

NOTE: REMOVE FORMS AND TROWEL FINISH POLE BASE WITHIN 24 HOURS OF POUR.

NOTE:
ALL PARKING AREA LIGHTING SHALL BE REDUCED BY A MINIMUM OF THIRTY PERCENT (30%) WITHIN THIRTY (30) MINUTES OF CLOSING OF THE LAST BUSINESS OR NO LATER THAN 11:00 P.M.

Luminaire Schedule							
Symbol	Qty	Label	Arrangement	Lum. Lumens	LLF	Lum. Watts	Description
	7	S4	SINGLE	10499	0.900	145.7	XLCS-FTE-LED-HO-NW
	6	WM	WALL MOUNT	4917	0.900	55.8	PWM-S-LED-HO-NW-UE
	1	S4-HSS	SINGLE	7751	0.900	145.7	XLCS-FTE-LED-HO-NW-HSS

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Parking Lot	Illuminance	Fc	1.45	4.7	0.3	4.83	15.67
Property Line	Illuminance	Fc	0.23	0.7	0.0	N.A.	N.A.

**FOR PRICING
REQUESTS CONTACT
RUSS MILLER:
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rmiller@cbmcinc.com**

CBMC • LIGHTING SOLUTIONS
5855 KOPETSKY DR | INDIANAPOLIS, IN 46217
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DRAWN BY: SJM
ISSUE DATE: 10/7/16
SCALE: 1"=20'
DRAWING NUMBER:



**12,900 TYPE-A-RIGHT
CHAMFER DRIVE-THRU**
STORE NUMBER: 10983
146th STREET AND DITCH ROAD
WESTFIELD, INDIANA
PROJECT TYPE: NEW STORE
DEAL TYPE:
CS PROJECT NUMBER: 89946

ARCHITECT OF RECORD

CONSULTANT:

AMERICAN
STRUCTUREPOINT
INC.
7260 Shadeland Station | Indianapolis, Indiana 46256
TEL. 317.547.5500 | FAX 317.543.0270
www.structurepoint.com

DEVELOPER:
TMC Indiana 2, LLC
501 Pennsylvania Parkway, Ste. 160
Indianapolis, Indiana 46280
Phone (317) 705-8800
Contact Craig Forgey

SEAL:

REVISIONS:

	TAC COMMENTS	07-22-2016
	COMMENTS	10-05-2016
	COMMENTS	10-12-2016

PLANNING MGR: ART
DRAWING BY: RCB
DATE: 04-29-2016
JOB NUMBER: 2015.01305
TITLE: **PHOTOMETRIC PLAN**

SHEET NUMBER:

C800

COMMENTS:
NOT RELEASED FOR CONSTRUCTION

PLOT DATE: 01/20/16 2:05 PM
 PLOT SCALE: 1:1
 EDITOR: ATAYLOR
 DRAWING FILE: P:\2015\10\13\BID_Drawings\Civil\Construction Documents\CVS Plans\2015.01305.CE.CVS.C800.PHOTOMETRIC.dwg
 EDIT DATE: 10/7/2016

LED WALL SCNCE (PWM)



DOE LIGHTING FACTS

Department of Energy has verified representative product test data and results in accordance with its Lighting Facts Program. Visit www.lightingfacts.com for specific catalog strings.

US & Int'l. patents pending

ENERGY SAVING CONTROL OPTIONS – DIM – 0-10 volt dimming enabled with controls by others.

EXPECTED LIFE - Minimum 60,000 hours to 100,000 hours depending upon the ambient temperature of the installation location. See LSI web site for specific guidance.

LEDS - Available with select high-brightness LEDs in Cool White (5000K) or Neutral White (4000K) color temperature, 70 CRI.

DISTRIBUTION/PERFORMANCE - Type S (Standard Symmetric). Exceptional uniformity creates bright environment at lower light levels.

HOUSING - One-piece die-cast aluminum housing is smoothly contoured rectangular shape. Mounting hardware is stainless steel or electro-zinc plated steel. Housing and optical unit are sealed with extruded silicone gasket; supply conductors with molded EPDM bushing.

OPTICAL UNIT - Clear tempered optical-grade flat glass lens sealed to the aluminum optic housing creates an IP65 rated unit. Pressure stabilizing breather allows super-tight protection while preventing cycling from building up internal pressures and vacuums that can stress optical unit seals.

