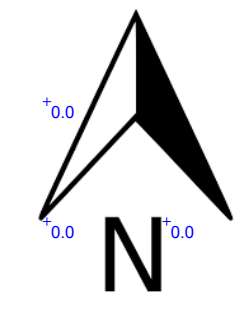




WASHINGTON SHIRE  
PHOTOMETRIC PLAN  
PREPARED FOR: ORMAN ENGINEERING  
GASSERBUSH ASSOCIATES  
WWW.GASSERBUSH.COM

Designer  
BK  
Date  
01/26/2024  
Scale  
Not to Scale  
Drawing No.  
#23-19369



Symbol	Label	Image	QTY	Manufacturer	Catalog	Description	Lamp Output	LLF	Input Power
	A1		7	Lithonia Lighting	DSX0 LED P5 30K 70CRI BLC4	D-Series Size 0 Area Luminaire P5 Performance Package 3000K CCT 70 CRI Type 4 Extreme Backlight Control	8715	0.9	90.12
	A2		3	Lithonia Lighting	DSX0 LED P7 30K 70CRI TFTM HS	D-Series Size 0 Area Luminaire P7 Performance Package 3000K CCT 70 CRI Forward Throw Houseside Shield	16709	0.9	170.81
	A3		1	Lithonia Lighting	DSX0 LED P5 30K 70CRI T2M	D-Series Size 0 Area Luminaire P5 Performance Package 3000K CCT 70 CRI Type 2 Medium	11468	0.9	90.12
	A4		1	Lithonia Lighting	DSX0 LED P2 30K 70CRI LCCO	D-Series Size 0 Area Luminaire P2 Performance Package 3000K CCT 70 CRI Left Corner Cutoff Extreme Backlight Control	4352	0.9	45.14
	WP		9	Lithonia Lighting	WDGE2 LED P2 30K 70CRI TFTM	WDGE2 LED WITH P2 - PERFORMANCE PACKAGE, 3000K, 70CRI, TYPE FORWARD THROW MEDIUM OPTIC	2127	0.9	18.9815
	R2		12	Focal Point, LLC	FLC2D-RD0-SW-900L-120-LD1-T-LC2-RD0-35K-DNS-NFL-CD	RECESSED HOUSING AND ROUND DIECAST TRIM, FINISHED IN CLEAR DIFFUSE	963	0.9	9.9
	WS		4	Brownlee Lighting	7601-C24-35K		2188	0.9	23.61

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Parking & Drive Lanes		2.5 fc	4.8 fc	0.7 fc	6.9:1	3.6:1
Property Line		0.1 fc	0.4 fc	0.0 fc	N/A	N/A
Overall		1.5 fc	27.1 fc	0.0 fc	N/A	N/A

**General Note**  
 1. SEE SCHEDULE FOR LUMINAIRE MOUNTING HEIGHT.  
 2. SEE LUMINAIRE SCHEDULE FOR LIGHT LOSS FACTOR.  
 3. CALCULATIONS ARE SHOWN IN FOOTCANDLES AT: 0' - 0"

THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING / FUTURE FIELD CONDITIONS. THIS LIGHTING LAYOUT REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER VARIABLE FIELD CONDITIONS. MOUNTING HEIGHTS INDICATED ARE FROM GRADE AND/OR FLOOR UP.

THESE LIGHTING CALCULATIONS ARE NOT A SUBSTITUTE FOR INDEPENDENT ENGINEERING ANALYSIS OF LIGHTING SYSTEM SUITABILITY AND SAFETY. THE ENGINEER AND/OR ARCHITECT IS RESPONSIBLE TO REVIEW FOR MICHIGAN ENERGY CODE AND LIGHTING QUALITY COMPLIANCE.

