th>
<th>OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>E = Evolve</td>
<td>B = Photometric Series “B”</td>
<td>0 = 120-277V</td>
<td>70 = (min)</td>
<td>30 = 3000K</td>
<td>40 = 4000K</td>
<td>50 = 5000K</td>
<td>T = Trunnion, pre-wired with 3 ft #14/3 cable, standard</td>
<td>D = External Dimming leads provided 10-20 Volt Input</td>
<td>F = Fusing</td>
</tr>
<tr>
<td>F = Flood Light</td>
<td>N = Housing Series</td>
<td>1 = ANSI C136.41</td>
<td>17-wire receptacle</td>
<td>X = Knuckle Slipfitter for 1.9 in to 3 in OD Trunnion</td>
<td>V = Knuckle Wall Mount</td>
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<td>7 = 347/480V</td>
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## PE Accessories (to be ordered separately)

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<td>93029237</td>
<td>PED-MV-LED-7</td>
<td>ANSI C136.41 Dimming PE, 120-277V</td>
</tr>
<tr>
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<td>PED-347-LED-7</td>
<td>ANSI C136.41 Dimming PE, 347V</td>
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## OPTICAL CODE

### TYPE N

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<th>TYPE</th>
<th>TYPICAL INITIAL LUMENS 3000K</th>
<th>TYPICAL SYSTEM WATTAGE</th>
<th>BUG RATINGS 3000K &amp; 5000K</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Asymmetric Forward</td>
<td>4,000</td>
<td>4,300</td>
<td>44</td>
</tr>
<tr>
<td>B</td>
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<td>5,800</td>
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<tr>
<td>C</td>
<td>Asymmetric Forward</td>
<td>7,500</td>
<td>8,000</td>
<td>70</td>
</tr>
<tr>
<td>D</td>
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<td>9,200</td>
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<tr>
<td>E</td>
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<td>C</td>
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<tbody>
<tr>
<td>A</td>
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<td>44</td>
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<td>C</td>
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<td>Asymmetric Wide</td>
<td>9,900</td>
<td>10,500</td>
<td>89</td>
</tr>
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<td>E</td>
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### SPOT

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</thead>
<tbody>
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<td>6,700</td>
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<td>C</td>
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### WIDE FLOOD

<table>
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<th>TYPICAL INITIAL LUMENS 3000K</th>
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<th>BUG RATINGS 3000K &amp; 5000K</th>
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<tbody>
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### EXTRA WIDE FLOOD

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<tbody>
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<tr>
<td>B</td>
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<td>6,600</td>
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<tr>
<td>C</td>
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<td>E</td>
<td>100° Extra Wide Flood</td>
<td>12,300</td>
<td>13,100</td>
<td>98</td>
</tr>
</tbody>
</table>

## Contact Information

Contact manufacturer for other colors.
Photometrics

EFNB Type IV - Asymmetric Forward (F4)
13,700 Lumens, 5000K (EFNB_F4750___.IES)
Fixture mounted at 0° Horizontal

EFNB Type IV - Asymmetric Forward (A4)
4,300 Lumens, 5000K (EFNB_A4750___.IES)
Fixture mounted at 0° Horizontal

EFNB Type III - Asymmetric Wide (F3)
14,700 Lumens, 5000K (EFNB_F3750___.IES)
Fixture mounted at 0° Horizontal

EFNB Type III - Asymmetric Wide (A3)
4,600 Lumens, 5000K (EFNB_A3750___.IES)
Fixture mounted at 0° Horizontal

EFNB Type II - Asymmetric Narrow (F2)
14,400 Lumens, 5000K (EFNB_F2750___.IES)
Fixture mounted at 0° Horizontal

EFNB Type II - Asymmetric Narrow (A2)
4,500 Lumens, 5000K (EFNB_A2750___.IES)
Fixture mounted at 0° Horizontal
Photometrics

EFNB – 20° Spot (FS)
15,900 Lumens, 5000K (EFNB_FS750____IES)

EFNB – 20° Spot (AS)
5,000 Lumens, 5000K (EFNB_AS750____IES)

EFNB – 80° Wide Flood (FW)
16,000 Lumens, 5000K (EFNB_FW750____IES)

EFNB – 80° Wide Flood (AW)
5,000 Lumens, 5000K (EFNB_AW750____IES)

EFNB – 100° Extra Wide Flood (FE)
15,600 Lumens, 5000K (EFNB_FE750____IES)

Extra Wide Flood (AE)
4,900 Lumens, 5000K (EFNB_AE750____IES)
Product Dimensions
Flood Light Slipfitter Mount

**ISOMETRIC VIEW**

**FRONT VIEW**

**SIDE VIEW**

- **Approximate Net Weight:** 21 lbs (9.52 kgs)
- **Effective Projected Area (EPA) with Knuckle Mount:** 0.56 sq ft max (0.05 sq. m)
Product Dimensions
Flood Light Wall Mount

- Approximate Net Weight: 21 lbs (9.52 kgs)
- Effective Projected Area (EPA) with Knuckle Mount: 0.43 sq ft max (0.04 sq. m)
Product Dimensions
Flood Light Trunnion

