T.F. BERNIER, INC.
Land Surveyors~Designers~Consultants

50 Pleasant Street, P.O. Box 3464
Concord, NH 03302-3464

Environmental Permitting
State and Local Permitting
Land Surveying
Aerial Mapping
Aerial Photography

Tel. (603) 224-4148
Fax (603) 224-0507

April 3, 2023

Seth Creighton, Planning Director
City of Franklin
Henry J. Proulx Center
124 Memorial Street
Franklin, NH 03235

Re: Site Plan Application - Map T7 Lot 103-406
GMI Acquisition, LLC
Punch Brook Road

Dear Mr. Creighton and Members of the Board:

Please find enclosed a Site Plan application for Lot 103-406 as shown on the City of Franklin Assessor's Map T7. The proposal is to construct a new 38' x 50' x ±30' tall garage maintenance building to serve as an accessory building to the existing asphalt plant on the lot. The design elevation drawings are attached, as well as photos of the same building, only the proposed building roof will be brown. The building will be serviced by a new well and septic system (NHDES septic approval pending). New utilities will be underground from the nearest utility pole on the same side of the road. The building will be located mostly in an existing gravel yard/storage area along an entrance drive to the plant- a part of the existing industrial operation, so there is minimal increase in impervious surface. Drainage patterns will remain substantially the same, with runoff continuing to be directed to flat areas and shallow depressions on the lot for infiltration into the sand & gravel soils.

The garage will be for the safe storage of tools used for the maintenance of the asphalt plant. There will be maintenance performed on removable parts of the plant, tools, and some of the mobile equipment used at the operation. There would be (4) 55 gallon drums or less with fluids such as hydraulic oil, gear lube, and engine oil. The drums are kept on containment pallets in accordance with GMI's State Tank Permit and the SWPPP.

GMI would also like to display 3-5 small piles of landscaping/earth materials (bark mulch, screened loam, ledge pack and decorative round stone) on Lot 103-406 near the intersection of Route 3, (see sheet 1 inset for detail). These materials will be placed in small, neat, rounded piles

to serve as a visual advertising display for the materials that are sold and loaded up the hill at GMI's gravel operation on Lot 103-405, (34 Punch Brook Road). The proposed location of the piles is shown on sheet 1 of the plan set. The area where the piles will be placed is a flat, low point surrounded by berms with no off-site runoff. For many years the area formerly contained storage trailers and other construction equipment left by the previous owner, which GMI has since removed. They are in the process of improving the overall aesthetics and curb appeal of this area in anticipation of advertising their materials. The area is accessed only by GMI through a locked gate. A sign is to be placed on the gate directing the public up the hill to 34 Punch Brook Road for purchase and loading of the materials, with another sign at the entrance to 34 Punch Brook Road.

Lot 103-405 (34 Punch Brook Road) is an active gravel operation acquired by GMI from R.D. Edmunds in 2016. GMI continued operation of the retail yard on Lot 103-405 that had been in operation for many years. The retail operations were stopped in 2017, while wholesale material sales continued until today. GMI is now continuing the retail sales portion. No new use is proposed on this lot. The display piles on Lot 406 at the corner of Punch Brook Road and Route 3 will merely be advertising props, approximately 10' in diameter each, (in lieu of an advertising sign that had been there in the past).

The following waivers are requested to the Site Plan Regulations, a waiver request form is also attached.

Section

402-5(B)(9): A partial waiver to not show bearings or all distances on the entire lot boundary. Plans of record (referenced on sheet 1) have been held for the boundary. The site changes are only on small portions of the 17 acre lot, the boundary lines and existing conditions are shown in the areas of the proposed changes.

402-5(F)(2): To not have an Illumination Plan. The lighting is minimal, only three building mounted down-facing lights. A typical light detail is shown on the plan and spec sheets of a typical light are attached.

402-5(F)(5&7): To not have Landscaping by a Landscape Architect, as the site is fairly simple on this Industrial Use lot. For many years the area of the proposed garage has been a gravel yard with storage of various construction equipment, storage trailers and piles of materials/debris relative to the asphalt plant on the lot, (it is a part of their working yard & operation). The new garage building and associated regrading will be an overall aesthetic improvement to this area. The existing vegetative buffer between the building and the road will remain and newly graded 3:1 slopes will be loamed and seeded.

The area where material piles will be displayed at the intersection of Route 3 is only for display of landscape materials. This area has been cleaned up considerably since GMI bought the property, removing old trailers and equipment. The landscape materials will be displayed in neat, orderly rounded piles, fronted by a grass berm

along Route 3. Two 6'coniferous trees are also to be transplanted from elsewhere on Lot 103-406 to this area as shown on plan sheet 1 inset.

402-5(G)(1a): To not have a Stormwater Management Plan. There is very minimal change to the amount of impervious surface on the site at the new garage- the area has been a gravel yard with storage containers, equipment and piles. There will be no change to the overall drainage pattern through the area. Runoff will continue to be contained within the lot in accordance with the SWPPP, sheet flowing into depressions and flat areas, allowing infiltration into the highly permeable sandy soils. Additionally, stone infiltration trenches will be constructed under the roof drip edges to promote infiltration of the roof runoff. The NRCS soils data- highly permeable sand is verified by the exposed soil throughout the entire lot from Route 3 to the Transfer Station (the lot was formerly sand pit). Three test pits performed in the area of the site work also confirms the highly permeable soils. The SWPPP for the site requires there to be no off-site discharges.