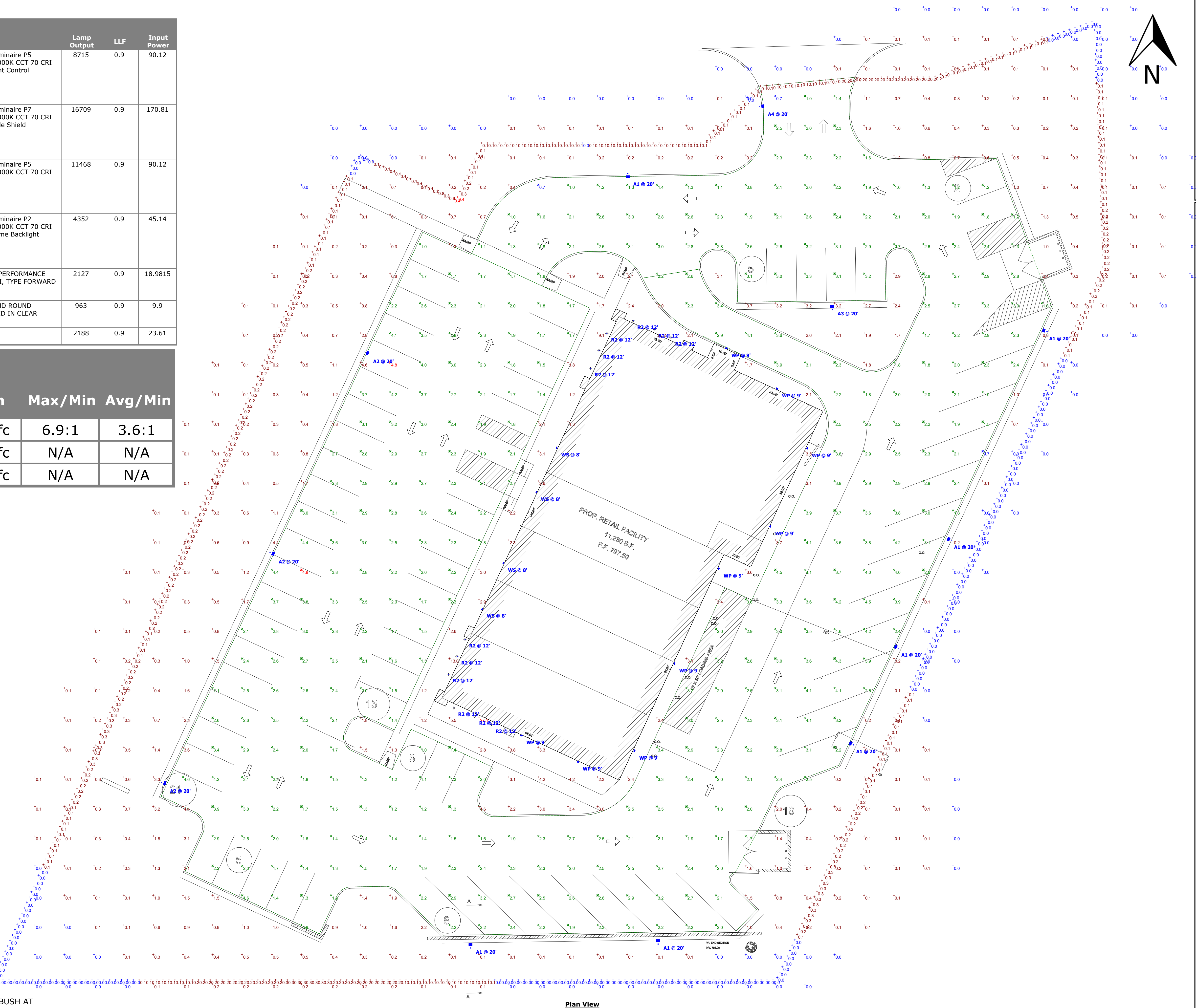
UNLESS EXEMPT, PROJECT MUST COMPLY WITH LIGHTING CONTROLS REQUIREMENTS DEFINED IN ASHRAE 90.1 2013. FOR SPECIFIC INFORMATION CONTACT GBA CONTROLS GROUP AT ASG@GASSERBUSH.COM OR 734-266-6705.

**Alternates Note**  
 THE USE OF FIXTURE ALTERNATES MUST BE RESUBMITTED TO THE CITY FOR APPROVAL.

**Ordering Note**  
 FOR INQUIRIES CONTACT GASSER BUSH AT QUOTES@GASSERBUSH.COM OR 734-266-6705.


**Drawing Note**  
 THIS DRAWING WAS GENERATED FROM AN ELECTRONIC IMAGE FOR ESTIMATION PURPOSE ONLY. LAYOUT TO BE VERIFIED IN FIELD BY OTHERS.

**Mounting Height Note**  
 MOUNTING HEIGHT IS MEASURED FROM GRADE TO FACE OF FIXTURE. POLE HEIGHT SHOULD BE CALCULATED AS THE MOUNTING HEIGHT LESS BASE HEIGHT.



