



20306 15th Avenue NE Suit A • 98155 • Tel: (206) 575 - 0837 • Fax: (206) 575-7770

Date: 4-8-2026

APOLLO SCRIBER LAKE APTS

BUILDING/SITE LIGHTING

CONTRACTOR: **ACG BUILDS, INC.**
Harbor Marina Corporate Center
1001 SW Klickitat Way, Suite 104
Seattle, WA 98134

Contact: Kendal Schorr
(360) 318-5611

ARCHITECT: **BF Design Build**
1201 3rd AVE, Suite 2200
Seattle, WA 98101

Contact: Tri Ly
(425) 405-5722

ELECTRICAL CONTRACTOR: **Unity Electric, LP**
20306 15th Avenue NE, Suite A
Shoreline, WA 98155

Contact: David Borba
(530) 351-2404

APPROVALS

☐ APPROVED ☐ NOT APPROVED

☐ APPROVED AS CORRECTED

☐ REVISE AND RESUBMIT

CHECKED FOR DESIGN CONFORMANCE ONLY.
MFG. IS RESPONSIBLE FOR COMPLIANCE WITH
PLANS AND SPECIFICATIONS.

BY: _____

DATE: _____
UNITY ELECTRIC

Project		Catalog #		Type	
Prepared by		Notes		Date	



Invue

ENC/ENT/ENV Entri LED

Architectural Wall Luminaire

Product Features



Interactive Menu

- Order Information page 3
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Product Certifications

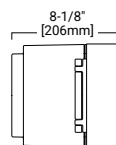
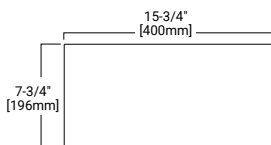


Quick Facts

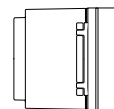
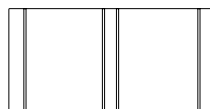
- Robust die-cast IP66 rated construction
- Flush mounted die-cast latch for tool-less maintenance access
- Mounts to a 4-inch junction box with concealed stainless steel fasteners
- Choice of 9 AccuLED(TM) optical distributions
- Optional upright available with clear or colored lenses

Dimensional and Mounting Details

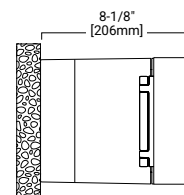
ENC (Round Clean)



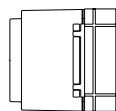
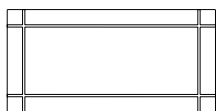
ENT (Triangle Reveals)



Conduit Mount/Battery Back Box



ENV (Round Reveals)



SHIPPING DATA

Approximate Net Weight:

15.2 lbs. (6.9 kgs.) - Without backbox

29.1 lbs. (13.2 kgs.) - With backbox

NOTES:

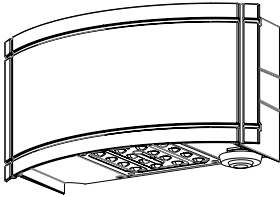
1. IDA Certified for 3000K CCT and warmer only

Ordering Information

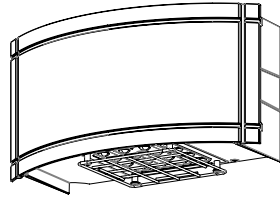
SAMPLE NUMBER: ENC-SA1C-740-U-T4W-GM-ULG-HA-WPS2BK

Domestic Preferences ²⁴	Product Family ¹	Light Engine		Color Temperature	Voltage	Distribution	Finish
		Configuration	Drive Current				
[Blank]=Standard BAA= Buy American Act ²⁴ TAA= Trade Agreements Act ²⁴ BABA= Build America Buy America ²⁸	ENC= Entri Round Clean ENT= Entri Triangle Reveals ENV= Entri Round Reveals	SA1=1 Square	A=350mA B=450mA C=600mA D=800mA E=1000mA F=1200mA	722=70CRI, 2200K ³ 727=70CRI, 2700K ³ 730=70CRI, 3000K ³ 735=70CRI, 3500K 740=70CRI, 4000K 750=70CRI, 5000K ³ 760=70CRI, 5700K ³ 827=80CRI, 2700K ³ 830=80CRI, 3000K ³ 835=80CRI, 3500K ³	U=UNV(120-277) 1=120 2=208 3=240 4=277 8=480 9=347	T2=Type II T3=Type III T4FT=Type IV Forward Throw T4W=Type IV Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White
Options (Add as Suffix)					Accessories (Order Separately) ²⁵		
F= Singled fused (Must specify voltage, fused on single hot leg of 120, 277, or 347) FF= Doubled fused (Must specify voltage, fused on both hot legs of 208, 240, or 480) 20K= Series 20kV UL 1449 Surge Protective Device 2L= Two-Circuit Light Engine ²³ DIM= 0-10V Dimming Driver ^{5,6} EBP= Battery Pack with Back Box (Must specify voltage, available in 120V or 277V) ^{2,4,9} CBP= Battery Pack with Back Box, Cold Weather Rated (Must specify voltage, available in 120V or 277V) ^{2,4,10} CBP-CEC= Battery Pack with Back Box, Cold Weather Rated, CEC compliant (Must specify voltage, available in 120V or 277V) ^{2,4,10} R90= Rotated Right 90° L90= Rotated Left 90° HSS= Factory Installed House Side Shield ¹⁶ LCF= LightSquare Trim Plate Matches Housing Finish ¹⁵ ULG= Uplight Glow ⁷ HA= 50°C High Ambient ⁸ WG= Wire Guard TR= Tamper Resistant Hardware BOX= Empty back box (1/2" NPT, each side with plugs installed) BPC= Button Type Photocontrol (Must specify voltage, available in 120, 208, 240, 277V, 347, and 480) AHD145= After Hours Dim, 5 Hours, 50% ¹⁷ AHD245= After Hours Dim, 6 Hours, 50% ¹⁷ AHD255= After Hours Dim, 7 Hours, 50% ¹⁷ AHD355= After Hours Dim, 8 Hours, 50% ¹⁷ SPB1= Dimming Occupancy Sensor with Bluetooth Interface, <8' Mounting ^{13,21} SPB2= Dimming Occupancy Sensor with Bluetooth Interface, 8'-20' Mounting ^{13,21} SPB4= Dimming Occupancy Sensor with Bluetooth Interface, 21'-40' Mounting ^{13,21} MS-L08= Motion Sensor for ON/OFF Operation, Up to 8' Mounting Height ^{11,12,13} MS-L20= Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height ^{11,12,13} MS/DIM-L08= Motion Sensor for Dimming Operation, Up to 8' Mounting Height ^{11,12,13} MS/DIM-L20= Motion Sensor for Dimming Operation, 9' - 20' Mounting Height ^{11,12,13} WPS2XX= WaveLinX Pro, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting ^{19,20} WPS4XX= WaveLinX Pro, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting ^{19,20} CC= Coastal Construction ²² GRSBK= Glare Reducing Shield, Black ²⁶ GRSWH= Glare Reducing Shield, White ²⁶					MA1253= 10kV Circuit Module Replacement MA1253-480V= 10kV Circuit Module Replacement (480V only) FSIR-100-PK= Wireless Configuration Tool for Occupancy Sensor ¹¹ VA6172SA= Wireguard Accessory VA6174= Tamper-Resistant Driver Bit VA6175= Vandal Shield Accessory VA2001-XX= Thru-Way Conduit Box LS/HSS= House Side Shield (Works with all distributions listed for Entri) LS/GRSBK-2PK= Glare Reducing Shield, Black ²⁶ LS/GRSWH-2PK= Glare Reducing Shield, White ²⁶ LS/PFS= Perimeter Shield, Black ²⁷ WOLC-7P-10A= WaveLinX Outdoor Control Module (7-pin)		
NOTES: 1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. DLC Family Code: MMMSPQ 2. EBP or CBP options limited to 25°C. Control option limited to BPC=Button Type Photocontrol (must specify voltage). 3. Extended lead times apply. Use dedicated IES files when performing layouts. 4. Not available with HA option. 5. Cannot be used with other control options. 6. Low voltage control lead brought out 18" outside fixture. 7. ULG only available in 740 8. Not available with ULG option 9. EBP is rated for minimum operating temperature of 0°C (32°F). Operates daylight for 90-minutes. 10. CBP is rated for minimum operating temperature of -20°C (-4°F). Operates daylight for 90-minutes. 11. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting 12. Replace LXX with the available mounting height options: L08, L20, L40 or L40W are the only choices. 13. Includes integral photosensor. 14. Bronze sensor is shipped with Bronze fixtures. White sensor shipped on all other housing color options. 15. Not available with HSS option. 16. The light square trim plate is painted black when the HSS option is selected. 17. Requires the use of BPC photocontrol. See After Hours Dim supplemental guide for additional information. 18. Control option limited to BPC=Button Type Photocontrol (must specify voltage). 19. WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. 20. Replace XX with sensor color (WH, BZ, or BK). 21. Smart device with mobile application required to change system defaults. See controls section for details. 22. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. 23. 2L not available with FF, ULG or AHD options. Controls and/or battery packs operate only one of the two circuits when 2L is specified. 24. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. 25. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. 26. Not for use with T4FT, T4W, or SL4 optics. 27. Set of 4pcs. One set required per Light Square. 28. Only product configurations with these prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or the Build America Buy America Act (BABA). BABA is the minimum Government compliance requirement for the Build America Buy America standards which is part of the Infrastructure and Investment Jobs Act (IIJA). Individual Government Agencies may have more stringent compliance standards. Please refer to the DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.							

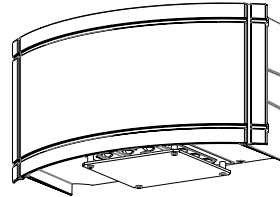
Options & Accessories



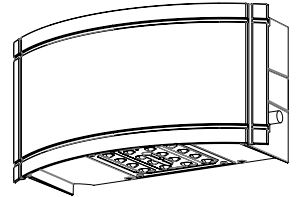
Motion Sensor Location



Wire Guard (WG or VA6172SA)



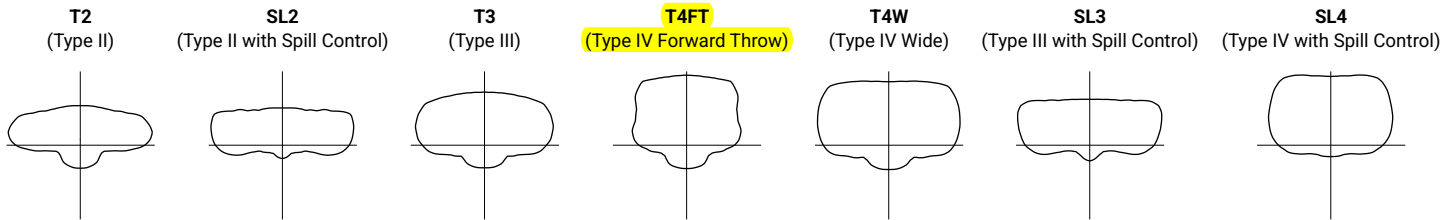
Vandal Shield (VA6174)



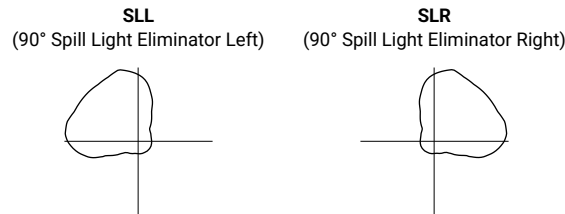
Button Photocell (BPC)

Optical Distributions

Asymmetric Area Distributions



Specialized Distributions



Product Specifications

Construction

- **HOUSING:** Heavy wall, one-piece, die-cast aluminum construction.
- **FACEPLATE / DOOR:** One-piece, die-cast aluminum construction. Captive, side hinged faceplate swings open via release of one flush mount diecast aluminum latch on housing side panel.
- **GASKET:** A one-piece molded silicone gasket creates a reliable seal between the door and housing.
- **LENS:** Downlight is a molded LightSquare optic with an IP66 rated integrated seal. When equipped, the uplight lens is an impact-resistant tempered frosted glass sealed by a continuous bead silicone gasket.
- **HARDWARE:** Stainless steel mounting screws and latch hardware included.