At the location of the display piles near Route 3: The gravel base that was recently laid down in the westerly part of this low area is to be removed and the area will remain native sandy soil. The area is a depression surrounded by berms and no impervious is proposed.

The following waiver is also requested to the City of Franklin Driveway Regulations, pertaining to Lot 103-405 (34 Punch Brook Road)

149-6(B): To permit the existing driveway with sight distances of less than 400' in both directions. The driveway has been in use for decades as a gravel operation and for wholesale and retail sale of materials. The sight distance up the hill to the west is approximately 335', and downhill toward Route 3 approximately 285'. Generally accepted safe stopping site distance on a 30 m.p.h. road is 200', for a 35 m.p.h. road it is 250'.

Thank you for your time and consideration of this application. If you have any questions or need additional information, please give us a call.

Sincerely,
T.F. BERNIER, INC.

Jonathan Crowdes
Project Manager

enclosures

cc: file 521-02

CITY OF FRANKLIN
SITE PLAN REVIEW APPLICATION

Location of Proposed Development: 33 Punch Brook Road New Map #: _____
Parcel ID (Map/Lot #): Map T7 Lot 103-406 Zoning of Parcel: I-1

Applicant
Name: GMI Acquisition, LLC
Address: 288 Laconia Road
City/State/Zip: Belmont, NH 03220
Phone: 603-630-2884
Email: neil@gmiasphalt.com

Owner of Record
Name: same as applicant
Address: _____
City/State/Zip: _____
Phone: _____
Email: _____

Applicant's Agent/Engineer
Name: T.F. Bernier, Inc. - Timothy Bernier
Address: P.O. Box 3464
City/State/Zip: Concord, NH 03302
Phone: 603-224-4148
Email: tim@tfbinc.com

Other (if Applicable)
Name: _____
Address: _____
City/State/Zip: _____
Phone: _____
Email: _____

Development Proposal, Please explain: Construct a new 38'x50' garage maintenance building on Lot 103-406. This is an accessory building related to the asphalt plant operation on the lot. There will be new underground utilities to the building from the nearest utility pole on the same side of the road, a new well and septic system. The owners also wish to display piles of materials on Lot 103-406 near Route 3. The piles are advertising materials sold at their gravel operation on Lot 103-405, such as bark mulch and stone.

Information:

Number of Proposed Buildings/Units: 1
Frontage on What Road(s): Punch Brook Road

Services Available: **Sewer** Municipal ☐ Septic ☒ **Water** Municipal ☐ Well ☒
Non-Municipal Services Proposed/Available, Explain: (future) on-lot well and septic. (lot is 17 acres, sandy soils)

Site in Acres 17 Acres Developable Acres >12

Are waiver's requested, and if so, please fill out attached Waiver Request sheet: ☒ Yes ☐ No

Zoning Board Approvals Granted: ☐ Variance ☐ Special Exception ☐ Other ☒ None
Please Explain: _____
Dates Granted: _____

Does this submission represent an amended plan: ☐ Yes ☒ No
Date approval Granted: _____
Conditions of Approval: _____

Was a conceptual plan submitted to the Planning Board: ☐ Yes ☒ No
Date approval Granted: _____
Conditions of Approval: _____

Signature of Applicant: _____ Date: 3/30/23

SITE PLAN APPLICATION

REQUEST FOR WAIVER

(Sec. 402-6 C)

WAIVER PROCEDURE

The board may, for good cause, waive requirements as to the site plan and supporting data.

DATE: April 3, 2023

Planning Board
City of Franklin
316 Central Street
Franklin, New Hampshire 03235

RE: Request for Waiver/Site Plan
Tax Map/Lot # Map T7 Lot 103-406

Dear Board Members:

As applicant for the above, a waiver is requested of the following site plan review requirements:

ITEM	SECTION	REASON FOR WAIVER
Bearings and Distances	402-5(B)(9)	partial waiver, see cover narrative.
Illumination Plan	402-5(F)(2)	minimal lighting, see cover narrative
Landscaping Plan	402-5 (F)(5)&(7)	none proposed, see cover narrative
Stormwater & Erosion Control plans	402-5(G)(1a,b)	see cover narrative
Driveway Regs Site Distance (Lot 405)	149-6(B) - sight distance	existing drive/use, see cover narrative

Thank you for your consideration.

Sincerely,

T.F. Bernier, Inc. (Agent)

Applicant's Name

GMI Acquisition, LLC (c/o Warren Colby)
288 Laconia Road
Belmont, NH 03220

City of Franklin
Planning Board
Henry J. Proulx Center
124 Memorial Street
Franklin, NH 03235

RE: Site Plan Map T7 Lot 103-406

To Whom It May Concern:

I Warren Colby, as owner of Map T7 Lot 103-406 do hereby give permission for T.F. Bernier, Inc., P.O. Box 3464, Concord, New Hampshire, to represent GMI Acquisition, LLC, before the City of Franklin Planning Board relative to the Application for Site Plan approval, and any related matters.