Plan View  
Scale - 1" = 16ft

## D-Series Size 0 LED Area Luminaire



**Specifications**

EPA: 0.44 ft<sup>2</sup> (0.04 m<sup>2</sup>)

Length: 26.18" (66.9 cm)

Width: 14.06" (35.7 cm)

Height H1: 2.26" (5.7 cm)

Height H2: 7.46" (18.9 cm)

Weight: 23 lbs (10.4 kg)

**Introduction**

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications, with typical energy savings of 70% and expected service life of over 100,000 hours.

**Ordering Information**

EXAMPLE: DSX0 LED P6 40K 70CRI T3M MVOLT SPA NLTAR2 PIRHN DDBXD

Series	LEDs	Color temperature*	Color Rendering Index	Distribution	Voltage	Mounting
DSX0 LED	<b>Forward optics</b> P1 P5 P2 P6 P3 P7 P4	(this section 70CRI only)		AFR Automotive front row	MVOLT (120V-277V)	<b>Shipped included</b> SPR Square pole mounting (8" drilling, 3" min. 50 pole) RPA Round pole mounting (8" drilling, 3" min. 80 pole) SPAS Square pole mounting (8" drilling, 3" min. 50 pole) RPAK Round pole mounting (8" drilling, 3" min. 80 pole) SPASN Square narrow pole mounting (8" drilling, 3" min. 50 pole) WBA Wall bracket* MA Mast arm adapter (mounts on 2.38" OD horizontal tubes)
		30K 3000K	70CRI	T15 Type I ultra	HYVOLT (247V-480V)*	
		40K 4000K	70CRI	T25 Type II medium	XYVOLT (277V-480V)*	
		50K 5000K	70CRI	T3M Type III medium	120 v.n.	
		(this section 80CRI only, extended lead times apply)		T15G Type I low glare	208 v.n.	
				T25G Type II medium	240 v.n.	
	<b>Rotated optics</b> P10* P12* P11* P13*			TALG Type III low glare	277 v.n.	
				TALC Type III low glare	347 v.n.	
				T3M Type III medium	480 v.n.	
				T3MG Type III medium		
				T3M Type III medium		
				T3MG Type III medium		

**Control options**

**Shipped installed**

NLTAR2 PIRHN nLight AIR gen 2 enabled with bi-level motion / ambient sensor & 40' mounting height, ambient sensor enabled at 26'.

PIR High flow, motion/ambient sensor, & 40' mounting height, ambient sensor enabled at 26'.

PER NEMA twist-lock receptacle only (control ordered separately).

PERS Five-pin receptacle only (control ordered separately).

**Other options**

PER7 Seven-pin receptacle only (control ordered separately).

FAO Field adjustable output.

BL30 Bi-level switched dimming, 0-10V.

BL50 Bi-level switched dimming, 0-10V.

DMG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately).

**Shipped separately**

ESGR External glare shield (reversible, field install required, matches housing finish)

RSOB Bird Spikes (field install required)

**Finish options**

DBBK Dark Bronze  
DBLX Black  
DNAL Natural Aluminum  
DNWD White  
DBBKD Insulated dark bronze  
DBLXD Insulated black  
DNALXD Insulated natural aluminum  
DNWDXD Insulated white

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## PRO-15 [H4]



Nickel Tone (NT) trim finish

## 7600 LED

The 7600 series (Models: 7600/01/02/04/10/12/14/16) is available in a variety of sizes and lumen packages, making it highly versatile for exterior facades. Constructed of aluminum with your choice of durable powder coat finish, sturdy acrylic diffuser, and stainless steel hardware. Use this architectural sconce for any application requiring performance and a decorative aesthetic. Perfect for exterior facades, columns, breezeways, pool decks, and more. Vertical bars optional. Integral battery backup and cold weather integral battery backup optional.

**FINISHES**

SB AS BL BK BR GR GRW MS ST TR WH

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## ID+ 2.5"

OVERLAP & TRIMLESS LED DOWNLIGHTS



**Dimensional Data**

12.88" (327.2mm)  
3.24" (82.5mm)  
6.71mm  
12.90" (327.6mm)  
2.76mm

Field adjustability of ceiling thickness from 0.5" - 1.5"  
Housing height with DALI, Lutron & L21 drivers is 3.5"

**Features**

Less than 2.64" low profile housing available.