Optics

- Choice of 9 patented, high efficiency AccuLED Optics™ distributions.
- 70CRI CCT options range from 2200K to 5700K and 80CRI options are available from 2700K to 3500K. All options are within 5-step MacAdam ellipse SDGM.
- Greater than 98% lumen maintenance at 60,000 hours per IESNA TM-21.
- IDA Certified 3000 CCT and warmer only

Electrical

- Input voltages options available from 120V to 480V. 480V is only compatible for use with 480V Wye systems.
- Greater than 0.9 power factor, less than 20% harmonic distortion.

- Emergency egress options for -20°C ambient environments, WaveLinx™, occupancy sensor, and dimming options available.
- 10kV surge protection is standard, 20kV is optional.

Mounting

- **JUNCTION BOX:** Mounts to a standard 4" j-box using the supplied zinc-plated quick-mount plate and EPDM gasket.
- Fixture slides over mounting plate and is secured with two concealed stainless steel fasteners.
- The extended back box is utilized when battery pack options are selected.
- When provisions for surface conduit and through-branch wiring are needed the extended back box should be ordered separately using Accessory VA2001-XX.
- The Entri LED luminaire is approved for mounting on combustible surfaces.
- LightSquare mounts facing downward.

Finish

- Housing is finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear.
- LightSquare cover plates are standard white and may be specified to match finish of luminaire housing using option LCF.
- Standard colors include black, bronze, grey, white, dark platinum and graphite metallic.
- RAL and custom color matches available. Additional lead time and charges apply.

Compliance

- cULus certified for use in -40°C to 40°C ambient environments. Optional 50°C rating available.
- IP66 rated electronics enclosure and optics
- Configurations to meet Buy American Act (BAA) and Trade Agreements Act of 1979 (TAA) are available. Please refer to [DOMESTIC PREFERENCES](#) website for more information.
- This Cooper product is manufactured in the US and meets the BABA cost of components rule. To verify a configured product with specific accessories and options meets BABA Domestic Preference Requirements; submit this catalog number to Cooper Lighting Quotation team for validation by our Engineering and Manufacturing teams. Our BABA designation is based on the minimum compliance requirement for BABA. Individual Government Agencies may have more stringent compliance standards.
- Please refer to the [DOMESTIC PREFERENCES](#) website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.

Warranty

- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Energy and Performance Data

[View IES files](#)

Power and Lumens

1 LightSquare (SA Series)		ENC (Entri - Round Clean) / ENT (Entri - Triangle Reveals) / ENV (Entri - Round Reveals)						
Drive Current (mA)		EBP / CBP	SA1A (350mA)	SA1B (450mA)	SA1C (600mA)	SA1D (800mA)	SA1E (1000mA)	SA1F (1200mA)
Power (Watts)	120-277V±	13	20.1	25.4	33.3	43.1	57.2	66.1
Current (A)	120V	--	0.17	0.22	0.29	0.38	0.48	0.56
	277V	--	0.09	0.1	0.13	0.17	0.21	0.25
Power (Watts)	347V or 480V	--	23.3	28.7	36.6	49.5	60.7	70.1
Current (A)	347V	--	0.07	0.08	0.11	0.15	0.18	0.21
	480V	--	0.05	0.06	0.08	0.11	0.13	0.16
Optics								
827 CCT	SL3 (Type III w/Spill Control)	Lumens	557	1,971	2,472	3,253	4,072	5,073
		Lumens per Watt [‡]	42.8	98.1	97.3	97.7	94.5	84.9
		BUG Rating	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2
	SL3-HSS (Type III w/Spill Control, House Side Shield)	Lumens	475	1,684	2,111	2,779	3,478	4,333
		Lumens per Watt [‡]	36.5	83.8	83.1	83.5	80.7	75.8
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
	SL4 (Type IV w/Spill Control)	Lumens	538	1,905	2,389	3,144	3,935	4,903
		Lumens per Watt [‡]	41.4	94.8	94.1	94.4	91.3	85.7
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2
	SL4-HSS (Type IV w/Spill Control, House Side Shield)	Lumens	466	1,649	2,068	2,721	3,406	4,243
		Lumens per Watt [‡]	35.8	82.0	81.4	81.7	79.0	74.2
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G2
	SLR (90° Spill Light Eliminator Right)	Lumens	502	1,777	2,228	2,932	3,670	4,572
		Lumens per Watt [‡]	38.6	88.4	87.7	88.0	85.2	79.9
		BUG Rating	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
	SLR-HSS (90° Spill Light Eliminator Right, House Side Shield)	Lumens	427	1,511	1,895	2,493	3,121	3,888
		Lumens per Watt [‡]	32.8	75.2	74.6	74.9	72.4	68.0
		BUG Rating	B0-U0-G0	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
	SLL (90° Spill Light Eliminator Left)	Lumens	502	1,777	2,228	2,932	3,670	4,572
		Lumens per Watt [‡]	38.6	88.4	87.7	88.0	85.2	79.9
		BUG Rating	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
	SLL-HSS (90° Spill Light Eliminator Left, House Side Shield)	Lumens	427	1,511	1,895	2,493	3,121	3,888
		Lumens per Watt [‡]	32.8	75.2	74.6	74.9	72.4	68.0
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
830 CCT	T2 (Type II)	Lumens	610	2,162	2,711	3,568	4,465	5,563
		Lumens per Watt [‡]	46.9	107.6	106.7	107.1	103.6	97.3
		BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2
	T2-HSS (Type II, House Side Shield)	Lumens	464	1,644	2,061	2,713	3,395	4,230
		Lumens per Watt [‡]	35.7	81.8	81.1	81.5	78.8	74.0
		BUG Rating	B0-U0-G0	B0-U0-G0	B0-U0-G1	B0-U0-G1	B0-U0-G1	B0-U0-G1
	T3 (Type III)	Lumens	624	2,212	2,773	3,650	4,568	5,691
		Lumens per Watt [‡]	48.0	110.0	109.2	109.6	106.0	99.5
		BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2
	T3-HSS (Type III, House Side Shield)	Lumens	471	1,669	2,093	2,754	3,447	4,295
		Lumens per Watt [‡]	36.2	83.0	82.4	82.7	80.0	75.1
		BUG Rating	B0-U0-G0	B0-U0-G0	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G1
	T4FT (Type IV Forward Throw)	Lumens	587	2,080	2,608	3,432	4,296	5,352
		Lumens per Watt [‡]	45.2	103.5	102.7	103.1	99.7	93.6
		BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2
	T4FT-HSS (Type IV Forward Throw, House Side Shield)	Lumens	434	1,538	1,929	2,539	3,177	3,959
		Lumens per Watt [‡]	33.4	76.5	75.9	76.2	73.7	69.2
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G2

Project		Catalog #		Type	
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ENC/ENT/ENV Entri LED

Architectural Wall Luminaire

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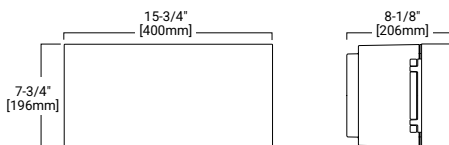


Quick Facts

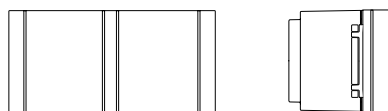
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- Flush mounted die-cast latch for tool-less maintenance access
- Mounts to a 4-inch junction box with concealed stainless steel fasteners
- Choice of 9 AccuLED(TM) optical distributions
- Optional upright available with clear or colored lenses

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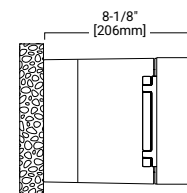
ENC (Round Clean)



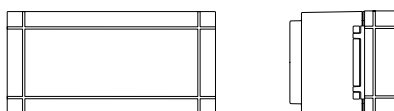
ENT (Triangle Reveals)



Conduit Mount/Battery Back Box



ENV (Round Reveals)



SHIPPING DATA

Approximate Net Weight:

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29.1 lbs. (13.2 kgs.) - With backbox

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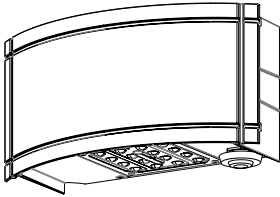
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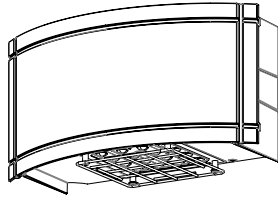
SAMPLE NUMBER: ENC-SA1C-740-U-T4W-GM-ULG-HA-WPS2BK

