



XSP Series

Product Description: The XSP Series is a high-performance, adjustable, and dimmable LED street lighting fixture. It features a die-cast aluminum housing and is designed for use in a variety of outdoor environments. The fixture is available in multiple mounting heights and luminaire options.

Performance Summary: The XSP Series provides a high level of performance, with a maximum beam spread of 120 degrees and a maximum mounting height of 15 feet. It is designed to provide uniform illumination and is suitable for use in a variety of outdoor environments.

Accessories: The XSP Series is available with a variety of accessories, including different luminaire options and mounting heights. The fixture is also compatible with a variety of control systems, including DALI and 0-10V dimming.

Lighting Information: The XSP Series is available in a variety of luminaire options, including XSP-1, XSP-2, XSP-3, XSP-4, XSP-5, XSP-6, XSP-7, XSP-8, XSP-9, XSP-10, XSP-11, XSP-12, XSP-13, XSP-14, XSP-15, XSP-16, XSP-17, XSP-18, XSP-19, XSP-20, XSP-21, XSP-22, XSP-23, XSP-24, XSP-25, XSP-26, XSP-27, XSP-28, XSP-29, XSP-30, XSP-31, XSP-32, XSP-33, XSP-34, XSP-35, XSP-36, XSP-37, XSP-38, XSP-39, XSP-40, XSP-41, XSP-42, XSP-43, XSP-44, XSP-45, XSP-46, XSP-47, XSP-48, XSP-49, XSP-50, XSP-51, XSP-52, XSP-53, XSP-54, XSP-55, XSP-56, XSP-57, XSP-58, XSP-59, XSP-60, XSP-61, XSP-62, XSP-63, XSP-64, XSP-65, XSP-66, XSP-67, XSP-68, XSP-69, XSP-70, XSP-71, XSP-72, XSP-73, XSP-74, XSP-75, XSP-76, XSP-77, XSP-78, XSP-79, XSP-80, XSP-81, XSP-82, XSP-83, XSP-84, XSP-85, XSP-86, XSP-87, XSP-88, XSP-89, XSP-90, XSP-91, XSP-92, XSP-93, XSP-94, XSP-95, XSP-96, XSP-97, XSP-98, XSP-99, XSP-100.

OSQ Series

Product Description: The OSQ Series is a high-performance, adjustable, and dimmable LED street lighting fixture. It features a die-cast aluminum housing and is designed for use in a variety of outdoor environments. The fixture is available in multiple mounting heights and luminaire options.

Performance Summary: The OSQ Series provides a high level of performance, with a maximum beam spread of 120 degrees and a maximum mounting height of 15 feet. It is designed to provide uniform illumination and is suitable for use in a variety of outdoor environments.

Accessories: The OSQ Series is available with a variety of accessories, including different luminaire options and mounting heights. The fixture is also compatible with a variety of control systems, including DALI and 0-10V dimming.

Lighting Information: The OSQ Series is available in a variety of luminaire options, including OSQ-1, OSQ-2, OSQ-3, OSQ-4, OSQ-5, OSQ-6, OSQ-7, OSQ-8, OSQ-9, OSQ-10, OSQ-11, OSQ-12, OSQ-13, OSQ-14, OSQ-15, OSQ-16, OSQ-17, OSQ-18, OSQ-19, OSQ-20, OSQ-21, OSQ-22, OSQ-23, OSQ-24, OSQ-25, OSQ-26, OSQ-27, OSQ-28, OSQ-29, OSQ-30, OSQ-31, OSQ-32, OSQ-33, OSQ-34, OSQ-35, OSQ-36, OSQ-37, OSQ-38, OSQ-39, OSQ-40, OSQ-41, OSQ-42, OSQ-43, OSQ-44, OSQ-45, OSQ-46, OSQ-47, OSQ-48, OSQ-49, OSQ-50, OSQ-51, OSQ-52, OSQ-53, OSQ-54, OSQ-55, OSQ-56, OSQ-57, OSQ-58, OSQ-59, OSQ-60, OSQ-61, OSQ-62, OSQ-63, OSQ-64, OSQ-65, OSQ-66, OSQ-67, OSQ-68, OSQ-69, OSQ-70, OSQ-71, OSQ-72, OSQ-73, OSQ-74, OSQ-75, OSQ-76, OSQ-77, OSQ-78, OSQ-79, OSQ-80, OSQ-81, OSQ-82, OSQ-83, OSQ-84, OSQ-85, OSQ-86, OSQ-87, OSQ-88, OSQ-89, OSQ-90, OSQ-91, OSQ-92, OSQ-93, OSQ-94, OSQ-95, OSQ-96, OSQ-97, OSQ-98, OSQ-99, OSQ-100.