60° and 75° cut-off reflector options available.

25° to 90° beam spreads support accent lighting, task lighting and general illumination.

SoLite lens with die-cast trim delivers 70° or 90° beam spread options.

Warm Dim: Lighting that enhances spaces with a warm glow, reminiscent of incandescent or halogen light sources.

PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

Configurations available for Title 24 JAB High Efficacy Lighting compliance.

**Shipped included**

SPR Square pole mounting (8" drilling, 3" min. 50 pole)  
RPA Round pole mounting (8" drilling, 3" min. 80 pole)  
SPAS Square pole mounting (8" drilling, 3" min. 50 pole)  
RPAK Round pole mounting (8" drilling, 3" min. 80 pole)  
SPASN Square narrow pole mounting (8" drilling, 3" min. 50 pole)  
WBA Wall bracket\*  
MA Mast arm adapter (mounts on 2.38" OD horizontal tubes)

**Control options**

**Shipped installed**

DBBK Dark Bronze  
DBLX Black  
DNAL Natural Aluminum  
DNWD White  
DBBKD Insulated dark bronze  
DBLXD Insulated black  
DNALXD Insulated natural aluminum  
DNWDXD Insulated white

**Other options**

PER7 Seven-pin receptacle only (control ordered separately).

FAO Field adjustable output.

BL30 Bi-level switched dimming, 0-10V.

BL50 Bi-level switched dimming, 0-10V.

DMG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately).

**Shipped separately**

ESGR External glare shield (reversible, field install required, matches housing finish)

RSOB Bird Spikes (field install required)