Domestic Preferences ²⁴	Product Family ¹	Light Engine		Color Temperature	Voltage	Distribution	Finish
		Configuration	Drive Current				
[Blank]=Standard BAA= Buy American Act ²⁴ TAA= Trade Agreements Act ²⁴ BABA= Build America Buy America ²⁸	ENC= Entri Round Clean ENT= Entri Triangle Reveals ENV= Entri Round Reveals	SA1=1 Square	A= 350mA B= 450mA C= 600mA D= 800mA E= 1000mA F= 1200mA	722= 70CRI, 2200K ³ 727= 70CRI, 2700K ³ 730= 70CRI, 3000K ³ 735= 70CRI, 3500K 740= 70CRI, 4000K 750= 70CRI, 5000K ³ 760= 70CRI, 5700K ³ 827= 80CRI, 2700K ³ 830=80CRI, 3000K ³ 835= 80CRI, 3500K ³	U=UNV(120-277) 1=120 2=208 3=240 4=277 8=480 9=347	T2=Type II T3= Type III T4FT= Type IV Forward Throw T4W= Type IV Wide SL2= Type II w/Spill Control SL3= Type III w/Spill Control SL4= Type IV w/Spill Control SLL= 90° Spill Light Eliminator Left SLR= 90° Spill Light Eliminator Right	AP= Grey BZ= Bronze BK= Black DP= Dark Platinum GM= Graphite Metallic WH= White
Options (Add as Suffix)					Accessories (Order Separately) ²⁵		
F= Singled fused (Must specify voltage, fused on single hot leg of 120, 277, or 347) FF= Doubled fused (Must specify voltage, fused on both hot legs of 208, 240, or 480) 20K= Series 20kV UL 1449 Surge Protective Device 2L= Two-Circuit Light Engine ²³ DIM= 0-10V Dimming Driver ^{5, 6} EBP= Battery Pack with Back Box (Must specify voltage, available in 120V or 277V) ^{2, 4, 9} CBP= Battery Pack with Back Box, Cold Weather Rated (Must specify voltage, available in 120V or 277V) ^{2, 4, 10} CBP-CEC= Battery Pack with Back Box, Cold Weather Rated, CEC compliant (Must specify voltage, available in 120V or 277V) ^{2, 4, 10} R90= Rotated Right 90° L90= Rotated Left 90° HSS= Factory Installed House Side Shield ¹⁶ LCF= LightSquare Trim Plate Matches Housing Finish ¹⁵ ULG= Uplight Glow ⁷ HA= 50°C High Ambient ⁸ WG= Wire Guard TR= Tamper Resistant Hardware BOX= Empty back box (1/2" NPT, each side with plugs installed) BPC= Button Type Photocontrol (Must specify voltage, available in 120, 208, 240, 277V, 347, and 480) AHD145= After Hours Dim, 5 Hours, 50% ¹⁷ AHD245= After Hours Dim, 6 Hours, 50% ¹⁷ AHD255= After Hours Dim, 7 Hours, 50% ¹⁷ AHD355= After Hours Dim, 8 Hours, 50% ¹⁷ SPB1= Dimming Occupancy Sensor with Bluetooth Interface, <8' Mounting ^{13, 21} SPB2= Dimming Occupancy Sensor with Bluetooth Interface, 8'-20' Mounting ^{13, 21} SPB4= Dimming Occupancy Sensor with Bluetooth Interface, 21'-40' Mounting ^{13, 21} MS-L08= Motion Sensor for ON/OFF Operation, Up to 8' Mounting Height ^{11, 12, 13} MS-L20= Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height ^{11, 12, 13} MS/DIM-L08= Motion Sensor for Dimming Operation, Up to 8' Mounting Height ^{11, 12, 13} MS/DIM-L20= Motion Sensor for Dimming Operation, 9' - 20' Mounting Height ^{11, 12, 13} WPS2XX= WaveLinX Pro, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting ^{19, 20} WPS4XX= WaveLinX Pro, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting ^{19, 20} CC= Coastal Construction ²² GRSBK= Glare Reducing Shield, Black ²⁶ GRSWH= Glare Reducing Shield, White ²⁶					MA1253= 10kV Circuit Module Replacement MA1253-480V= 10kV Circuit Module Replacement (480V only) FSIR-100-PK= Wireless Configuration Tool for Occupancy Sensor ¹¹ VA6172SA= Wireguard Accessory VA6174= Tamper-Resistant Driver Bit VA6175= Vandal Shield Accessory VA2001-XX= Thru-Way Conduit Box LS/HSS= House Side Shield (Works with all distributions listed for Entri) LS/GRSBK-2PK= Glare Reducing Shield, Black ²⁶ LS/GRSWH-2PK= Glare Reducing Shield, White ²⁶ LS/PFS= Perimeter Shield, Black ²⁷ WOLC-7P-10A= WaveLinX Outdoor Control Module (7-pin)		
NOTES: 1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. DLC Family Code: MMMSPQ 2. EBP or CBP options limited to 25°C. Control option limited to BPC=Button Type Photocontrol (must specify voltage). 3. Extended lead times apply. Use dedicated IES files when performing layouts. 4. Not available with HA option. 5. Cannot be used with other control options. 6. Low voltage control lead brought out 18" outside fixture. 7. ULG only available in 740 8. Not available with ULG option 9. EBP is rated for minimum operating temperature of 0°C (32°F). Operates daylight for 90-minutes. 10. CBP is rated for minimum operating temperature of -20°C (-4°F). Operates daylight for 90-minutes. 11. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting 12. Replace LXX with the available mounting height options: L08, L20, L40 or L40W are the only choices. 13. Includes integral photosensor. 14. Bronze sensor is shipped with Bronze fixtures. White sensor shipped on all other housing color options. 15. Not available with HSS option. 16. The light square trim plate is painted black when the HSS option is selected. 17. Requires the use of BPC photocontrol. See After Hours Dim supplemental guide for additional information. 18. Control option limited to BPC=Button Type Photocontrol (must specify voltage). 19. WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. 20. Replace XX with sensor color (WH, BZ, or BK). 21. Smart device with mobile application required to change system defaults. See controls section for details. 22. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. 23. 2L not available with FF, ULG or AHD options. Controls and/or battery packs operate only one of the two circuits when 2L is specified. 24. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. 25. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. 26. Not for use with T4FT, T4W, or SL4 optics. 27. Set of 4pcs. One set required per Light Square. 28. Only product configurations with these prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or the Build America Buy America Act (BABA). BABA is the minimum Government compliance requirement for the Build America Buy America standards which is part of the Infrastructure and Investment Jobs Act (IIJA). Individual Government Agencies may have more stringent compliance standards. Please refer to the DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.							

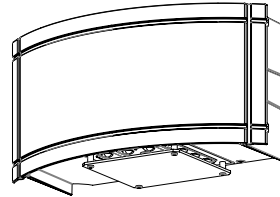
Options & Accessories



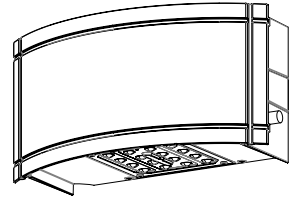
Motion Sensor Location



Wire Guard (WG or VA6172SA)



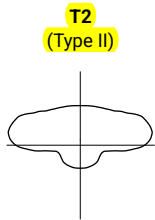
Vandal Shield (VA6174)



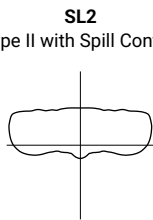
Button Photocell (BPC)

Optical Distributions

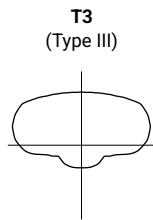
Asymmetric Area Distributions



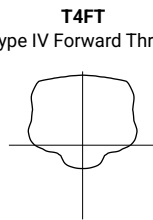
T2
(Type II)



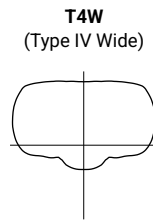
SL2
(Type II with Spill Control)



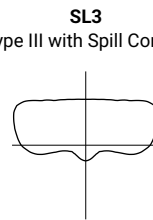
T3
(Type III)



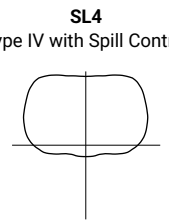
T4FT
(Type IV Forward Throw)



T4W
(Type IV Wide)

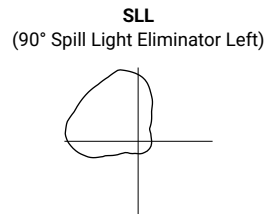


SL3
(Type III with Spill Control)

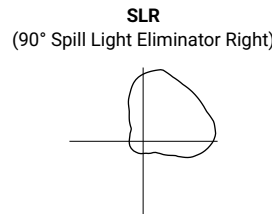


SL4
(Type IV with Spill Control)

Specialized Distributions



SLL
(90° Spill Light Eliminator Left)



SLR
(90° Spill Light Eliminator Right)

Product Specifications

Construction

- **HOUSING:** Heavy wall, one-piece, die-cast aluminum construction.
- **FACEPLATE / DOOR:** One-piece, die-cast aluminum construction. Captive, side hinged faceplate swings open via release of one flush mount diecast aluminum latch on housing side panel.
- **GASKET:** A one-piece molded silicone gasket creates a reliable seal between the door and housing.
- **LENS:** Downlight is a molded LightSquare optic with an IP66 rated integrated seal. When equipped, the uplight lens is an impact-resistant tempered frosted glass sealed by a continuous bead silicone gasket.
- **HARDWARE:** Stainless steel mounting screws and latch hardware included.

Optics

- Choice of 9 patented, high efficiency AccuLED Optics™ distributions.
- 70CRI CCT options range from 2200K to 5700K and 80CRI options are available from 2700K to 3500K. All options are within 5-step MacAdam ellipse SDGM.
- Greater than 98% lumen maintenance at 60,000 hours per IESNA TM-21.
- IDA Certified 3000 CCT and warmer only

Electrical

- Input voltages options available from 120V to 480V. 480V is only compatible for use with 480V Wye systems.
- Greater than 0.9 power factor, less than 20% harmonic distortion.

- Emergency egress options for -20°C ambient environments, WaveLinx™, occupancy sensor, and dimming options available.
- 10kV surge protection is standard, 20kV is optional.

Mounting

- **JUNCTION BOX:** Mounts to a standard 4" j-box using the supplied zinc-plated quick-mount plate and EPDM gasket.
- Fixture slides over mounting plate and is secured with two concealed stainless steel fasteners.
- The extended back box is utilized when battery pack options are selected.
- When provisions for surface conduit and through-branch wiring are needed the extended back box should be ordered separately using Accessory VA2001-XX.
- The Entri LED luminaire is approved for mounting on combustible surfaces.
- LightSquare mounts facing downward.

Finish

- Housing is finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear.
- LightSquare cover plates are standard white and may be specified to match finish of luminaire housing using option LCF.
- Standard colors include black, bronze, grey, white, dark platinum and graphite metallic.
- RAL and custom color matches available. Additional lead time and charges apply.

Compliance

- cULus certified for use in -40°C to 40°C ambient environments. Optional 50°C rating available.
- IP66 rated electronics enclosure and optics
- Configurations to meet Buy American Act (BAA) and Trade Agreements Act of 1979 (TAA) are available. Please refer to [DOMESTIC PREFERENCES](#) website for more information.
- This Cooper product is manufactured in the US and meets the BABA cost of components rule. To verify a configured product with specific accessories and options meets BABA Domestic Preference Requirements; submit this catalog number to Cooper Lighting Quotation team for validation by our Engineering and Manufacturing teams. Our BABA designation is based on the minimum compliance requirement for BABA. Individual Government Agencies may have more stringent compliance standards.
- Please refer to the [DOMESTIC PREFERENCES](#) website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.