WALL MOUNTING - Galvanized-steel universal wall mounting plate easily mounts directly to 4" octagonal or square junction box. EPDM gasket is supplied to be installed between mounting plate and junction box, sealing junction box from entrance of water. Universal plate permits fixture to be mounted in uplighting (indoor only) or downlighting position.

POLE MOUNTING - XPMA (for square) or XPMAR (for round) allows mounting to poles in single and D180 configurations. Use with 3" reduced drilling pattern.

ELECTRICAL - Two-stage surge protection (including separate surge protection built into electronic driver) meets IEEE C62.41.2-2002, Location Category C. Available with universal voltage power supply 120-277VAC (50/60Hz input) or 347-480VAC.

DRIVER - Available in Low Wattage (LW) and High Output (HO) drive currents (Drive currents are factory programmed). Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver can be easily accessed and removed. Optional 0-10V dimming available with controls by others.

OPERATING TEMPERATURE - -40°C to +50°C (-40°F to +122°F)

FINISH - Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling.

WARRANTY - LSI LED fixtures carry a limited 5-year warranty.

PHOTOMETRICS - Please visit our web site at www.lsi-industries.com for detailed photometric data.

SHIPPING WEIGHT (in carton) - 27 lbs./12.2Kg

LISTING - UL listed to ANSI/UL1598, UL8750 and other U.S. and international safety standards. Suitable for wet locations in downlight position. For a list of the specific products in this series that are DLC listed, please consult the LED Lighting section of our website or the Design Lights website at www.designlights.org.

This product, or selected versions of this product, meet the standards listed below. Please consult factory for your specific requirements.

LIGHT OUTPUT - PWM			
Distribution/Lumens (Nominal)			
		Type S	Watts
Cool White	LW	1400	15
	HO	5200	56
Neutral White	LW	1300	15
	HO	4900	56

LED Chips are frequently updated therefore values may increase.



Project Name _____ Fixture Type _____
 Catalog # _____

05/02/16

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LED WALL SCONCE (PWM)

LUMINAIRE ORDERING INFORMATION

TYPICAL ORDER EXAMPLE: **PWM S LED HO CW UE WHT PCI 120**

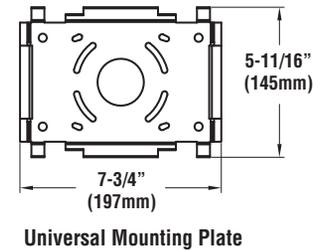
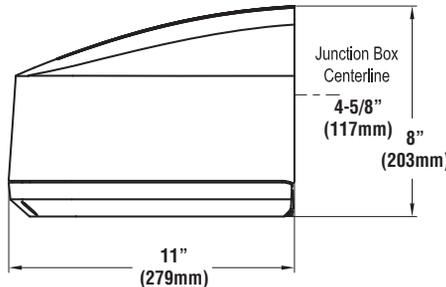
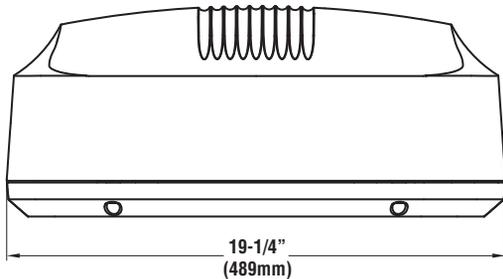
Prefix	Distribution	Light Source	Drive Current	Color Temperature	Input Voltage	Finish	Optional Controls	Optional Sensor/Options
PWM - LED Wall Sconce	S - Standard Symmetrical	LED	LW - Low Watt HO - High Output	CW - Cool White (5000K) NW - Neutral White (4000K)	UE - Universal Voltage (120-277) 347-480 120 ¹	BLK - Black BRZ - Bronze GPT - Graphite MSV - Metallic Silver PLP - Platinum Plus SVG - Satin Verde Green WHT - White	Wireless Control System ^{2,3} (blank) - None PCM - Platinum Control System PCMH - Host/Satellite Platinum Control System GCM - Gold Control System GCMH - Host/Satellite Gold Control System DIM - 0-10 volt dimming (required for satellite fixtures) Stand-Alone Control (blank) - None DIM - 0-10 volt dimming (from external signal)	Sensor PCI120 - 120V Button-Type Photocell PCI208 - 208V Button-Type Photocell PCI240 - 240V Button-Type Photocell PCI277 - 277V Button-Type Photocell PCI347 - 347V Button-Type Photocell Options XPMA - Pole Mounting Adaptor w/ Fixture Back Plate for Use with Square Poles ⁴ XPMAR4 - Pole Mounting Adaptor w/ Fixture Back Plate for Use with 4" O.D. Round Poles ⁴ XPMAR5 - Pole Mounting Adaptor w/ Fixture Back Plate for Use with 5" O.D. Round Poles ⁴