Warren Colby
GMI Acquisition, LLC

T.F. BERNIER, INC.
Land Surveyors~Designers~Consultants

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Concord, NH 03302-3464

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Abutters List
GMI Acquisition, LLC
33 Punch Brook Road
Tax Map T7 Lot 103-406

MAP	LOT	OWNER
T7	103-406 103-405	GMI Acquisition, LLC 288 Laconia Road Franklin, NH 03235
T7	103-2	Richard & Laura Swanson 40 Daniel Webster Highway Boscawen, NH 03301
T7	103-5	Harry Sanders P.O. Box 600578 Newtonville, MA 02460
T7	103-6	James M. Blount 2 Punch Brook Road Franklin, NH 03235
T6	82-409	Concord Regional Solid Waste Resource Recovery Cooperative P.O. Box 157 Franklin, NH 03235
T6	83-12	City of Franklin 316 Central Street Franklin, NH 03235
S7	102-9 102-402	Franklin Commons Realty Group, LLC 70 Industrial Park Drive Franklin, NH 03235
Railroad		State of New Hampshire Department of Transportation (Bureau of Rail & Transit) P.O. Box 483 7 Hazen Drive Concord, NH 03302-0483

Professional Consultants

Timothy F. Bernier, LLS, CWS
T. F. Bernier, Inc.
PO Box 3464
Concord, NH 03302-3464

April 3, 2023

Site Plan Application fees

RE: Site Plan Application – Map T7 Lot 103-406
GMI Acquisition, LLC
33 Punch Brook Road

Dear Director Creighton:

Please find the attached the following Site Plan application fees:

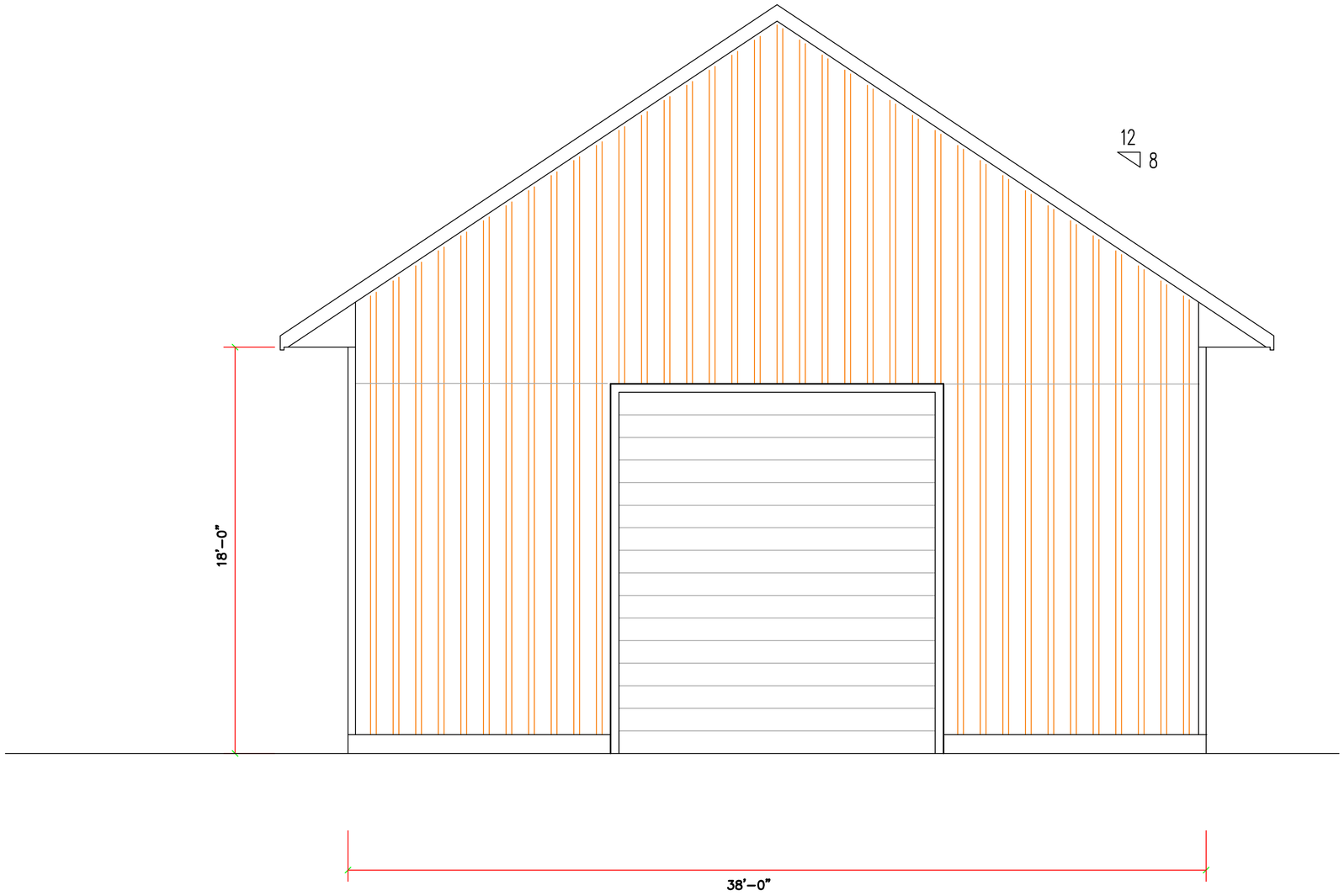
Abutters notices
$10.00/abutter X 9 notices= $90.00

