Columbia LIGHTING

LXEP

Parking Garage Enclosed and Gasketed / LED

createchange

FEATURES

- Parking Garage luminaire incorporating LED technology
- Long life 60,000 hour LEDs at L80 for reduced maintenance
- Available in 2', 4', or 8' lengths
- IP65, IP67 all models
- IP66 all models with standard polyacetal (POM) latches
- Fiberglass housing with F1 weatherability rating, standard
- Intrnal reflector directs light into parking bays
- Smooth housing for easy cleaning
- Gasket is non-porous to ensure seal
- Impact modified acrylic lens equivalent to 100% DR
- Lens selections are deep profile frost (DFA) standard, or clear (DCA) optional
- Lens firmly secured with captive tamper resistance ready polyacetal (POM) latches
- Stainless steel latching optional
- UL Sanitation Certified per NSF Standards
- Removable gear tray electrical access for modular replaceability
- Emergency battery pack installed, optional on most models
- Standard ambient -20°C to +50 °C (See table for maximum rating)
- Elevated ambient option available on most models
- Includes stainless steel surface mounting brackets
- Occupancy and/or daylight sensing accessories available
- ControlScope® compatible
- DLC® (DesignLights Consortium) Qualified - see www.designlights.org

PROJECT INFORMATION

Project Name

Type

Catalog No.

Date

CONSTRUCTION
Housing is formed from UL 5VA fiberglass. F1 weatherability rating, suitable for indoor or outdoor use with respect to exposure to UV light. Pour-in-place non-porous gasketing assures seal. LED affixed to removable heat sinked gear tray. 14 Latches per 8', 8 per 4', 6 per 2'. Latches are provided tamper resistance ready, tamper resistant screws by others. Latches are standard polyacetal (POM), optional in stainless steel. Access openings are provided for electrical access.

SHIELDING
Deep frosted acrylic lens (DFA) impact modified equivalent to 100% DR; modification adds flexibility to reduce impact breakage compared to standard acrylic formulations. Clear lens (DCA) optional.

FINISH
White painted parts are treated with a five-stage phosphate bonding process and finished with high reflectance baked enamel.

ELECTRICAL
Long-life LEDs are rated for 60,000 hours at L80 lumen maintenance. Driver options include fixed output for on/off function, step dimming (high/low/off) or continuous 0-10V dimming. QR code label affixed to housing for easy traceability.

MOUNTING
Use flexible conduit only.

CERTIFICATION
All luminaires are built to UL 1598 and 2108 standards, and bear appropriate CSA labels. Ingress protection IIP65 and IP67 all sizes. IP66 on some models. UL Sanitation Certified per NSF Standards. Wet location labeling is standard. Emergency-equipped fixtures built to UL 924. Adheres to LM70, LM80, and TM21 industry standards. DLC® (DesignLights Consortium) Qualified. Please refer to the DLC website for specific product qualifications at www.designlights.org. The DTS, Dimming Bypass Module, is for emergency circuit control loads including sensors and wireless systems listed to UL924. See page 3 for wiring diagram. Link to Dimming Bypass Module Specification sheet.

WARRANTY
Five year warranty (Terms and Conditions apply).

ORDERING INFORMATION

EXAMPLE **LXEP4-35HL-DFA-EDU**

LXEP – ___ – ___ – ___ **U** – ___

MODEL	SIZE	COLOR TEMP	LUMEN OUTPUT	SHIELDING	DRIVER	VOLTAGE	OPTIONS
LXEP LED Parking Garage	**2** 2'[1] **4** 4' **8** 8'	**30** 3000K **35** 3500K **40** 4000K **50** 5000K	**VW** Very Low Watt **LW** Low Watt **ML** Medium Lumen **HL** High Lumen **VL** Very High Lumen **XL** Xtra High Lumen[1]	**DFA** Deep Frosted Acrylic **DCA** Deep Clear Acrylic	**E** Fixed Output **ED** 0-10V Dimming **ED1** 0-10V 1% Dimming	**U** 120V-277V	**ELL14** Emergency Battery Pack Installed, 1400 Lumens (0°C minimum operating temp)[2] **GLR** Fast Blow Fuse **DTS** Dimming Bypass Module[3,4] **SSL** Stainless Steel Tamper Resistance Ready Latches **TP** Tamper Proof Latches **F3C8W** 3-wire 8' Wet Cord **F3C15W** 3-wire 15' Wet Cord **SWH** Single Wet Hub ½" NPT Hub **DWH** Dual Wet Hub ½" NPT Hub **ZRE** ControlScope® compatible[4,5]

[1] Not available with battery pack
[2] Not available with XL lumen package
[3] For emergency circuit control loads including sensors and wireless systems listed to UL924. See page 3 for wiring diagram
[4] Only available with 0-10V drivers
[5] Registered trademark of DaintreeNetworks, used by permission
[6] Two required for 8' fixture

SENSOR KITS (Order Separately)
All sensor kits include On/Off Occupancy and Daylight. Daylight activation requires setting of dip-switches on site.