Warranty

- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Energy and Performance Data

 View IES files

Power and Lumens

1 LightSquare (SA Series)		ENC (Entri - Round Clean) / ENT (Entri - Triangle Reveals) / ENV (Entri - Round Reveals)						
Drive Current (mA)		EBP / CBP	SA1A (350mA)	SA1B (450mA)	SA1C (600mA)	SA1D (800mA)	SA1E (1000mA)	SA1F (1200mA)
Power (Watts)	120-277V±	13	20.1	25.4	33.3	43.1	57.2	66.1
Current (A)	120V	--	0.17	0.22	0.29	0.38	0.48	0.56
	277V	--	0.09	0.1	0.13	0.17	0.21	0.25
Power (Watts)	347V or 480V	--	23.3	28.7	36.6	49.5	60.7	70.1
Current (A)	347V	--	0.07	0.08	0.11	0.15	0.18	0.21
	480V	--	0.05	0.06	0.08	0.11	0.13	0.16
Optics								
827 CCT	SL3 (Type III w/Spill Control)	Lumens	557	1,971	2,472	3,253	4,072	5,073
		Lumens per Watt [‡]	42.8	98.1	97.3	97.7	94.5	84.9
		BUG Rating	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2
	SL3-HSS (Type III w/Spill Control, House Side Shield)	Lumens	475	1,684	2,111	2,779	3,478	4,333
		Lumens per Watt [‡]	36.5	83.8	83.1	83.5	80.7	75.8
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
	SL4 (Type IV w/Spill Control)	Lumens	538	1,905	2,389	3,144	3,935	4,903
		Lumens per Watt [‡]	41.4	94.8	94.1	94.4	91.3	85.7
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2
	SL4-HSS (Type IV w/Spill Control, House Side Shield)	Lumens	466	1,649	2,068	2,721	3,406	4,243
		Lumens per Watt [‡]	35.8	82.0	81.4	81.7	79.0	74.2
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G2
	SLR (90° Spill Light Eliminator Right)	Lumens	502	1,777	2,228	2,932	3,670	4,572
		Lumens per Watt [‡]	38.6	88.4	87.7	88.0	85.2	79.9
		BUG Rating	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
	SLR-HSS (90° Spill Light Eliminator Right, House Side Shield)	Lumens	427	1,511	1,895	2,493	3,121	3,888
		Lumens per Watt [‡]	32.8	75.2	74.6	74.9	72.4	68.0
		BUG Rating	B0-U0-G0	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
	SLL (90° Spill Light Eliminator Left)	Lumens	502	1,777	2,228	2,932	3,670	4,572
		Lumens per Watt [‡]	38.6	88.4	87.7	88.0	85.2	79.9
		BUG Rating	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
	SLL-HSS (90° Spill Light Eliminator Left, House Side Shield)	Lumens	427	1,511	1,895	2,493	3,121	3,888
		Lumens per Watt [‡]	32.8	75.2	74.6	74.9	72.4	68.0
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
830 CCT	T2 (Type II)	Lumens	610	2,162	2,711	3,568	4,465	5,563
		Lumens per Watt [‡]	46.9	107.6	106.7	107.1	103.6	97.3
		BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2
	T2-HSS (Type II, House Side Shield)	Lumens	464	1,644	2,061	2,713	3,395	4,230
		Lumens per Watt [‡]	35.7	81.8	81.1	81.5	78.8	74.0
		BUG Rating	B0-U0-G0	B0-U0-G0	B0-U0-G1	B0-U0-G1	B0-U0-G1	B0-U0-G1
	T3 (Type III)	Lumens	624	2,212	2,773	3,650	4,568	5,691
		Lumens per Watt [‡]	48.0	110.0	109.2	109.6	106.0	99.5
		BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2
	T3-HSS (Type III, House Side Shield)	Lumens	471	1,669	2,093	2,754	3,447	4,295
		Lumens per Watt [‡]	36.2	83.0	82.4	82.7	80.0	75.1
		BUG Rating	B0-U0-G0	B0-U0-G0	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G1
	T4FT (Type IV Forward Throw)	Lumens	587	2,080	2,608	3,432	4,296	5,352
		Lumens per Watt [‡]	45.2	103.5	102.7	103.1	99.7	93.6
		BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2
	T4FT-HSS (Type IV Forward Throw, House Side Shield)	Lumens	434	1,538	1,929	2,539	3,177	3,959
		Lumens per Watt [‡]	33.4	76.5	75.9	76.2	73.7	69.2
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G2

Project		Catalog #		Type	
Prepared by		Notes		Date	



Invue

ENC/ENT/ENV Entri LED

Architectural Wall Luminaire

Product Features



Interactive Menu

- Order Information page 3
- Product Specifications page 4
- Control Options page 5
- Optical Distributions page 2
- Mounting Accessories page 7

Product Certifications

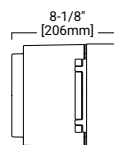
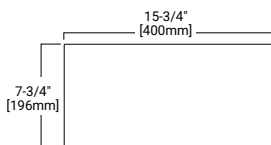


Quick Facts

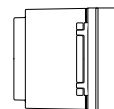
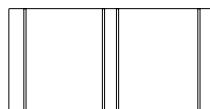
- Robust die-cast IP66 rated construction
- Flush mounted die-cast latch for tool-less maintenance access
- Mounts to a 4-inch junction box with concealed stainless steel fasteners
- Choice of 9 AccuLED(TM) optical distributions
- Optional upright available with clear or colored lenses

Dimensional and Mounting Details

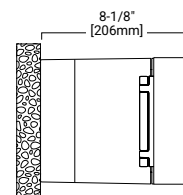
ENC (Round Clean)



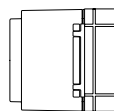
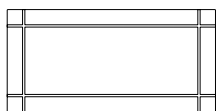
ENT (Triangle Reveals)



Conduit Mount/Battery Back Box



ENV (Round Reveals)



SHIPPING DATA

Approximate Net Weight:

15.2 lbs. (6.9 kgs.) - Without backbox

29.1 lbs. (13.2 kgs.) - With backbox

NOTES:

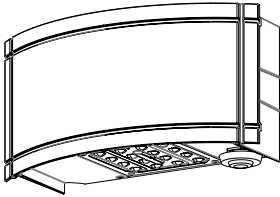
1. IDA Certified for 3000K CCT and warmer only

Ordering Information

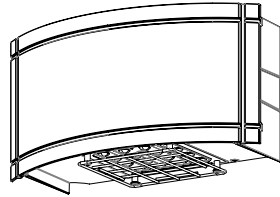
SAMPLE NUMBER: ENC-SA1C-740-U-T4W-GM-ULG-HA-WPS2BK

Domestic Preferences ²⁴	Product Family ¹	Light Engine		Color Temperature	Voltage	Distribution	Finish
		Configuration	Drive Current				
[Blank] =Standard BAA = Buy American Act ²⁴ TAA = Trade Agreements Act ²⁴ BABA = Build America Buy America ²⁸	ENC = Entri Round Clean ENT = Entri Triangle Reveals ENV = Entri Round Reveals	SA1 =1 Square	A =350mA B =450mA C =600mA D =800mA E =1000mA F =1200mA	722 =70CRI, 2200K ³ 727 =70CRI, 2700K ³ 730 =70CRI, 3000K ³ 735 =70CRI, 3500K 740 =70CRI, 4000K 750 =70CRI, 5000K ³ 760 =70CRI, 5700K ³ 827 =80CRI, 2700K ³ 830 =80CRI, 3000K ³ 835 =80CRI, 3500K ³	U =UNV(120-277) 1=120 2=208 3=240 4=277 8=480 9=347	T2 =Type II T3 =Type III T4FT =Type IV Forward Throw T4W =Type IV Wide SL2 =Type II w/Spill Control SL3 =Type III w/Spill Control SL4 =Type IV w/Spill Control SLL =90° Spill Light Eliminator Left SLR =90° Spill Light Eliminator Right	AP =Grey BZ =Bronze BK =Black DP =Dark Platinum GM =Graphite Metallic WH =White
Options (Add as Suffix)					Accessories (Order Separately) ²⁵		
F =Singled fused (Must specify voltage, fused on single hot leg of 120, 277, or 347) FF =Doubled fused (Must specify voltage, fused on both hot legs of 208, 240, or 480) 20K =Series 20kV UL 1449 Surge Protective Device 2L =Two-Circuit Light Engine ²³ DIM =0-10V Dimming Driver ^{5,6} EBP =Battery Pack with Back Box (Must specify voltage, available in 120V or 277V) ^{2,4,9} CBP =Battery Pack with Back Box, Cold Weather Rated (Must specify voltage, available in 120V or 277V) ^{2,4,10} CBP-CEC =Battery Pack with Back Box, Cold Weather Rated, CEC compliant (Must specify voltage, available in 120V or 277V) ^{2,4,10} R90 =Rotated Right 90° L90 =Rotated Left 90° HSS =Factory Installed House Side Shield ¹⁶ LCF =LightSquare Trim Plate Matches Housing Finish ¹⁵ ULG =Uplight Glow ⁷ HA =50°C High Ambient ⁸ WG =Wire Guard TR =Tamper Resistant Hardware BOX =Empty back box (1/2" NPT, each side with plugs installed) BPC =Button Type Photocontrol (Must specify voltage, available in 120, 208, 240, 277V, 347, and 480) AHD145 =After Hours Dim, 5 Hours, 50% ¹⁷ AHD245 =After Hours Dim, 6 Hours, 50% ¹⁷ AHD255 =After Hours Dim, 7 Hours, 50% ¹⁷ AHD355 =After Hours Dim, 8 Hours, 50% ¹⁷ SPB1 =Dimming Occupancy Sensor with Bluetooth Interface, <8' Mounting ^{13,21} SPB2 =Dimming Occupancy Sensor with Bluetooth Interface, 8'-20' Mounting ^{13,21} SPB4 =Dimming Occupancy Sensor with Bluetooth Interface, 21'-40' Mounting ^{13,21} MS-L08 =Motion Sensor for ON/OFF Operation, Up to 8' Mounting Height ^{11,12,13} MS-L20 =Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height ^{11,12,13} MS/DIM-L08 =Motion Sensor for Dimming Operation, Up to 8' Mounting Height ^{11,12,13} MS/DIM-L20 =Motion Sensor for Dimming Operation, 9' - 20' Mounting Height ^{11,12,13} WPS2XX =WaveLinX Pro, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting ^{19,20} WPS4XX =WaveLinX Pro, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting ^{19,20} CC =Coastal Construction ²² GRSBK =Glare Reducing Shield, Black ²⁶ GRSWH =Glare Reducing Shield, White ²⁶					MA1253 =10kV Circuit Module Replacement MA1253-480V =10kV Circuit Module Replacement (480V only) FSIR-100-PK =Wireless Configuration Tool for Occupancy Sensor ¹¹ VA6172SA =Wireguard Accessory VA6174 =Tamper-Resistant Driver Bit VA6175 =Vandal Shield Accessory VA2001-XX =Thru-Way Conduit Box LS/HSS =House Side Shield (Works with all distributions listed for Entri) LS/GRSBK-2PK =Glare Reducing Shield, Black ²⁶ LS/GRSWH-2PK =Glare Reducing Shield, White ²⁶ LS/PFS =Perimeter Shield, Black ²⁷ WOLC-7P-10A =WaveLinX Outdoor Control Module (7-pin)		
NOTES: 1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. DLC Family Code: MMMSPQ 2. EBP or CBP options limited to 25°C. Control option limited to BPC=Button Type Photocontrol (must specify voltage). 3. Extended lead times apply. Use dedicated IES files when performing layouts. 4. Not available with HA option. 5. Cannot be used with other control options. 6. Low voltage control lead brought out 18" outside fixture. 7. ULG only available in 740 8. Not available with ULG option 9. EBP is rated for minimum operating temperature of 0°C (32°F). Operates daylight for 90-minutes. 10. CBP is rated for minimum operating temperature of -20°C (-4°F). Operates daylight for 90-minutes. 11. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting 12. Replace LXX with the available mounting height options: L08, L20, L40 or L40W are the only choices. 13. Includes integral photosensor. 14. Bronze sensor is shipped with Bronze fixtures. White sensor shipped on all other housing color options. 15. Not available with HSS option. 16. The light square trim plate is painted black when the HSS option is selected. 17. Requires the use of BPC photocontrol. See After Hours Dim supplemental guide for additional information. 18. Control option limited to BPC=Button Type Photocontrol (must specify voltage). 19. WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. 20. Replace XX with sensor color (WH, BZ, or BK). 21. Smart device with mobile application required to change system defaults. See controls section for details. 22. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. 23. 2L not available with FF, ULG or AHD options. Controls and/or battery packs operate only one of the two circuits when 2L is specified. 24. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. 25. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. 26. Not for use with T4FT, T4W, or SL4 optics. 27. Set of 4pcs. One set required per Light Square. 28. Only product configurations with these prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or the Build America Buy America Act (BABA). BABA is the minimum Government compliance requirement for the Build America Buy America standards which is part of the Infrastructure and Investment Jobs Act (IIJA). Individual Government Agencies may have more stringent compliance standards. Please refer to the DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.							