Base Fee – Industrial: $200.00

Building
$0.05/sq ft up to 10,000 sq ft x (1,900 sq ft) = $95.00

Parking/paving
$0.02/sq ft up to 10,000 sq ft x (700 sq ft) = $14.00

Total Application Fees for Planning Board Meeting: $392.00



DRAFT – FOR APPROVAL

1/4" SCALE
ALL DIMENSIONS TO BE FIELD VERIFIED AND CHANGES MADE ACCORDINGLY

THESE PLANS ARE DIAGRAMATICAL ONLY
THIS PLAN DOES NOT COVER ALL ASPECTS OF BUILDING THIS BUILDING
ALL CONSTRUCTION PRACTICES TO FOLLOW LOCAL AND STATE BUILDING CODES
THE GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL BUILDING CODES AND MEMBER SIZING
THE GENERAL CONTRACTOR SHALL RESEARCH ZONING AND SITE LIMITATIONS PRIOR TO START OF CONSTRUCTION
THE GENERAL CONTRACTOR (OR PURCHASER OF PLANS IF NO G.C.) ASSUMES FULL RESPONSIBILITY FOR USE OF THIS PLAN OR ANY PART THERE OF

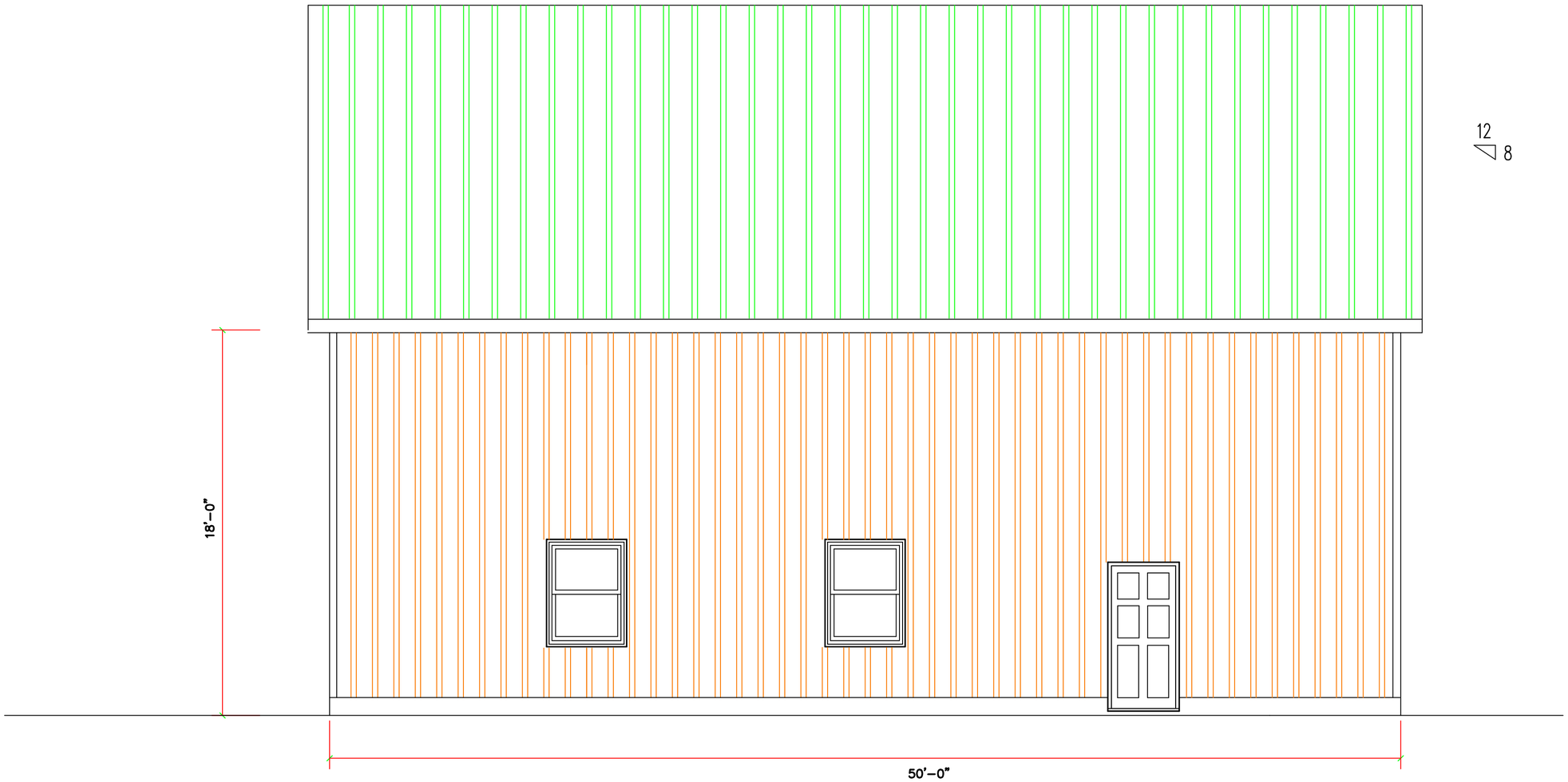
CYR LUMBER & HomeCenter
39 Rockingham Road, Rt 28 Windham, NH 03087
(603) 898–5000 www.cyrlumber.com

REVISION	DATE

DATE:

GMI ASPHALT
MAINTENENCE BUILDING
BOSCAWEN, NH

FRONT
VIEW



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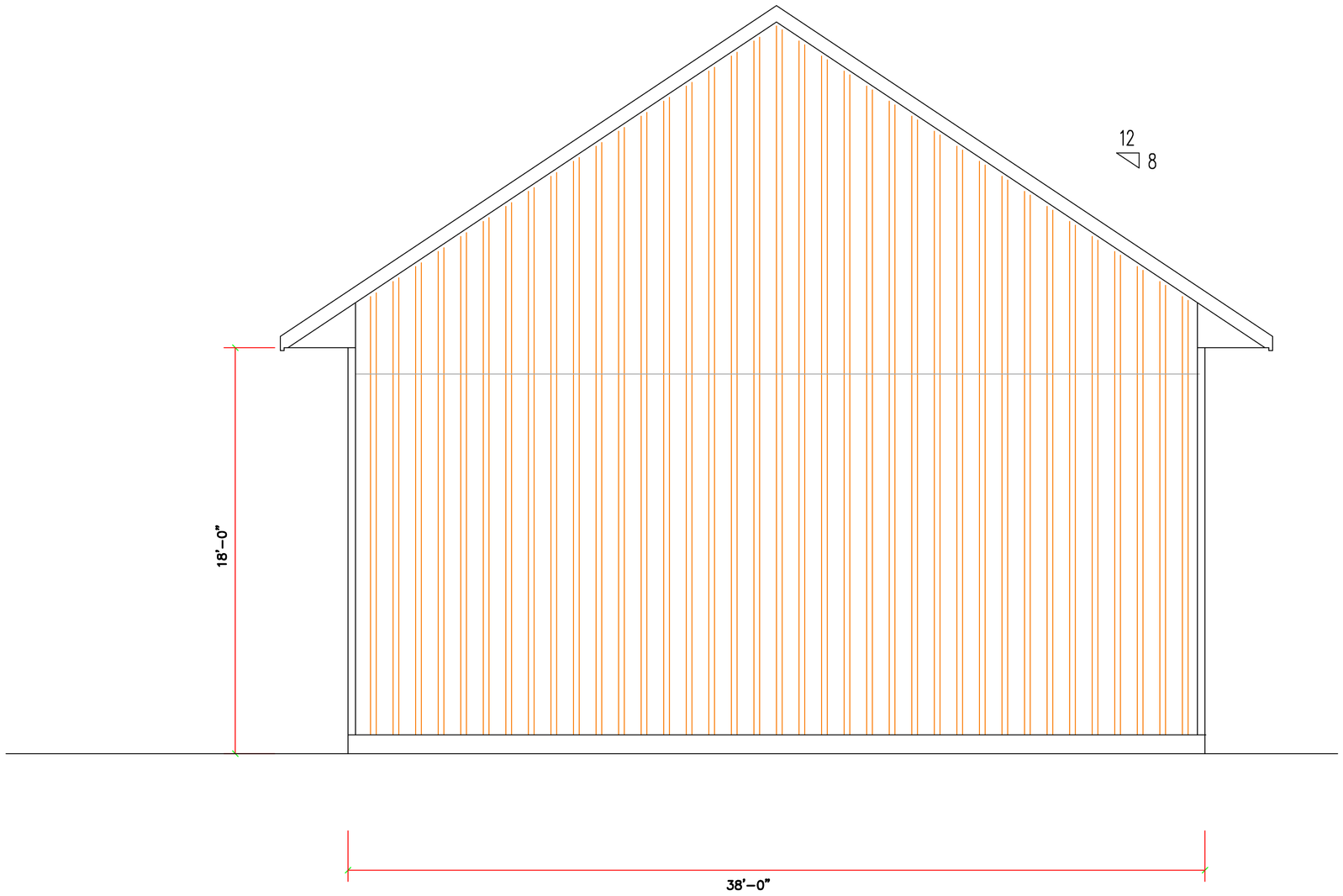
GMI ASPHALT
MAINTENENCE BUILDING
BOSCAWEN, NH