Catalog #	# Relays	Lens Type	Voltage	Wet Label
OS1360WLK	1	360°	120/277	Yes
OS2360WLK	2	360°	120/277	Yes
OS1AWLK	1	Aisle	120/277	Yes
OS2AWLK	2	Aisle	120/277	Yes

ACCESSORIES (ORDER SEPARATELY)

XEDPM	Dual Pendant Brackets (pendant by others)
XEHC	Chain Hanger Kit (Includes 14" Chain)
XE45MB	45° Mounting Bracket[6]
XE45MBSS	45° Stainless Steel Mounting Bracket

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PRODUCT AVAILABILITY						
SIZE	LUMEN PACKAGE	NOMINAL LUMEN RANGE	NOMINAL WATTS	LUMENS/WATT RANGE	MAX TEMP, HT OPTION	MAX TEMP, ELL14
2'	LW	2960-3225	33	90-98	40ºC	(N/A)
	ML	3950-4350	43	92-101	40ºC	(N/A)
	HL	4450-4900	51	87-96	25ºC	(N/A)
4'	VW	2900-3100	27	108-116	50C	40C
	LW	3700-4100	36	103-114	50ºC	40ºC
	ML	4450-4900	47	95-104	50ºC	40ºC
	HL	5300-5850	52	102-113	45ºC	25ºC
	VL	6750-7450	68	99-110	40ºC	25ºC
	XL	8950-9850	102	88-97	25ºC	N/A
8'	VW	5800-6200	54	108-116	50C	40C
	LW	7400-8200	72	103-114	50ºC	40ºC
	ML	8900-9800	94	95-104	50ºC	40ºC
	HL	10600-11700	104	102-113	45ºC	25ºC
	VL	13500-14900	136	99-110	40ºC	25ºC
	XL	17900-19700	204	88-97	25ºC	N/A

Lumens vary according to color temperatures and other factors. See specific photometric test(s).

PHOTOMETRIC DATA

Test **14.00163** Test Date **8/23/14**

LUMINAIRE DATA

Luminaire	**LXEP4-50ML-DFA-EU** **LXEP LED Enclosed and Gasketed, Industrial 6.75" x 51.5" LED with deep frosted acrylic lens and specular reflector**
Ballast	**D15CC55UNVTC**
Ballast Factor	**1.00**
Lamp	**LED**
Fixture Lumens	**5018**
Watts	**47.50**
Mounting	**Surface**
Shielding Angle	**0º = 90 90º = 90**
Spacing Criterion	**0º = 1.28 90º = 1.88**
Luminous Opening in Feet	**Length: 4.17** **Width: 0.50** **Height: 0.29**

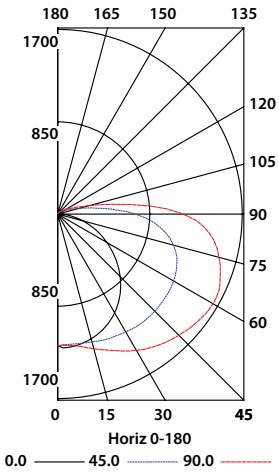
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	673	13.4	13.4
0-40	1181	23.5	23.5
0-60	2484	49.5	49.5
0-90	4451	88.7	88.7
0-180	5018	100.0	100.0

ENERGY DATA

Total Luminaire Efficiency	**100%**
Total Lumens per Watt	**106**
ANSI/IESNA RP-1-2004 Compliance	**Noncompliant**
Comparative Yearly Lighting Energy Cost per 1000 Lumens	**$2.29 based on 3000 hrs. and $0.08 per KWH**

INDOOR CANDELA PLOT



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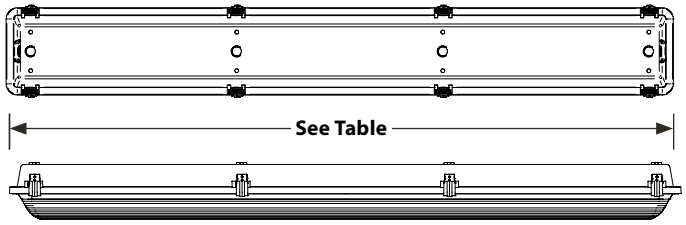
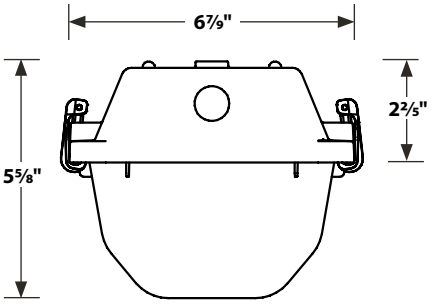
DIMENSIONAL DATA

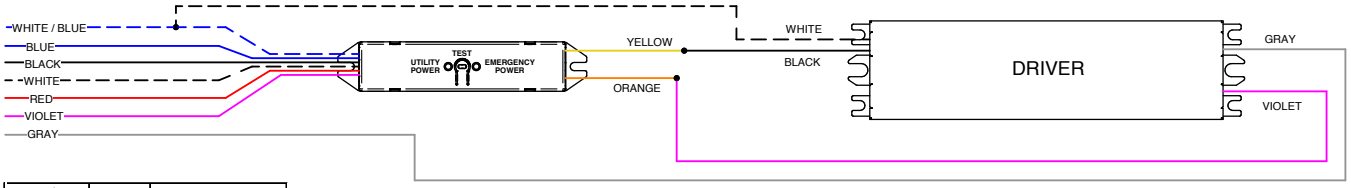


LXEP DIMENSIONS	
NOMINAL SIZE	LENGTH
2'	272/3"
4'	512/3"
8'	100"

NOTE: All dimensions are in inches; dimensions and specifications are subject to change without notice. Please consult factory or check sample for verification.



DTS WIRING DIAGRAM



WHITE / BLUE	→	EMERGENCY NEUTRAL
BLUE	→	EMERGENCY LINE
BLACK	→	UTILITY LINE
WHITE	→	UTILITY NEUTRAL
RED	→	SWITCHED HOT
VIOLET	→	DIMMING
GRAY	→	DIMMING

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