LUMINAIRE SCHEDULE

CALLOUT	SYMBOL	QUANTITY	MOUNTING	MODEL	LUMENS / LAMP	MOUNTING HEIGHT
ZMBSF		2	POLE	One Lighting OSQ-B-300-490-2M-UL-1000-xxxx w. OSQ-B-5L-F	2860	25'
SM		3	POLE	One Lighting OSQ-B-300-490-2M-UL-1000-xxxx CONFIGURED FROM OSQ-B-300-490-2M-UL-1000-xxxx	2780	25'
OVH		25	RECESSED	C-100-C-CP-B-BRO-STL-SCCT-xx-1000	0	18"
W2		6	WALL	One Inc XSPW-B-4M-3M-2L-40K-UL-xxxx	0	9'-7"
W3		8	WALL	One Inc XSPW-B-4M-3M-2L-40K-UL-xxxx	0	9'
W5		8	WALL	One Inc XSPW-B-4M-3M-2L-40K-UL-xxxx	5475	9'
W5-AB		5	WALL	One Lighting XSPW-B-4M-3M-2L-40K-UL-xxxx	5475	9'
W5-AB		2	WALL	One Lighting XSPW-B-4M-3M-2L-40K-UL-xxxx	5475	14'

FOOT CANDLE CALCULATIONS

Area	Average Foot-Candles	Maximum Foot-Candles	Minimum Foot-Candles	Minimum to Maximum FC Ratio	Maximum to Minimum FC Ratio	Average to Minimum FC Ratio
SOUTH PAVEMENT	8.09	22.1	2.2	0.1	10.12	2.71
NORTH PAVEMENT	8.79	20.9	2.1	0.1	10.17	4.28
WEST PAVEMENT 'A'	5.38	9	2.9	0.35	3.22	1.88
WEST PAVEMENT 'B'	7.13	9.6	5	0.51	1.94	1.44
NORTH CROSSWALK	15.2	21	10.8	0.51	1.95	1.41
WALKWAY	22.34	40.9	2.3	0.06	17.42	9.52
25' ZONE - SOUTH	3.63	8.1	1	0.12	8.18	3.67
25' ZONE - WEST	8.14	15.3	5.5	0.36	2.77	1.47
WEST CROSSWALK	8.16	9.8	5.8	0.67	1.5	1.4
Door 1	18.75	29.9	10.7	0.45	2.24	1.78
Door 2	14.06	26.3	10.3	0.37	1.48	1.31
Door 3	23.8	31.3	15.4	0.49	2.03	1.48
Door 7	11.93	11.2	10.6	0.95	1.06	1.03
Door 8	8.62	9	5.1	0.6	1.11	1.08
Door 9	4.88	5.2	4.5	0.87	1.15	1.09
Door 4	16.71	24.6	9.8	0.4	2.51	1.7
Door 5	9.84	9.2	5.4	0.58	1.14	1.08
Door 6	9.29	10	8.6	0.96	1.16	1.08
Door 10	3.87	4.3	3.4	0.79	1.27	1.14
Door 11	4.15	4.3	4	0.92	1.09	1.05
Property line - North	0.27	0.6	0	0.03	37.67	16.21
Property line - SOUTH	0.47	0.8	0	0.06	17.27	10.31
Property line - WEST	1.19	2	0.1	0.05	19.31	11.36

- ### GENERAL NOTES
- Coordinate with electrical contractor to provide conduits for site lighting.
 - Light pole base shall be designed and provided by others. All bases in green space shall be eight (8') min height. All bases in pavement shall be thirty-six (36") min height.
 - Mounting height listed in luminaire schedule includes height of the pole base.
 - Calculations based on current lighting fixtures. Any substitutions need to meet city code requirements.
 - Existing light poles and luminaires.
 - Quantities shown on this sheet are total quantities for design.
- ### BLOOMINGTON CODE REQUIREMENTS
- 27' - maximum pole height
 - 10:1 - minimum uniformity ratio (50% reduction for perimeter 25')
 - 2.0 fc - minimum foot candles (pavement surface)
 - 2.0 fc - minimum foot candles (sidewalk)
 - 10.0 fc - minimum foot candles (primary building entrance); radius of 2x door opening
 - 2.0 fc - minimum foot candles (secondary building entrance); 8' radius
 - 3.0 fc - minimum foot candles (pedestrian access surface from primary building entrance, within 30')
 - 2.0 fc - minimum foot candles (pedestrian access surface to primary building entrance, beyond 30')
 - 4.0 fc - minimum foot candles (pedestrian crosswalk, 2x fc level of pavement)
 - 50,000 maximum lumens (per single light source, initial lumens)

DEVELOPER
THE LUTHER COMPANY, LLLP
 3701 ALABAMA AVENUE SOUTH
 ST. LOUIS PARK, MN
 TEL: (612) 252-9800 • FAX: (612) 252-9800

MUNICIPALITY

BLOOMINGTON

PROJECT
LUTHER HYUNDAI
BLOOMINGTON, MN
ISSUE REVISION HISTORY

DATE	ISSUE	REVISION
10/20/2022	010	DCG 5/8/2024
11/09/2022	020	DCG 5/8/2024
08/04/2023	030	FORSETT SET

APPROVED - ZONING REVIEW
 M. Centinaro
 07/13/2023

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PERMIT SET
 MARCH 08, 2023

LANDFORM
 From Site to Finish

105 South Fifth Avenue Tel: 612-252-9070
 Suite 513 Fax: 612-252-9077
 Minneapolis, MN 55401 Web: landform.net

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 PROJECT NO: LUT2054

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PHOTOMETRICS PLAN - INSTALLED VALUES
L4.1