LEFT
VIEW



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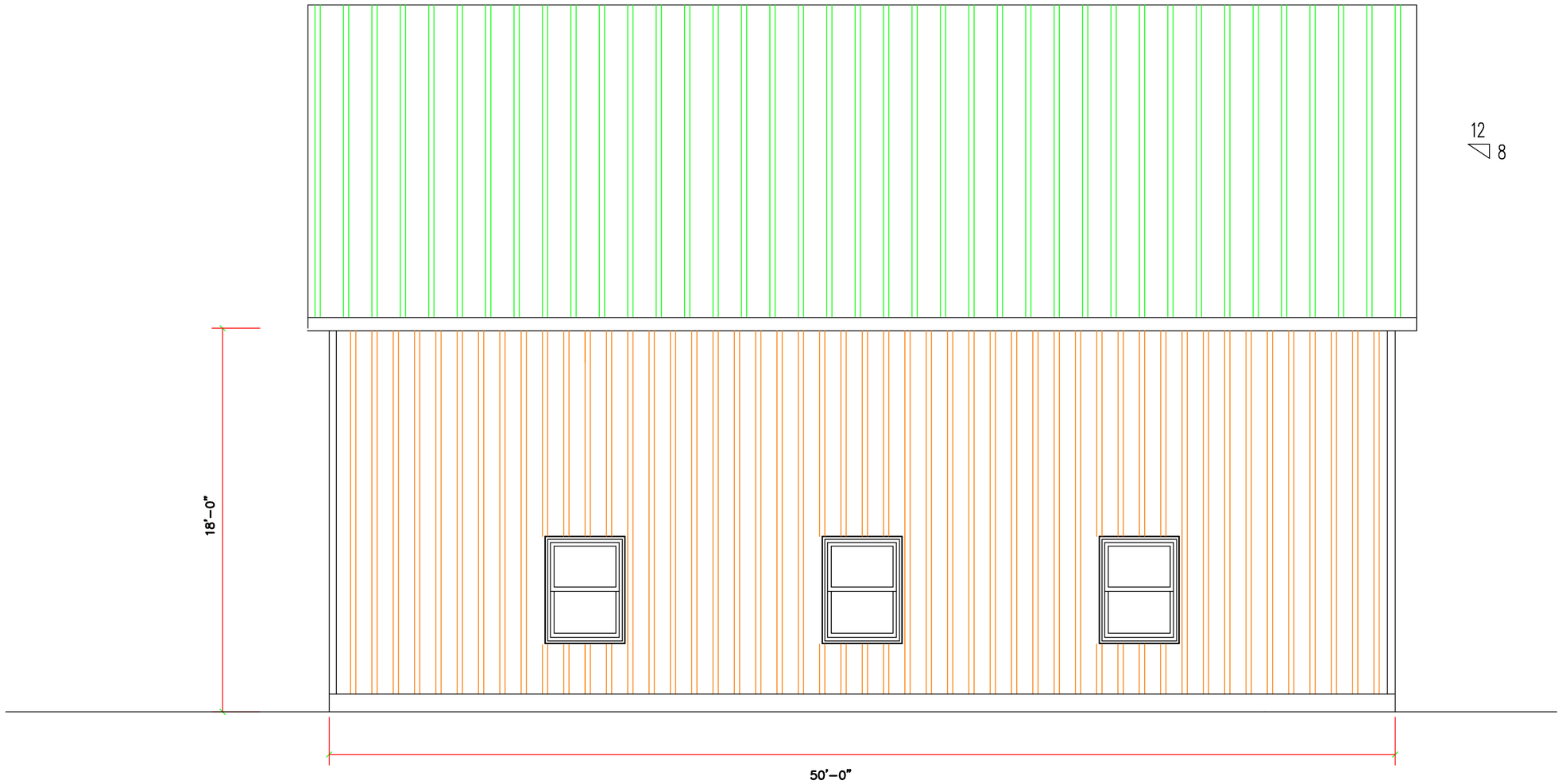
REVISION	DATE

DATE:

GMI ASPHALT
MAINTENENCE BUILDING
BOSCAWEN, NH

REAR
VIEW



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REVISION	DATE

DATE:

GMI ASPHALT
MAINTENENCE BUILDING
BOSCAWEN, NH

RIGHT
VIEW

WDGE2 LED

Architectural Wall Sconce
Precision Refractive Optic

Buy American

Catalog Number

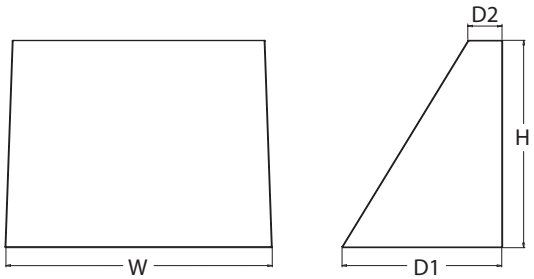
Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

Depth (D1): 7"
Depth (D2): 1.5"
Height: 9"
Width: 11.5"
Weight: (without options) 13.5 lbs



Introduction

The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE family provides additional energy savings and code compliance.

WDGE2 with industry leading precision refractive optics provides great uniform distribution and optical control. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

WDGE LED Family Overview

Luminaire	Optics	Standard EM, 0°C	Cold EM, -20°C	Sensor	Approximate Lumens (4000K, 80CRI)						
					P0	P1	P2	P3	P4	P5	P6
WDGE1 LED	Visual Comfort	4W		--	750	1,200	2,000	--	--	--	--
WDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight	--	1,200	2,000	3,000	4,500	6,000	--
WDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200	--	--
WDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight	--	7,500	8,500	10,000	12,000	--	--
WDGE4 LED	Precision Refractive			Standalone / nLight	--	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WDGE2 LED P3 40K 80CRI VF MVOLT SRM DDBXD

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
WDGE2 LED	P0[1]	27K 2700K	70CRI[4]	T1S Type I Short	MVOLT	**Shipped included**
	P1[2]	30K 3000K	80CRI	T2M Type II Medium	347[5]	SRM Surface mounting bracket
	P2[2]	40K 4000K	LW[3] Limited Wavelength	T3M Type III Medium	480[5]	ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only)[6]
	P3[2]	50K 5000K		T4M Type IV Medium		**Shipped separately**
	P4[2]	AMB[3] Amber		TFTM Forward Throw Medium		AWS 3/8inch Architectural wall spacer
						PBBW S urface-mounted back box (top, left, right conduit entry). Use when there is no junction box available.

Options

E10WH	Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min)
E20WC	Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min)
PE[7]	Photocell, Button Type
DMG[8]	0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)
BCE	Bottom conduit entry for back box (PBBW). Total of 4 entry points.

Standalone Sensors/Controls

PIR	Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.
PIRH	Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching
PIR1FC3V	Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation.
PIRH1FC3V	Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation.

Networked Sensors/Controls

NLTAIR2 PIR	nLightAIR Wireless enabled bi-level motion/ambient sensor for 8-15' mounting heights.
NLTAIR2 PIRH	nLightAIR Wireless enabled bi-level motion/ambient sensor for 15-30' mounting heights.

See page 4 for out of box functionality

Finish

DDBXD	Dark bronze
DBLXD	Black
DNAXD	Natural aluminum
DWHXD	White
DSSXD	Sandstone
DDBTXD	Textured dark bronze
DBLBXD	Textured black
DNATXD	Textured natural aluminum
DWHGXD	Textured white
DSSTXD	Textured sandstone

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com

Accessories

Ordered and shipped separately.