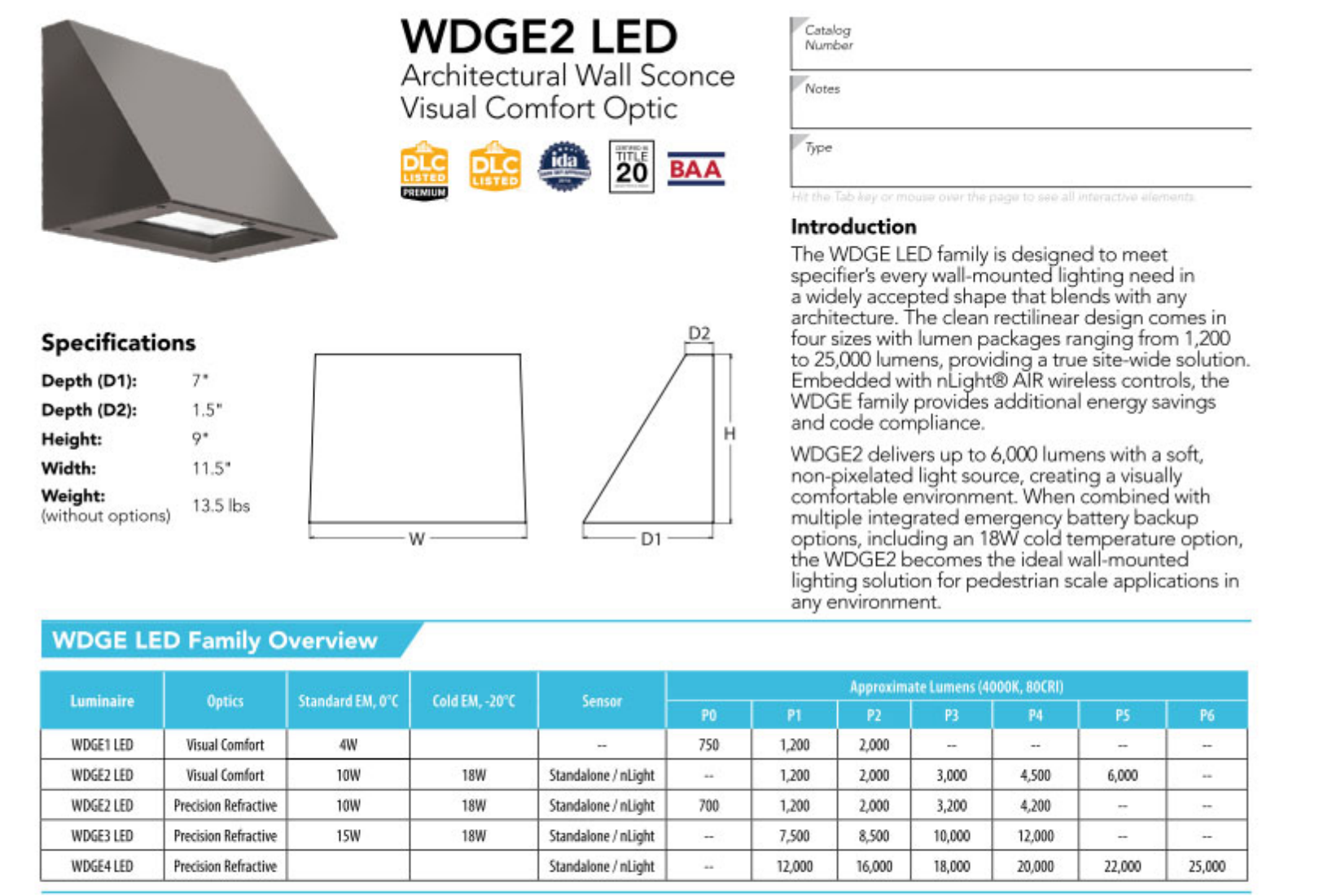
**Finish options**

DBBK Dark Bronze  
DBLX Black  
DNAL Natural Aluminum  
DNWD White  
DBBKD Insulated dark bronze  
DBLXD Insulated black  
DNALXD Insulated natural aluminum  
DNWDXD Insulated white

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## WDGE2 LED

Architectural Wall Sconce  
Visual Comfort Optic



**Specifications**

Depth (D1): 7"

Depth (D2): 1.5"

Height: 9"

Width: 11.5"

Weight: 13.5 lbs (without options)

**Introduction**

The WDGE2 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, rectangular 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 WDGE2 family provides additional energy savings and code compliance.

WDGE2 delivers up to 6,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. 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	P0	P1	P2	P3	P4	P5	P6
WDGE1 LED	Visual Comfort	4W	18W	—	750	1,200	2,000	—	—	—	—
WDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight	—	1,200	2,000	3,000	4,500	6,000	—
WDGE3 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200	—	—
WDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight	—	2,500	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	Shipped included	Shipped separately
WDGE2 LED	P1*	P1SW	27K 2700K	80CRI	VF	Visual comfort forward throw	MVOLT	SRM Surface mounting bracket
	P2*	P2SW	30K 3000K	90CRI	VF	Visual comfort forward throw	SRM	Surface mounting bracket
	P3*	P3SW	35K 3500K	—	VW	Visual comfort wide	ICW	Indirect Canopy/Galling Waller bracket (9" Gang locations only)
	P4*	—	40K 4000K	—	—	—	—	—
	P5*	—	50K 5000K	—	—	—	—	—

**Options**

EBN Emergency battery backup, Certified in CA Title 20 MAE2B5 (6W, 0°C min)

EW0W Emergency battery backup, Certified in CA Title 20 MAE2B5 (10W, 0°C min)

EW0C Emergency battery backup, Certified in CA Title 20 MAE2B5 (18W, -20°C min)

PE\* Photocell, Button Type

DS\* Dual switching (comes with 2 drivers and 2 light engines, see page 3 for details)

DMG\* 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)

BCE Bottom conduct entry back box (PBWB), Total of 4 entry points.

BAA Buy America/Act Compliant

**Standalone Sensors/Controls** (only available with P1/P2/P3/P4 & P5/W)

PIR Bi-level (100/25%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk-to-dawn switching.

PIRN Bi-level (100/25%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk-to-dawn switching.

PIRHCIV Bi-level (100/25%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation.

PIRHCIVV Bi-level (100/25%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation.

**Networked Sensors/Controls** (only available with P1/P2/P3/P4 & P5/W)

NLTAR2 PIR nLight AIR Wireless enabled bi-level motion/ambient sensor for 8-15' mounting heights.

NLTAR2 PIRN nLight AIR Wireless enabled bi-level motion/ambient sensor for 15-30' mounting heights.

BAA Buy America/Act Compliant

**Finish**

DBBK Dark Bronze  
DBLX Black  
DNAL Natural Aluminum  
DNWD White  
DBBKD Insulated dark bronze  
DBLXD Insulated black  
DNALXD Insulated natural aluminum  
DNWDXD Insulated white  
DS1XD Insulated sandstone

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