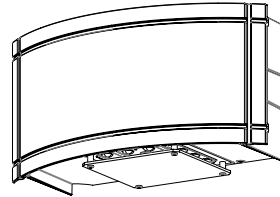
Options & Accessories



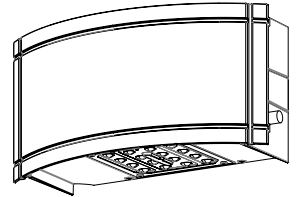
Motion Sensor Location



Wire Guard (WG or VA6172SA)



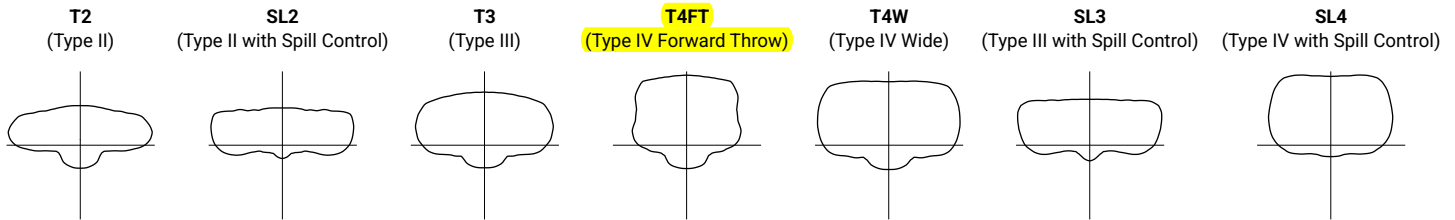
Vandal Shield (VA6174)



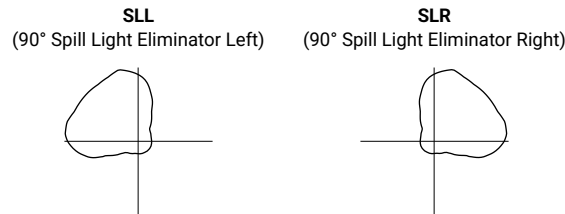
Button Photocell (BPC)

Optical Distributions

Asymmetric Area Distributions



Specialized Distributions



Product Specifications

Construction

- **HOUSING:** Heavy wall, one-piece, die-cast aluminum construction.
- **FACEPLATE / DOOR:** One-piece, die-cast aluminum construction. Captive, side hinged faceplate swings open via release of one flush mount diecast aluminum latch on housing side panel.
- **GASKET:** A one-piece molded silicone gasket creates a reliable seal between the door and housing.
- **LENS:** Downlight is a molded LightSquare optic with an IP66 rated integrated seal. When equipped, the uplight lens is an impact-resistant tempered frosted glass sealed by a continuous bead silicone gasket.
- **HARDWARE:** Stainless steel mounting screws and latch hardware included.

Optics

- Choice of 9 patented, high efficiency AccuLED Optics™ distributions.
- 70CRI CCT options range from 2200K to 5700K and 80CRI options are available from 2700K to 3500K. All options are within 5-step MacAdam ellipse SDCM.
- Greater than 98% lumen maintenance at 60,000 hours per IESNA TM-21.
- IDA Certified 3000 CCT and warmer only

Electrical

- Input voltages options available from 120V to 480V. 480V is only compatible for use with 480V Wye systems.
- Greater than 0.9 power factor, less than 20% harmonic distortion.

- Emergency egress options for -20°C ambient environments, WaveLinX™, occupancy sensor, and dimming options available.
- 10kV surge protection is standard, 20kV is optional.

Mounting

- **JUNCTION BOX:** Mounts to a standard 4" j-box using the supplied zinc-plated quick-mount plate and EPDM gasket.
- Fixture slides over mounting plate and is secured with two concealed stainless steel fasteners.
- The extended back box is utilized when battery pack options are selected.
- When provisions for surface conduit and through-branch wiring are needed the extended back box should be ordered separately using Accessory VA2001-XX.
- The Entri LED luminaire is approved for mounting on combustible surfaces.
- LightSquare mounts facing downward.

Finish

- Housing is finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear.
- LightSquare cover plates are standard white and may be specified to match finish of luminaire housing using option LCF.
- Standard colors include black, bronze, grey, white, dark platinum and graphite metallic.
- RAL and custom color matches available. Additional lead time and charges apply.

Compliance

- cULus certified for use in -40°C to 40°C ambient environments. Optional 50°C rating available.
- IP66 rated electronics enclosure and optics
- Configurations to meet Buy American Act (BAA) and Trade Agreements Act of 1979 (TAA) are available. Please refer to [DOMESTIC PREFERENCES](#) website for more information.
- This Cooper product is manufactured in the US and meets the BABA cost of components rule. To verify a configured product with specific accessories and options meets BABA Domestic Preference Requirements; submit this catalog number to Cooper Lighting Quotation team for validation by our Engineering and Manufacturing teams. Our BABA designation is based on the minimum compliance requirement for BABA. Individual Government Agencies may have more stringent compliance standards.
- Please refer to the [DOMESTIC PREFERENCES](#) website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.

Warranty

- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Energy and Performance Data

 View IES files

Power and Lumens

1 LightSquare (SA Series)		ENC (Entri - Round Clean) / ENT (Entri - Triangle Reveals) / ENV (Entri - Round Reveals)						
Drive Current (mA)		EBP / CBP	SA1A (350mA)	SA1B (450mA)	SA1C (600mA)	SA1D (800mA)	SA1E (1000mA)	SA1F (1200mA)
Power (Watts)	120-277V±	13	20.1	25.4	33.3	43.1	57.2	66.1
Current (A)	120V	--	0.17	0.22	0.29	0.38	0.48	0.56
	277V	--	0.09	0.1	0.13	0.17	0.21	0.25
Power (Watts)	347V or 480V	--	23.3	28.7	36.6	49.5	60.7	70.1
Current (A)	347V	--	0.07	0.08	0.11	0.15	0.18	0.21
	480V	--	0.05	0.06	0.08	0.11	0.13	0.16
Optics								
827 CCT	SL3 (Type III w/Spill Control)	Lumens	557	1,971	2,472	3,253	4,072	5,073
		Lumens per Watt [‡]	42.8	98.1	97.3	97.7	94.5	84.9
		BUG Rating	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2
	SL3-HSS (Type III w/Spill Control, House Side Shield)	Lumens	475	1,684	2,111	2,779	3,478	4,333
		Lumens per Watt [‡]	36.5	83.8	83.1	83.5	80.7	75.8
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
	SL4 (Type IV w/Spill Control)	Lumens	538	1,905	2,389	3,144	3,935	4,903
		Lumens per Watt [‡]	41.4	94.8	94.1	94.4	91.3	85.7
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2
	SL4-HSS (Type IV w/Spill Control, House Side Shield)	Lumens	466	1,649	2,068	2,721	3,406	4,243
		Lumens per Watt [‡]	35.8	82.0	81.4	81.7	79.0	74.2
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G2
	SLR (90° Spill Light Eliminator Right)	Lumens	502	1,777	2,228	2,932	3,670	4,572
		Lumens per Watt [‡]	38.6	88.4	87.7	88.0	85.2	79.9
		BUG Rating	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
	SLR-HSS (90° Spill Light Eliminator Right, House Side Shield)	Lumens	427	1,511	1,895	2,493	3,121	3,888
		Lumens per Watt [‡]	32.8	75.2	74.6	74.9	72.4	68.0
		BUG Rating	B0-U0-G0	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
	SLL (90° Spill Light Eliminator Left)	Lumens	502	1,777	2,228	2,932	3,670	4,572
		Lumens per Watt [‡]	38.6	88.4	87.7	88.0	85.2	79.9
		BUG Rating	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
	SLL-HSS (90° Spill Light Eliminator Left, House Side Shield)	Lumens	427	1,511	1,895	2,493	3,121	3,888
		Lumens per Watt [‡]	32.8	75.2	74.6	74.9	72.4	68.0
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
830 CCT	T2 (Type II)	Lumens	610	2,162	2,711	3,568	4,465	5,563
		Lumens per Watt [‡]	46.9	107.6	106.7	107.1	103.6	97.3
		BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2
	T2-HSS (Type II, House Side Shield)	Lumens	464	1,644	2,061	2,713	3,395	4,230
		Lumens per Watt [‡]	35.7	81.8	81.1	81.5	78.8	74.0
		BUG Rating	B0-U0-G0	B0-U0-G0	B0-U0-G1	B0-U0-G1	B0-U0-G1	B0-U0-G1
	T3 (Type III)	Lumens	624	2,212	2,773	3,650	4,568	5,691
		Lumens per Watt [‡]	48.0	110.0	109.2	109.6	106.0	99.5
		BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2
	T3-HSS (Type III, House Side Shield)	Lumens	471	1,669	2,093	2,754	3,447	4,295
		Lumens per Watt [‡]	36.2	83.0	82.4	82.7	80.0	75.1
		BUG Rating	B0-U0-G0	B0-U0-G0	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G1
	T4FT (Type IV Forward Throw)	Lumens	587	2,080	2,608	3,432	4,296	5,352
		Lumens per Watt [‡]	45.2	103.5	102.7	103.1	99.7	93.6
		BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2
	T4FT-HSS (Type IV Forward Throw, House Side Shield)	Lumens	434	1,538	1,929	2,539	3,177	3,959
		Lumens per Watt [‡]	33.4	76.5	75.9	76.2	73.7	69.2
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G2

FCB8C-18L02



Date:

2/2026

Approved:

Type:

FC-18LO2-UNV-38-4K-L/-X

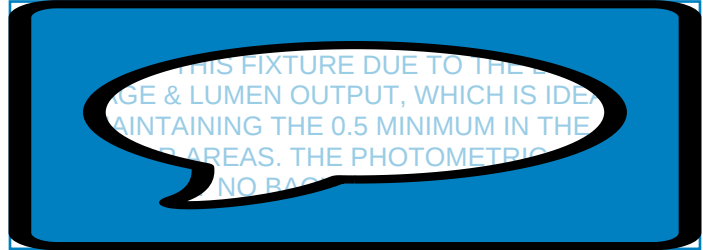
Lumi:



Project:

SCRIBER LAKE

FCB8C-18L02 Exterior die-cast aluminum, 8" nominal diameter bollard with a 180° window and 2" high lens.