WDGEAWS DDBXD	WDGE 3/8inch Architectural Wall Spacer (specify finish)
WDGE2PBBW DDBXD U	WDGE2 surface-mounted back box (specify finish)

NOTES

1 P0 option not available with sensors/controls.
2 P1-P4 not available with AMB and LW.
3 AMB and LW always go together.
4 70CRI only available with T3M and T4M.
5 347V and 480V not available with E10WH or E20WC.
6 Not qualified for DLC. Not available with emergency battery backup or sensors/controls.
7 PE not available in 480V or with sensors/controls.
8 DMG option not available with sensors/controls.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)					Amber (Limited Wavelength)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P0	7W	T1S	636	92	0	0	0	666	97	0	0	0	699	101	0	0	1	691	100	0	0	1	712	47	0	0	1
		T2M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	0	0	0
		T3M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	0	0	0
		T4M	648	94	0	0	0	679	98	0	0	0	712	103	0	0	0	704	102	0	0	0	726	47	0	0	0
		TFTM	652	95	0	0	0	683	99	0	0	0	717	104	0	0	0	708	103	0	0	0	730	48	0	0	1
P1	11W	T1S	1,105	99	0	0	1	1,157	104	0	0	1	1,215	109	0	0	1	1,200	107	0	0	1					
		T2M	1,150	103	0	0	1	1,204	108	0	0	1	1,264	113	0	0	1	1,249	112	0	0	1					
		T3M	1,150	103	0	0	1	1,205	108	0	0	1	1,265	113	0	0	1	1,250	112	0	0	1					
		T4M	1,126	101	0	0	1	1,179	106	0	0	1	1,238	111	0	0	1	1,223	110	0	0	1					
		TFTM	1,133	101	0	0	1	1,186	106	0	0	1	1,245	112	0	0	1	1,230	110	0	0	1					
P2	19W	T1S	1,801	95	1	0	1	1,886	99	1	0	1	1,981	104	1	0	1	1,957	103	1	0	1					
		T2M	1,875	99	1	0	1	1,963	103	1	0	1	2,061	109	1	0	1	2,037	107	1	0	1					
		T3M	1,876	99	1	0	1	1,964	103	1	0	1	2,062	109	1	0	1	2,038	107	1	0	1					
		T4M	1,836	97	1	0	1	1,922	101	1	0	1	2,018	106	1	0	1	1,994	105	1	0	1					
		TFTM	1,847	97	1	0	1	1,934	102	1	0	1	2,030	107	1	0	1	2,006	106	1	0	1					
P3	32W	T1S	2,809	87	1	0	1	2,942	92	1	0	1	3,089	96	1	0	1	3,052	95	1	0	1					
		T2M	2,924	91	1	0	1	3,062	95	1	0	1	3,215	100	1	0	1	3,176	99	1	0	1					
		T3M	2,925	91	1	0	1	3,063	95	1	0	1	3,216	100	1	0	1	3,177	99	1	0	1					
		T4M	2,862	89	1	0	1	2,997	93	1	0	1	3,147	98	1	0	1	3,110	97	1	0	1					
		TFTM	2,880	90	1	0	1	3,015	94	1	0	1	3,166	99	1	0	1	3,128	97	1	0	1					
P4	47W	T1S	3,729	80	1	0	1	3,904	84	1	0	1	4,099	88	1	0	1	4,051	87	1	0	1					
		T2M	3,881	83	1	0	1	4,063	87	1	0	1	4,267	91	1	0	1	4,216	90	1	0	1					
		T3M	3,882	83	1	0	1	4,065	87	1	0	1	4,268	91	1	0	1	4,217	90	1	0	1					
		T4M	3,799	81	1	0	1	3,978	85	1	0	1	4,177	90	1	0	1	4,127	88	1	0	1					
		TFTM	3,822	82	1	0	1	4,002	86	1	0	1	4,202	90	1	0	1	4,152	89	1	0	1					

Performance Package	System Watts	Dist. Type	27K (2700K, 70 CRI)					30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P0	7W	T3M	737	107	0	0	0	763	111	0	0	0	822	119	0	0	0	832	121	0	0	1
		T4M	721	105	0	0	0	746	108	0	0	0	804	117	0	0	1	814	118	0	0	1
P1	11W	T3M	1,280	115	0	0	1	1,325	119	0	0	1	1,427	128	1	0	1	1,445	129	1	0	1
		T4M	1,253	112	0	0	1	1,297	116	0	0	1	1,397	125	0	0	1	1,415	127	0	0	1
P2	19W	T3M	2,087	110	1	0	1	2,160	114	1	0	1	2,327	123	1	0	1	2,357	124	1	0	1
		T4M	2,042	108	1	0	1	2,114	111	1	0	1	2,278	120	1	0	1	2,306	121	1	0	1
P3	32W	T3M	3,254	101	1	0	1	3,369	105	1	0	1	3,629	113	1	0	1	3,675	114	1	0	1
		T4M	3,185	99	1	0	1	3,297	103	1	0	1	3,552	111	1	0	1	3,597	112	1	0	1
P4	47W	T3M	4,319	93	1	0	1	4,471	96	1	0	1	4,817	103	1	0	2	4,878	105	1	0	2
		T4M	4,227	91	1	0	1	4,376	94	1	0	2	4,714	101	1	0	2	4,774	102	1	0	2