**ISOMETRIC VIEW**

**FRONT VIEW**

**SIDE VIEW**

- Approximate Net Weight: 22 lbs (9.97 kgs)
- Effective Projected Area (EPA) with Trunnion Mount: 0.39 sq ft max (0.03 sq. m)

www.currentbyge.com
Evolve™ LED Wall Pack
N Series (EWNB)

current
powered by GE
The next generation of the GE Evolve™ LED Wall Pack is designed to efficiently illuminate walkways, area, and general lighting applications. The EWNB features an advanced LED optical system that provides high uniformity, excellent vertical light distribution, reduced on-site glare and effective security light levels. The EWNB Wall Pack offers identical photometrics to the EANB Area Light, which allows lighting designers to capitalize on the same features without compromising site layouts. In keeping with a sleek design strategy, this product offers a modern look, balancing the need for photometric scalability with reliable workhorse performance.

Applications
- Wall mounted, site, area and general lighting utilizing an advanced LED optical system providing uniformity, vertical light distribution, reduced on-site glare and effective security light levels.

Housing
- Die-cast aluminum housing.
- Slim architectural design incorporates an integral heat sink and light engine, ensuring maximum heat transfer, long LED life, and a reduced Effective Projected Area (EPA).
- Meets 1G vibration level per ANSI C136.31-2001. For 2G rating contact manufacturer.

LED & Optical Assembly
- Structured LED array for optimized area light and wall pack photometric distribution.
- Evolve™ LED light engine utilizes reflective technology to optimize application efficiency and minimize glare.
- Utilizes high brightness LEDs, 70 CRI at 3000K, 4000K & 5000K typical.

Lumen Maintenance
- Projected L90>50,000 hours per IES TM-21
- Projected Lxx per IES TM-21 at 25°C for reference:

<table>
<thead>
<tr>
<th>SKU</th>
<th>L98</th>
<th>L95</th>
<th>L90</th>
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<tbody>
<tr>
<td>EWNB</td>
<td>25,000 HR</td>
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<td>100,000 HR</td>
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Lumen Ambient Temperature Factors:

<table>
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<tr>
<th>AMBIENT TEMPERATURE (°C)</th>
<th>INITIAL FLUX FACTOR</th>
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<tbody>
<tr>
<td>10</td>
<td>1.02</td>
</tr>
<tr>
<td>20</td>
<td>1.01</td>
</tr>
<tr>
<td>25</td>
<td>1.00</td>
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<tr>
<td>30</td>
<td>0.99</td>
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<tr>
<td>40</td>
<td>0.98</td>
</tr>
<tr>
<td>50</td>
<td>0.97</td>
</tr>
</tbody>
</table>

Ratings
- UL listed, suitable for wet locations.
- Temperature rated at -40° to 50°C.
- Upward Light Output Ratio (ULOR) = 0
- Title 24 compliant with “H” motion sensor option.
- Compliant with the material restriction requirements of RoHS.

Mounting
- Flush wall mount with convenient tab and slot mounting for easy “J” box installation. 1/2” conduit holes are included for non-“J” box installation.

Finish
- Corrosion resistant polyester powder painted, minimum 2.0 mil. thickness.
- Standard colors: Black and Dark Bronze.
- RAL & custom colors available.

Electrical
- 120-277 VAC and 347-480 VAC available.
- System power factor is >90% and THD <20%.
- ANSI C136.41 7-pin dimming receptacle, standard.
- ANSI photo electric sensors (PE) available for all voltages. Light Grid compatible.
- Dimming/Occupancy:
  - Wired 0-10V continuous dimming
  - DALI digital dimming. Contact manufacturer for availability.
  - Standalone motion sensor based dimming using “H” option code.
- Surge Protection per ANSI C136.2-2015.
  - 6kV/3kA "Basic" surge protection, standard.
  - 10kV/5kA “Enhanced” surge protection optional.
- EMI: Title 47 CFR Part 15 Class A

Accessories
- Escutcheon Plates - See page 6
- PE Accessories - See Page 3

### Ordering Number Logic

#### Evolve LED Wall Pack N Series (EWNB)

<table>
<thead>
<tr>
<th>PROD. ID</th>
<th>PHOTOMETRIC SERIES</th>
<th>VOLTAGE</th>
<th>OPTICAL CODE</th>
<th>CRI</th>
<th>LED COLOR TEMP</th>
<th>PE FUNCTION</th>
<th>MOUNTING ARM</th>
<th>COLOR</th>
<th>OPTIONS</th>
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<tbody>
<tr>
<td>E = Evolve</td>
<td>B = Photometric Series &quot;B&quot;</td>
<td>0 = 120-277V*</td>
<td>40 = 4000K</td>
<td>50 = 5000K</td>
<td>7 = 70 (min)</td>
<td>1 = None</td>
<td>N = None Required</td>
<td>D = External Dimming Leads Provided</td>
<td>F = Fusing</td>
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<tr>
<td>W = Wall Pack</td>
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<td>1 = 120</td>
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<td>D = 347</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>H = 347-480V*</td>
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*Not available with fusing. Must choose a discreet voltage with F Option.*