SPECIFICATIONS

PHYSICAL

dimensions	39.5" H x 7.87" Ø
weight	18 lbs
housing	Marine grade, corrosion resistant, heavy gauge extruded aluminum
lens	Clear, heat resistant, tempered glass
mounting	Heavy wall base bracketing for bollard installation provides a unique mounting solution, so the tower body anchors flush to the ground without the appearance of a base plate, anchor bolts included
ingress protection	IP66: dry, damp, or wet locations
finish	Available in Black, Bronze, Graphite Grey, Silver, White and Custom Colors. Six stage chemical iron phosphate conversion pre-treatment. Polyester powder coat finish, 18 µm minimum, 5,000 hour salt spray test (ASTM B117) compliant with Florida / AAMA 2604 specification.

PERFORMANCE

color temperature	2700K, 3000K, 3500K, 4000K
lumen output	593 lm, 625 lm, 630 lm, 663 lm
lumen maintenance	L70 > 70,000 hours
color consistency	3 SDCM, 85 CRI
operating temperature	-13°F to 104°F (-25°C to 40°C)
warranty	5-Year limited warranty

ELECTRICAL

input voltage	Universal 120 - 277 VAC, optional: 347 VAC, 480 VAC
power supply	Integral Class II, electronic, high power factor > 94% @ 120V
certification	ETL/cETL Listed
standards	UL1598/CSA C22.2 No. 250.0; UI 8750/CSA C22.2 No. 250.13/IES LM-79/LM-80
power consumption	15W @ 120 - 277 VAC (maximum)
dimming	0-10V (10%)

Due to continuous development and improvements, specifications are subject to change without notice.
Product use certifies agreement to FC Lighting terms and conditions.



Ordering Information

ORDERING INFORMATION

FCB8C-18L02		39		7L		
SERIES	VOLTAGE	HEIGHT	CCT	LUMENS	FINISH	OPTIONS
	UNV UNV 120 - 277 VAC	39 39.5"	27K 2700K	7L 663 lm (15W)	BKE Black	LD 0-10V Dimming (Standard)
	347V 347 VAC		3K 3000K		BRE Bronze	SP20 20kV Surge Protector
	480V 480 VAC		35K 3500K		GRE Graphite Grey	BBU Battery Backup (Integral)
	120V 120 VAC (Photo Eye)		4K 4000K		SLE Silver	SP20-BBU (2) 20kV Surge Protectors (1/LED Driver, 1/BBU) and Battery Backup (Integral)
	277V 277 VAC (Photo Eye)				WHE White	
					CCE Custom Color	PE120 Photo Eye for 120 VAC
						PE277 Photo Eye for 277 VAC
						LAB ¹ Less Anchor Bolt Kit - for shipment separate of Anchor Bolt Kit
						TR Tamper Resistant Hardware

ANCHOR BOLT KITS

A00836

Anchor Bolt Kit - Complete Anchor Bolt Kit shipped in advance of luminaire.

¹ **Note:** Luminaire must be mounted into FC Lighting supplied Anchor Bolt Kit shipped with or separate of luminaire.

Consult Factory for other options and configurations.

To ensure you receive proper configurations for your lighting specifications, contact us directly about any unique application requirements. This may include but not be limited to lumen output, mounting needs, or electrical requirements.

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Product use certifies agreement to FC Lighting terms and conditions.

PRODUCT DIMENSIONS - STANDARD PRODUCT



mounting hole pattern

CONCRETE PAD MUST BE LARGER THAN BASE OUTSIDE DIAMETER

Bolts are Min. 2" above concrete

CONCRETE PAD MUST BE LEVEL

CONCRETE PAD SIZE TO COMPLY WITH LOCAL CODE

CONCRETE

ANCHOR BOLTS MUST PROTRUDE 2 INCHES FROM FINISHED SURFACE

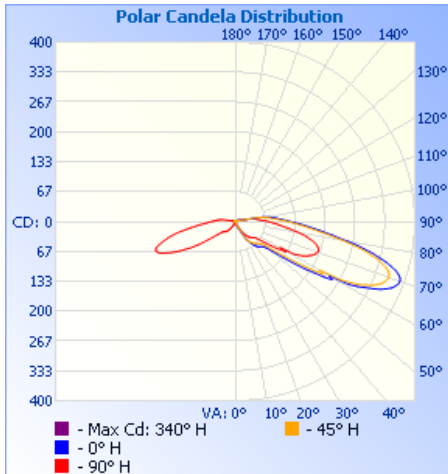
#	ANCHOR BOLT TEMPLATE ASSEMBLY (A00836) (Includes below items)	QTY.
1	3/8" x 12" x 2" L hook Anchor Bolt (X91603A120)	4
2	3/8" FLAT WASHER H-D GALV STEEL	8
3	ANCHOR BOLT WOOD TEMPLATE	1
4	ANCHOR BOLT LABEL	1
5	3/8"-16 HEX NUT H-D GALV STEEL	8
6	PLASTIC BAG, SEALED	1

3

Photometry



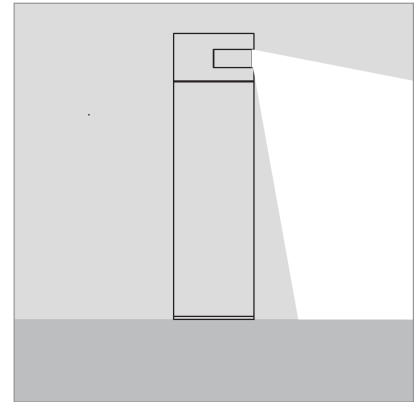
OPTICAL DISTRIBUTION



Illuminance at a Distance

	Center Beam fc	Beam Width
1.7ft	0.21 fc	0.8 ft 5.9 ft
3.3ft	0.06 fc	1.6 ft 11.5 ft
5.0ft	0.02 fc	2.4 ft 17.4 ft
6.7ft	0.01 fc	3.3 ft 23.3 ft
8.3ft	0.01 fc	4.0 ft 28.8 ft
10.0ft	0.01 fc	4.9 ft 34.7 ft

■ Vert. Spread: 27.3°
■ Horiz. Spread: 120.1°



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LED WATTAGE CHART

Drive Current	16L
425 milliamps	22W (1208-2147 Lumens)
530 milliamps	28W (1829-3251 Lumens)
700 milliamps	37W (2415-4294 Lumens)
850 milliamps	43W (2933-5214 Lumens)

FORM

- Elegant Die-Cast Aluminum Housing
- Corrosion Resistant Stainless Steel External Hardware
- Sleek, Low Profile Housing
- Spec Grade Performance
- Engineered For Optimum Thermal Management

FUNCTION

- Micro Optics IES Distributions T2, T3, T4, T5, T4FTW, T5W
- 0-10V Dimming Drivers
THD @ Max Load < 15%
Power factor @ Max Load < 0.95
- Amber, 2700K, 3000K, 3500K, 4000K, or 5000K
- 16L LED Configuration
- CRI 70, 80, or 90
- 5 Mils Powder Coat
- Up to 5,214 Lumens

RELIABILITY

- Silicone Micro Optics
- 5 Year Standard Warranty
- IP67 Optics
- IP66 Fixture

BUY AMERICAN

To ensure the latest BAA/TAA/BABA Standards are being met, please select BAA, TAA, or BABA in the options section. Please contact the factory before placing an order for any NLS products requesting BAA (Buy American Act), TAA (Trade Agreement Act), or BABA (Build America, Buy America).



Project Name:

Type:

ORGANIX - 1 CEILING MOUNT ORDERING GUIDE

Cat#	Light Dist.	# of LEDs	Miliamps	Kelvin	Volts
Organix - 1 Ceiling Mount (ORX-1)	Type 2 (T2)	16 (16L)	425 (42)	Amber 585-600nM (AMBER) ^{2, 4, 7, 10}	120-277 (UNV)
	Type 3 (T3)		530 (53)	Amber LED Phosphor Converted (AMBER/PC) ^{2, 7, 10}	
	Type 4 (T4)		700 (7)	2700K, 70 CRI (27K7) ⁷	
	Type 4 Forward Throw Wide (T4FTW)		850 (85) ¹³	2700K, 80 CRI (27K8) ^{1, 7}	
	Type 5 (T5)			3000K, 70 CRI (30K7) ⁷	
	Type 5 Wide (T5W)			3000K, 80 CRI (30K8) ^{1, 7}	
				3500K, 80 CRI (35K8)	
				4000K, 70 CRI (40K7)	
				4000K, 80 CRI (40K8) ¹	
				5000K, 70 CRI (50K7)	
				5000K, 80 CRI (50K8) ¹	

Mounting	Color	Controls Options	Options	Lens Options
Ceiling Mount (CM)	Bronze Textured (BRZ)	Microwave Motion Sensor (MMS) ^{6, 9}	Marine Grade Finish (MGF)	Clear Tempered Glass Lens (CTG) ¹⁴
Pendant Mount 12" Length (PM12)	White Textured (WHT)	Microwave Motion Sensor Custom Setting (MMS-CST) ^{2, 6}	House Side Shield (HSS) ⁸	Diffused Polycarbonate Visual Comfort Lens (DPCL) ^{2, 14}
Pendant Mount 24" Length (PM24)	Smooth White Gloss (SWT)	Emergency Battery 4W (EM4) ⁶	Tamper Proof Hardware (TPH)	HAL Lens (HAL) ^{2, 11, 14}
Pendant Mount 36" Length (PM36)	Silver Metallic (SVR)	Custom Controls Integration (CCI) ³	Bird Shroud (BSC) ²	
Pendant Mount Custom Length (PMX) ¹²	Black Textured (BLK)		Buy American Act (BAA) ⁵	
	Smooth Black Gloss (SBK)		Trade Agreement Act (TAA) ⁵	
	Graphite Textured (GPH)		Build America Buy American (BABA) ⁵	
	Grey Textured (GRY)			
	Green Textured (GRN)			
	Hunter Green Textured (HGN)			
	Custom (CS)			

NOTES:

1. Consult Factory For Lead Time. Consult Factory For 90 CRI Requests.
2. Consult Factory
3. Please contact Factory for Custom Control Integration requests (nLight, NX, WaveLinX, Crestron, DMX/RDM, Synapse, Casambi, Dali II, Avi-On, or other control systems)
4. Turtle Safe
5. Consult factory for all BAA/TAA/BABA requests
6. MMS and EM4 are not available in the same fixture
7. 3000K or lower, with fixed mounting options only, must be selected to meet International Dark-Sky Association certification.
8. Not Available with Lens Options (VCA, VCS, DPCL, CTG)
9. MMS Setting - Occupancy: 100% Light Output.
After 30 Min No Occupancy: 10% Light Output.
For custom sensor settings, Please enter MMS-CST and Contact factory.
10. Not Available above 530mA.
11. HAL Lens: Yellow Polycarbonate Lens - less than 2% Blue Light Content
12. Consult Factory for Custom Pendant Lengths.
13. Not Available with Lens Options
14. 700mA Max For Lens Options



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PRODUCT SPECIFICATIONS

ELECTRICAL

- 120-277 Volts (UNV)
- 0-10V dimming driver
- Driver power factor at maximum load is $\geq .95$, THD maximum load is 15%
- LED Drivers Ambient Temp. Min is -40°C and Ambient Temp. Max ranges from 50°C to 55°C and, in some cases, even higher. Consult the factory for revalidation by providing the fixture catalog string before quoting and specifying it.
- All drivers, controls, and sensors housed in enclosed IP66 compartment
- CRI 70, 80 or 90
- Color temperatures: Amber, 2700K, 3000K, 3500K, 4000K, 5000K
- Surge Protection: 20KVA supplied as standard.