Electrical Load

Performance Package	System Watts	Current (A)					
		120Vac	208Vac	240Vac	277Vac	347Vac	480Vac
P0	7.0	0.061	0.042	0.04	0.039	--	--
	9.0	--	--	--	--	0.031	0.021
P1	11.0	0.100	0.064	0.059	0.054	--	--
	14.1	--	--	--	--	0.046	0.031
P2	19.0	0.168	0.106	0.095	0.083	--	--
	22.8	--	--	--	--	0.067	0.050
P3	32.0	0.284	0.163	0.144	0.131	--	--
	37.1	--	--	--	--	0.107	0.079
P4	47.0	0.412	0.234	0.207	0.185	--	--
	53.5	--	--	--	--	0.153	0.112

Lumen Output in Emergency Mode (4000K, 80 CRI, T3M)

Option	Lumens
E10WH	1,358
E20WC	2,230

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.93	>0.87

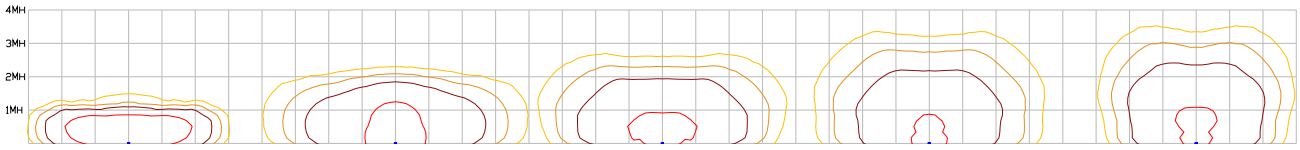
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WDGE LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.

LEGEND

- 0.25 fc
- 0.5 fc
- 1.0 fc
- 3.0 fc

MH = 10ft
Grid = 10ft x 10ft



"P3 40K 80CRI T1S" "P3 40K 80CRI T2M" "P3 40K 80CRI T3M" "P3 40K 80CRI T4M" "P3 40K 80CRI TFTM"

Emergency Egress Options

Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

Control / Sensor Options

Motion/Ambient Sensor (PIR_, PIRH_)

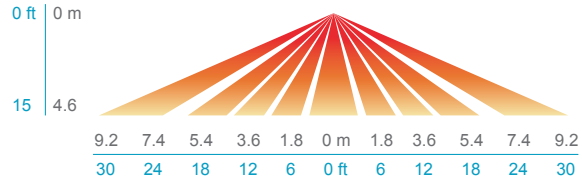
Motion/Ambeint sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment. The integrated photocell enables additional energy savings during daytime periods when there is sufficient daylight. Optimize sensor coverage by either selecting PIR or PIRH option. PIR option comes with a sensor lens that is optimized to provide maximum coverage for mounting heights between 8-15ft, while PIRH is optimized for 15-40ft mounting height.

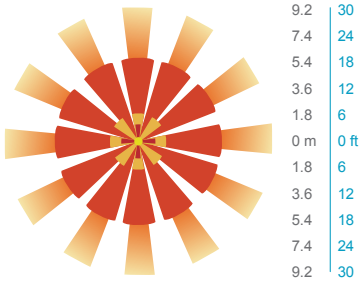
Networked Control (NLTAIR2)

nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLAIRITY™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

PIR

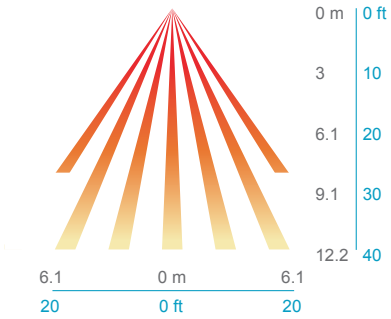
HIGH VIEW



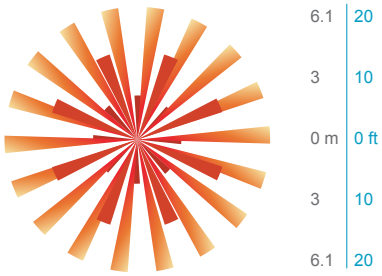


PIRH

SIDE VIEW



TOP VIEW



Option	Dim Level	High Level (when triggered	Photocell Operation	Motion Time Delay	Ramp-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIR1FC3V, PIRH1FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 1fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
NLTAIR2 PIR, NLTAIR2 PIRH (out of box)	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	7.5 min	5 min	Motion - 3 sec Photocell - 45 sec

Mounting, Options & Accessories

Motion/Ambient Sensor

D = 7"
H = 9" (Standalone controls)
11" (nLight AIR controls, 2" antenna will be pointing down behind the sensor)
W = 11.5"

PBBW – Surface-Mounted Back Box
Use when there is no junction box available.

D = 1.75"
H = 9"
W = 11.5"

AWS – 3/8inch Architectural Wall Spacer

D = 0.38"
H = 4.4"
W = 7.5"

FEATURES & SPECIFICATIONS

INTENDED USE
Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

CONSTRUCTION
The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

FINISH
Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS
Individually formed acrylic lenses are engineered for superior application efficiency which maximizes the light in the areas where it is most needed. The WDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2). Fixture ships standard with 0-10v dimmable driver.

INSTALLATION
A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS
CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 2700K and 3000K color temperature only and SRM mounting only.

BUY AMERICAN
This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FARS, DFARS and DOT. Please refer to www.acuitybrands.com/resources/buy-american for additional information.

WARRANTY
5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.