ACCESSORY ORDERING INFORMATION ² (Accessories are field installed)			
Description	Order Number	Description	Order Number
PWM Polycarbonate Shield	244657	DFK208, 240 - Double Fusing	DFK208,240 ⁵
PWM SW BLK - Surface Wiring Box (Available in black only)	356915BLK	DFK480 - Double Fusing	DFK480 ⁵
FK120 - Single Fusing	FK120 ⁵	FK347 - Single Fusing	FK347 ⁵
FK277 - Single Fusing	FK277 ⁵		

FOOTNOTES:

- 1- On Low Watt (LW) drive current, 120V only is DLC qualified. Specify 120 in place of UE.
- 2- For wireless controls information and accessories, see Controls section.
- 3- Requires a SiteManager and override switch.
- 4- Designed with 3" reduced drilling pattern. For S or D180 mounting configuration only.
- 5- Fusing to be installed in a compatible junction box supplied by contractor.

DIMENSIONS



Project Name _____ Fixture Type _____
Catalog # _____

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LED AREA LIGHTS - LSI SLICE SMALL (XLCS)



DOE LIGHTING FACTS

Department of Energy has verified representative product test data and results in accordance with its Lighting Facts Program. Visit www.lightingfacts.com for specific catalog strings.

LIGHT OUTPUT - XLCS							
		Lumens (Nominal)				Watts (Nominal)	
		Type 3	Type FT	Type 5	Type5E		TypeFTE
Cool White	SS	10100	11400	11400	8200	7800	97
	HO	14000	15500	15700	11600	10600	140
Neutral White	SS	9700	10400	10800	7900	7500	97
	HO	13400	14700	15200	11000	10500	140

LED Chips are frequently updated therefore values may increase.

US & Int'l. patents pending

SMARTTEC™ - LSI drivers feature integral sensor which reduces drive current, when ambient temperatures exceed rated temperature.

ENERGY SAVING CONTROL OPTION - DIM - 0-10 volt dimming enabled with controls by others.

EXPECTED LIFE - Minimum 60,000 hours to 100,000 hours depending upon the ambient temperature of the installation location. See LSI web site for specific guidance.

LEDS - Select high-brightness LEDs in Cool White (5000K), or Neutral White (4000K) color temperature, 70 CRI.

DISTRIBUTION/PERFORMANCE - Types 3, FT, 5 and enhanced 5E and FTE. Exceptional uniformity creates bright environment at lower light levels. Internal Louver (IL) option available for improved backlight control without sacrificing street side performance for FT distribution.

HOUSING - One-piece, die-formed aluminum housing contains factory prewired driver. Wiring access door (with safety lanyard) located underneath.

OPTICAL UNIT - Clear tempered flat glass lens permanently sealed to weather-tight aluminum optic frame creates an IP65 rated optical unit (includes pressure-stabilizing breather).

MOUNTING - Tapered rear design allows fixtures to be mounted in 90° and 120° configurations without the need for extension arms. Use with 3" reduced drilling pattern. A round pole plate is required for mounting to round poles. Wall mount available by ordering wall mounting bracket (BKS-XBO-WM-* -CLR). Proprietary pole quick mount accessories available with horizontal mounting or fixed 15° angled mounting (PQMH-KIT-CLR and PQM15-KIT-CLR) for mounting to square poles. See Accessory Ordering Information chart for all brackets.

ELECTRICAL - Two-stage surge protection (including separate surge protection built into electronic driver) meets IEEE C62.41.2-2002, Location Category C. Available with universal voltage power supply 120-277 VAC (50/60Hz input), and 347-480 VAC. Optional button-type photocells (PCI) are available in 120, 208, 240, 277 or 347 volt (supply voltage must be specified).