CONSTRUCTION

- Die Cast Aluminum
- Internal cooling fins
- Corrosion resistant external hardware
- One-piece silicone gasket ensures IP66 seal for electronics compartment

OPTICS

Silicone optics high thermal stability and light output provide higher powered LEDs with minimized lumen depreciation. UV stability with scratch resistance increases exterior application durability. Silicone optics do not yellow, crack or brittle over time.

CONTROL OPTIONS

- Microwave Motion Sensor
- Emergency Battery 4W
- Controls Agnostic: Please contact factory for your preferred controls option. (nLight, NX, WaveLinx, Crestron, DMX/RDM, Synapse, Casambi, DALI II, Avi-On, or other control systems)

OPTIONS

- BIRD SPIKES (BS) - Offer an effective and humane deterrent for larger bird species and provide a cost-effective long-term solution to nuisance bird infestations and to protect your property.
- MARINE GRADE FINISH (MGF) - A multi-step process creating a protective finishing coat against harsh environments. Chemically washed in a 5-stage cleaning system. Pre-baked, Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer. Oven Baked. Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.
- House Side Shield (HSS) is designed for full property line cutoff.

FINISH

- 3-5 mils electrostatic powder coat.
- NLS Lighting standard high-quality finishes prevent corrosion, and protects against extreme environmental conditions.
- 10 Standard Finishes, Custom Finish and Marine Grade Finish Available

WARRANTY

- Five-year limited warranty for drivers and LEDs.
- Consult Factory for 7 or 10 year warranty

LISTINGS

- UL Listed in compliance with UL 1598, the Standard for Safety of Luminaires, including the applicable wet location requirements
- Compliant with UL 8750 LED driver design and test safety standards
- CSA C22.2 No. 250.0
- IP66 Rated Fixture
- IP67 Rated Optics
- IK10 Rated
- Dark Sky Certified, 3000K or lower, with fixed mounting options only, must be selected to meet International Dark-Sky Association certification.

BUY AMERICAN OPTION

While all of the NLS Lighting products listed in this document qualify for the Buy America(n) Act of 1933, we reserve the right to change our listings without notice.

The information provided above is for general informational purposes only. We encourage you to consult legal professionals for advice particular to your projects concerning BAA, TAA, BABA or Buy America.

Additional NLS Products that meet BAA, TAA standards can be found at the following link:

<https://nlsighting.com/buy-american/>



The information and specifications on this document are subject to change without any notification. All values are design, nominal, typical or prorated values when measured under internal and external laboratory conditions.

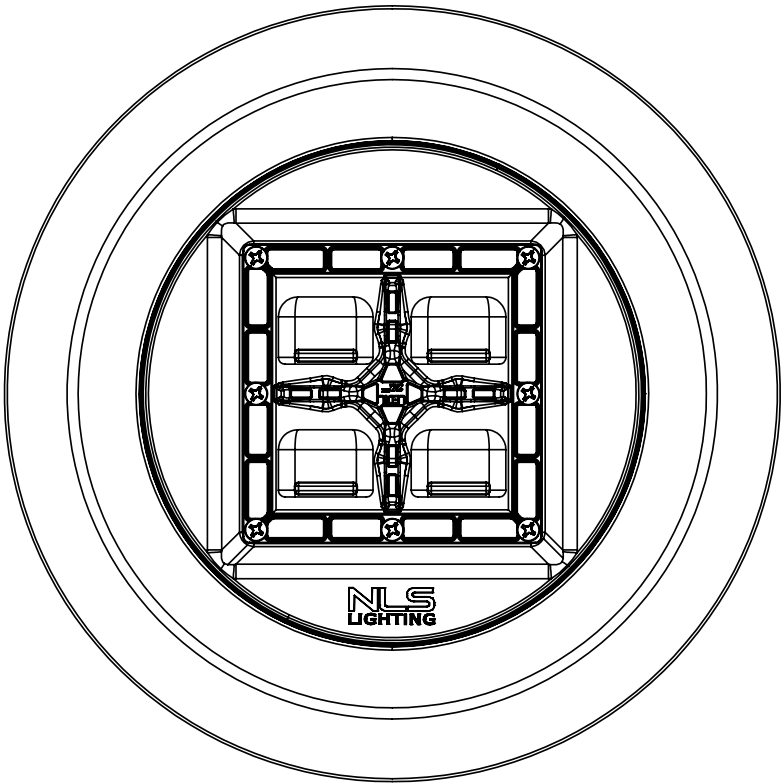
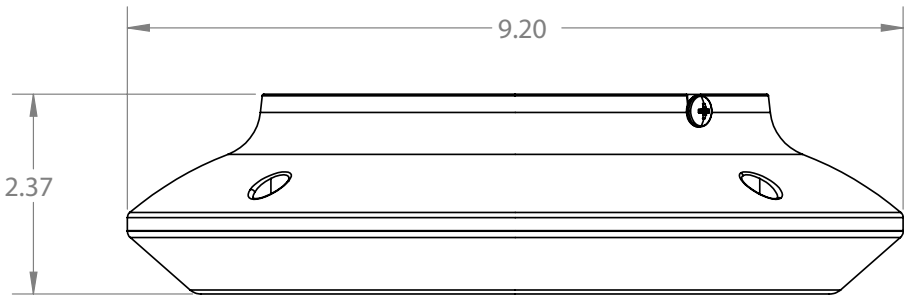


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PRODUCT SPECIFICATIONS

MODEL	WIDTH	HEIGHT	WEIGHT
ORX-1-CM	9.20"	2.37"	4 LBS



SCAN FOR INSTALLATION INSTRUCTIONS

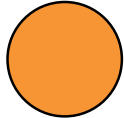


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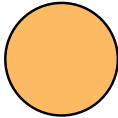
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PRODUCT SPECIFICATIONS

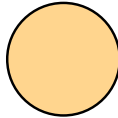
LED KELVIN RANGE



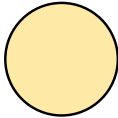
AMBER
585-600 nm



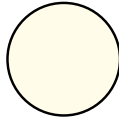
2700K 70 CRI



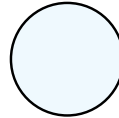
3000K 70 CRI



3500K 80 CRI



4000K 70 CRI



5000K 70 CRI

Color	Dominant or Peak Wavelength Range (nm)	
	Minimum	Maximum
Amber	585	600

Lumen Maintenance Data							
Ambient Temperature	Drive Current	L90 Hours*	L70 Hours**	30,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours**
25°C	Up to 700mA	58,000	173,000	95.7%	91.6%	89.6%	82.1%
	850mA	48,000	143,000	94.3%	89.5%	87.2%	78.5%
*Reported extrapolations per IESNA TM-21				**Projected extrapolations per IESNA TM-21			

LUMEN CHARTS

LUMEN CHART AMBER WITH T3					
PART NUMBER	T3	LPW	WATTAGE	BUG	MULTIPLIER FOR 50K7 GOING TO AMBER
ORX-1-CM-16L-42-AMBER	1049	58	18	B0-U0-G0	0.4211
ORX-1-CM-16L-53-AMBER	1256	55	23	B0-U0-G0	0.4043

LUMEN CHART AMBER WITH T2					
PART NUMBER	T2	LPW	WATTAGE	BUG	MULTIPLIER FOR 50K7 GOING TO AMBER
ORX-1-CM-16L-42-AMBER	1046	58	18	B0-U0-G0	0.4211
ORX-1-CM-16L-53-AMBER	1253	54	23	B0-U0-G0	0.4043

LUMEN CHART AMBER WITH T4FTW					
PART NUMBER	T4FTW	LPW	WATTAGE	BUG	MULTIPLIER FOR 50K7 GOING TO AMBER
ORX-1-CM-16L-42-AMBER	929	52	18	B0-U0-G1	0.4211
ORX-1-CM-16L-53-AMBER	1087	47	23	B0-U0-G1	0.4043

LUMEN CHART AMBER WITH T5W					
PART NUMBER	T5W	LPW	WATTAGE	BUG	MULTIPLIER FOR 50K7 GOING TO AMBER
ORX-1-CM-16L-42-AMBER	1269	71	18	B1-U0-G1	0.4211
ORX-1-CM-16L-53-AMBER	1641	71	23	B1-U0-G1	0.4043

PRODUCT SPECIFICATIONS

LUMEN CHARTS

LUMEN CHART - STANDARD SILICONE MICRO OPTICS									
PART NUMBER	T2	LPW	T3	LPW	T4	LPW	T5	LPW	WATTAGE
ORX-1-CM-16L-42-27K7	2126	97	2133	97	2088	95	2232	101	22
ORX-1-CM-16L-42-27K8	1991	90	1997	91	1955	89	2090	95	22
ORX-1-CM-16L-42-30K7	2135	97	2306	105	2258	103	2413	110	22
ORX-1-CM-16L-42-30K8	1983	90	2142	97	2097	95	2241	102	22
ORX-1-CM-16L-42-35K8	1983	90	2142	97	2097	95	2241	102	22
ORX-1-CM-16L-42-40K7	2484	113	2492	113	2440	111	2607	119	22
ORX-1-CM-16L-42-40K8	2299	105	2307	105	2259	103	2413	110	22
ORX-1-CM-16L-42-50K7	2484	113	2492	113	2440	111	2607	119	22
ORX-1-CM-16L-42-50K8	2299	105	2307	105	2259	103	2413	110	22
ORX-1-CM-16L-53-27K7	2652	95	2660	95	2604	93	2783	99	28
ORX-1-CM-16L-53-27K8	2483	89	2491	89	2439	87	2606	93	28
ORX-1-CM-16L-53-30K7	2867	102	2876	103	2816	101	3009	107	28
ORX-1-CM-16L-53-30K8	2663	95	2671	95	2615	93	2794	100	28
ORX-1-CM-16L-53-35K8	2663	95	2671	95	2615	93	2794	100	28
ORX-1-CM-16L-53-40K7	3098	111	3107	111	3042	109	3251	116	28
ORX-1-CM-16L-53-40K8	2868	102	2876	103	2816	101	3009	107	28
ORX-1-CM-16L-53-50K7	3098	111	3107	111	3042	109	3251	116	28
ORX-1-CM-16L-53-50K8	2868	102	2876	103	2816	101	3009	107	28
ORX-1-CM-16L-70-27K7	3502	95	3513	95	3439	93	3676	99	37
ORX-1-CM-16L-70-27K8	3279	89	3290	89	3220	87	3442	93	37
ORX-1-CM-16L-70-30K7	3786	102	3798	103	3719	101	3974	107	37
ORX-1-CM-16L-70-30K8	3516	95	3527	95	3454	93	3691	100	37
ORX-1-CM-16L-70-35K8	3516	95	3527	95	3454	93	3691	100	37
ORX-1-CM-16L-70-40K7	4091	111	4104	111	4018	109	4294	116	37
ORX-1-CM-16L-70-40K8	3787	102	3799	103	3719	101	3975	107	37
ORX-1-CM-16L-70-50K7	4091	111	4104	111	4018	109	4294	116	37
ORX-1-CM-16L-70-50K8	3787	102	3799	103	3719	101	3975	107	37
ORX-1-CM-16L-85-27K7	4253	99	4265	99	4176	97	4463	104	43
ORX-1-CM-16L-85-27K8	3983	93	3994	93	3911	91	4179	97	43
ORX-1-CM-16L-85-30K7	4598	107	4612	107	4516	105	4826	112	43
ORX-1-CM-16L-85-30K8	4270	99	4283	100	4194	98	4482	104	43
ORX-1-CM-16L-85-35K8	4270	99	4283	100	4194	98	4482	104	43
ORX-1-CM-16L-85-40K7	4968	116	4983	116	4879	113	5214	121	43
ORX-1-CM-16L-85-40K8	4598	107	4612	107	4516	105	4826	112	43
ORX-1-CM-16L-85-50K7	4968	116	4983	116	4879	113	5214	121	43
ORX-1-CM-16L-85-50K8	4598	107	4612	107	4516	105	4826	112	43