#### Typical Initial Lumens

<table>
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<tr>
<th>TYPE</th>
<th>TYPICAL INITIAL LUMENS</th>
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<th>4000K</th>
<th>5000K</th>
</tr>
</thead>
<tbody>
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<td>TYPE I</td>
<td>4,000</td>
<td>4,300</td>
<td>4,400</td>
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<tr>
<td>TYPE II</td>
<td>5,800</td>
<td>6,200</td>
<td>6,500</td>
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#### Typical System Wattage

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<th>347-480V</th>
<th>208-277V</th>
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<tbody>
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<td>9,800</td>
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<td>9,800</td>
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#### IES File Number

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<td>EWNB_A740_IES</td>
<td>EWNB_A6750_IES</td>
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#### PE Accessories (to be ordered separately)

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<th>SAP Number</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>93029237</td>
<td>PED-MV-LED-7</td>
<td>ANSI C136.41 Dimming PE, 120-277V</td>
</tr>
<tr>
<td>93029238</td>
<td>PED-347-LED-7</td>
<td>ANSI C136.41 Dimming PE, 347V</td>
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<td>93029239</td>
<td>PED-480-LED-7</td>
<td>ANSI C136.41 Dimming PE, 480V</td>
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<table>
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<td>28294</td>
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<td>STANDARD 480V</td>
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<td>80436</td>
<td>PECSTL</td>
<td>STANDARD 347V</td>
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<td>73251</td>
<td>SCCL-PECTL</td>
<td>Shorting cap</td>
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</table>
Photometrics

**EWNB Type II - Asymmetric Narrow (F2)**
14,400 Lumens, 5000K (EWNB_F2750_.IES)

**EWNB Type II - Asymmetric Narrow (A2)**
4,500 Lumens, 5000K (EWNB_A2750_.IES)

**EWNB Type III - Asymmetric Wide (F3)**
14,700 Lumens, 5000K (EWNB_F3750_.IES)

**EWNB Type III - Asymmetric Wide (A3)**
4,600 Lumens, 5000K (EWNB_A3750_.IES)

**EWNB Type IV - Asymmetric Forward (F4)**
13,700 Lumens, 5000K (EWNB_F4750_.IES)

**EWNB Type IV - Asymmetric Forward (A4)**
4,300 Lumens, 5000K (EWNB_A4750_.IES)
Product Dimensions

Isometric View

Top View

Front View

Side View

Back View

DATA
• Approximate Net Weight: 17 lbs (7.71 kgs)
• Effective Projected Area (EPA): 0.42 sq ft max (0.04 sq. m)
Accessories:

Escutcheon Plates
Cover unsightly debris and marks left behind from replacing HID product with escutcheon plates. Available in square and rectangular sizes, as well as in an assortment of colors to match the luminaire. Accessories are ordered and shipped separately from the luminaire.

H-Motion Sensing Option:

- Intended for mounting applications between 8-25ft.
- Provides a coverage area radius for walking motion of 15-20ft (4.57-6.10m).
- Provides 180° of coverage (~180° is blocked by the wall).
- Delivered factory setting of 50% dimmed light output with no occupancy.
- May be reprogrammed using additional remote programmer.
  Remote Programmer part number: WS FSIR-100 PROGRAMMER (197634).
- Photoelectric control is integrated through the motion sensor, and is offered as standard.

Sensor Pattern:

Street Side

Sensing Pattern Wall Pack Fixture
8 – 25 ft.
### Calculation Summary

<table>
<thead>
<tr>
<th>Site Designed</th>
<th>Light Level</th>
<th>Description</th>
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<tbody>
<tr>
<td>North Entrance 30'</td>
<td>0.9</td>
<td>Trespass</td>
</tr>
<tr>
<td>North Entrance 5'</td>
<td>1.68</td>
<td>Tilt: 0</td>
</tr>
<tr>
<td>North Entrance 60'</td>
<td>2.50</td>
<td>Tilt: 0</td>
</tr>
<tr>
<td>South Entrance 30'</td>
<td>0.4</td>
<td>Trespass</td>
</tr>
<tr>
<td>South Entrance 5'</td>
<td>0.882</td>
<td>Tilt: 45</td>
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<tr>
<td>South Entrance 60'</td>
<td>1.9</td>
<td>Tilt: 45</td>
</tr>
</tbody>
</table>

#### Site Notes:
- Decorative fixtures left as is circled in Orange.
- LED fixtures left as is circled in Green.
- New fixtures circled in Blue.
- Fixtures affected in new design changed circled in Red.
- All floodlights have 45° angle no greater than 45° degrees.
- Some areas near building not to JPMC spec but will be lit by unmodeled fixtures.

#### Site Designed to follow New York State ATM spec requirements following local ordinance Chapter 117.12 Automatic Teller Machine Lighting to allow exceeded maximum light levels to comply with state ATM spec.