DRIVER - Available in SS (Super Saver) and HO (High Output) drive currents. Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed.

OPERATING TEMPERATURE - -40°C to +50°C (-40°F to +122°F)

FINISH - Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Available in black, bronze and white. Other standard LSI finishes available. Consult factory.

WARRANTY - LSI LED fixtures carry a limited 5-year warranty.

PHOTOMETRICS - Please visit our web site at www.lsi-industries.com for detailed photometric data.

SHIPPING WEIGHT (in carton) - One fixture: 17.5 lbs. (7.9 kg). Packed two per carton: 30 lbs. (13.6 kg).

LISTING - UL listed to U.S. and international safety standards. Suitable for wet locations. For a list of the specific products in this series that are DLC listed, please consult the LED Lighting section of our website or the Design Lights website at www.designlights.org.

This product, or selected versions of this product, meet the standards listed below. Please consult factory for your specific requirements.



Fixtures comply with ANSI C136.31-2010 American National Standard for Roadway Lighting Equipment - Luminaire Vibration 1.5G requirements.



Project Name _____ Fixture Type _____

Catalog # _____

05/05/16

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LED AREA LIGHTS - LSI SLICE SMALL (XLCS)

LUMINAIRE ORDERING INFORMATION

TYPICAL ORDER EXAMPLE: **XLCS 5 LED SS CW UE BLK PCI120**

Prefix	Distribution	Light Source	Drive Current	Color Temperature	Input Voltage	Finish	Options
XLCS	3 - Type III 5 - Type V FT - Forward Throw 5E - Type V Enhanced FTE - Forward Throw Enhanced	LED	SS - Super Saver HO - High Output	CW - Cool White (5000K) NW - Neutral White (4000K)	UE - Universal Voltage (120-277V) 347-480 Universal Voltage (347-480V)	BLK - Black BRZ - Bronze WHT - White	DIM - 0-10V Dimming (from external signal) Button Type Photocells PCI120 - 120V PCI208-277V - 208-277V PCI347 - 347V IL - Internal Louver (available with FT distribution only)

LUMINAIRE EPA CHART - PLCS

Horizontal Mounting Only	
 Single	0.4
 D180°	0.8
 D90°	0.6
 T90°	1.4
 TN120°	1.4
 Q90°	1.6

Note: House Side Shield adds to fixture EPA. Consult Factory.

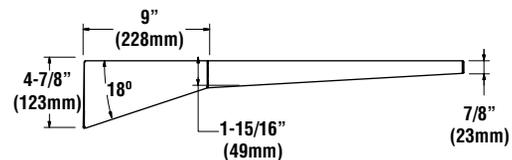
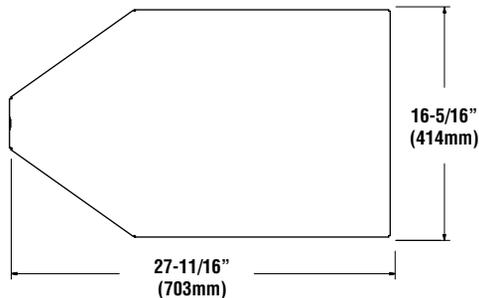
ACCESSORY ORDERING INFORMATION (Accessories are field installed)

Description	Order Number	Description	
BKS-XBO-WM-* - CLR Wall Mount Bracket	382132CLR	DFK208, 240 Double Fusing (208V, 240V)	DFK208, 240 ²
XLCS-3/FT-HSS (Black only)	603162BLK ¹	DFK480 Double Fusing (480V)	DFK480 ²
X4RPP Round Pole Plate for 4" Poles	379967CLR	FK347 Single Fusing (347V)	FK347 ²
X5RPP Round Pole Plate for 5" Poles	379968CLR	PQMH-KIT-CLR Square Pole Quick Mount Horizontal Bracket	582328CLR
FK120 Single Fusing (120V)	FK120 ²	PQM15-KIT-CLR Square Pole Quick Mount Bracket w/fixed 15° Angle	582329CLR
FK277 Single Fusing (277V)	FK277 ²		

FOOTNOTES:

- 1 - House Side Shields add to fixture EPA. Consult factory.
- 2 - Fusing must be located in the hand hole of pole.

DIMENSIONS



HOUSE SIDE SHIELD