3000K or lower, with fixed mounting options only, must be selected to meet International Dark Sky Association Certification

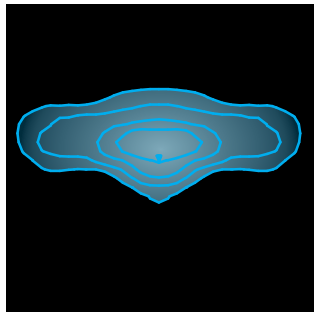
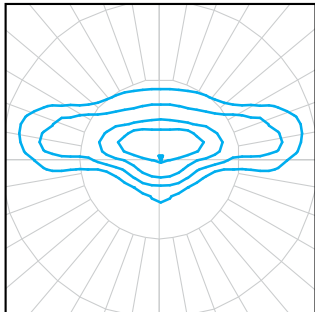
PRODUCT SPECIFICATIONS

BUG RATING CHARTS

BUG RATING CHART - STANDARD SILICONE MICRO OPTICS				
PART NUMBER	T2	T3	T4	T5
ORX-1-CM-16L-40-27K7	B1-U0-B1	B1-U0-B1	B1-U0-B1	B2-U0-B1
ORX-1-CM-16L-40-27K8	B1-U0-B1	B1-U0-B1	B1-U0-B1	B2-U0-B1
ORX-1-CM-16L-40-30K7	B1-U0-B1	B1-U0-B1	B1-U0-B1	B2-U0-B1
ORX-1-CM-16L-40-30K8	B1-U0-B1	B1-U0-B1	B1-U0-B1	B2-U0-B1
ORX-1-CM-16L-40-35K8	B1-U0-B1	B1-U0-B1	B1-U0-B1	B2-U0-B1
ORX-1-CM-16L-40-40K7	B1-U0-B1	B1-U0-B1	B1-U0-B1	B2-U0-B1
ORX-1-CM-16L-40-40K8	B1-U0-B1	B1-U0-B1	B1-U0-B1	B2-U0-B1
ORX-1-CM-16L-40-50K7	B1-U0-B1	B1-U0-B1	B1-U0-B1	B2-U0-B1
ORX-1-CM-16L-40-50K8	B1-U0-B1	B1-U0-B1	B1-U0-B1	B2-U0-B1
ORX-1-CM-16L-53-27K7	B1-U0-B1	B1-U0-B1	B1-U0-B1	B2-U0-B1
ORX-1-CM-16L-53-27K8	B1-U0-B1	B1-U0-B1	B1-U0-B1	B2-U0-B1
ORX-1-CM-16L-53-30K7	B1-U0-B1	B1-U0-B1	B1-U0-B1	B2-U0-B1
ORX-1-CM-16L-53-30K8	B1-U0-B1	B1-U0-B1	B1-U0-B1	B2-U0-B1
ORX-1-CM-16L-53-35K8	B1-U0-B1	B1-U0-B1	B1-U0-B1	B2-U0-B1
ORX-1-CM-16L-53-40K7	B1-U0-B1	B1-U0-B1	B1-U0-B1	B2-U0-B1
ORX-1-CM-16L-53-40K8	B1-U0-B1	B1-U0-B1	B1-U0-B1	B2-U0-B1
ORX-1-CM-16L-53-50K7	B1-U0-B1	B1-U0-B1	B1-U0-B1	B2-U0-B1
ORX-1-CM-16L-53-50K8	B1-U0-B1	B1-U0-B1	B1-U0-B1	B2-U0-B1
ORX-1-CM-16L-70-27K7	B1-U0-B1	B1-U0-B1	B1-U0-B1	B2-U0-B1
ORX-1-CM-16L-70-27K8	B1-U0-B1	B1-U0-B1	B1-U0-B1	B2-U0-B1
ORX-1-CM-16L-70-30K7	B1-U0-B1	B1-U0-B1	B1-U0-B1	B2-U0-B1
ORX-1-CM-16L-70-30K8	B1-U0-B1	B1-U0-B1	B1-U0-B1	B2-U0-B1
ORX-1-CM-16L-70-35K8	B1-U0-B1	B1-U0-B1	B1-U0-B1	B2-U0-B1
ORX-1-CM-16L-70-40K7	B1-U0-B1	B1-U0-B1	B1-U0-B1	B3-U0-B1
ORX-1-CM-16L-70-40K8	B1-U0-B1	B1-U0-B1	B1-U0-B1	B3-U0-B1
ORX-1-CM-16L-70-50K7	B1-U0-B1	B1-U0-B1	B1-U0-B1	B3-U0-B1
ORX-1-CM-16L-70-50K8	B1-U0-B1	B1-U0-B1	B1-U0-B1	B3-U0-B1
ORX-1-CM-16L-85-27K7	B1-U0-B1	B1-U0-B1	B1-U0-B1	B3-U0-B1
ORX-1-CM-16L-85-27K8	B1-U0-B1	B1-U0-B1	B1-U0-B1	B3-U0-B1
ORX-1-CM-16L-85-30K7	B1-U0-B1	B1-U0-B1	B1-U0-B1	B3-U0-B1
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ORX-1-CM-16L-85-35K8	B1-U0-B1	B1-U0-B1	B1-U0-B1	B3-U0-B1
ORX-1-CM-16L-85-40K7	B1-U0-B1	B1-U0-B1	B1-U0-B1	B3-U0-B1
ORX-1-CM-16L-85-40K8	B1-U0-B1	B1-U0-B1	B1-U0-B1	B3-U0-B1
ORX-1-CM-16L-85-50K7	B1-U0-B1	B1-U0-B1	B1-U0-B1	B3-U0-B1
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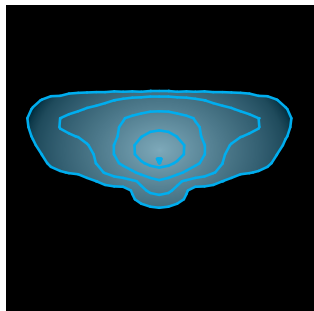
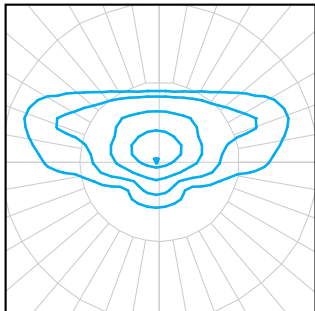
PRODUCT SPECIFICATIONS

IES DISTRIBUTIONS



T2 OPTIC

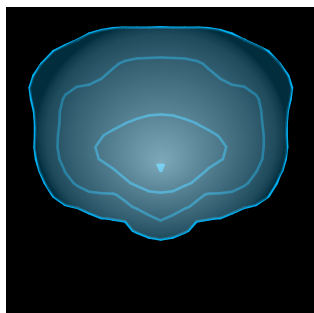
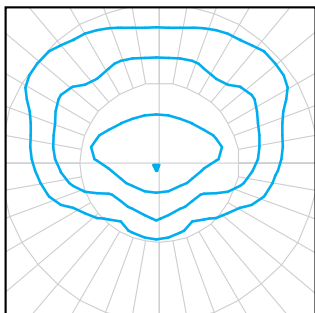
The Type II distribution is used for narrow pathways and trails, narrow entrances of shopping centers, parking lots and office complex's.



T3 OPTIC

The type III distribution is meant for roadway lighting, general parking areas and other areas where a larger area of lighting is required. Type III lighting needs to be placed to the side of the area, allowing the light to project outward and fill the area. This produces a filling light flow.

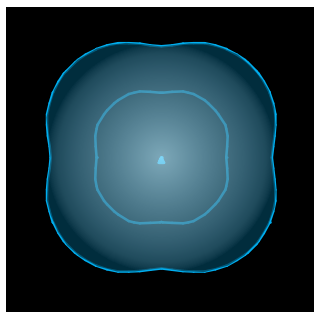
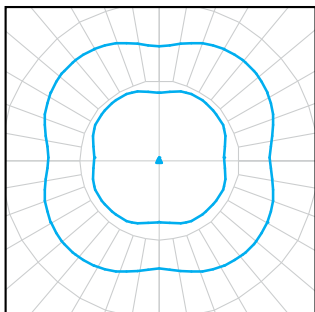
Type III light distributions have a preferred lateral width of 40 degrees. This distribution is intended for luminaires mounted at or near the side of medium width roadways or areas, where the width of the roadway or area does not exceed 2.75 times the mounting height.



T4 OPTIC

The type IV distribution produces a semicircular light meant for mounting on the sides of buildings and walls. It's best for illuminating the perimeter of parking areas and businesses. The intensity of the Type IV lighting has the same intensity at angles from 90 degrees to 270 degrees.

Type IV light distributions have a preferred lateral width of 60 degrees. This distribution is intended for side-of-road mounting and is generally used on wide roadways where the roadway width does not exceed 3.7 times the mounting height.



T5 OPTIC - SYMMETRICAL

Type V produces a symmetrical distribution that has the same intensity at all angles. This distribution has a uniform symmetry of candlepower that is essentially the same at all lateral angles. It is meant for large, commercial parking lot lighting as well as areas where sufficient, evenly distributed light is necessary.

SILICONE OPTICS

NLS Lighting Silicone Micro Optical System technology takes quality and performance to the highest level. Vandal resistant, superior clarity—Micro Optics have become the best and lasting solution in the industry.

BENEFITS

- Produces superior 96% clarity
- Heat resistant to 150° C, 50% higher than acrylic
- Ecologically friendly—no glare
- Vandal-resistant
- Does not brittle, crack, or yellow over time

