

DATE: _____ LOCATION: _____
 TYPE: _____ PROJECT: _____
 CATALOG #: _____

FEATURES

- Uniform end-to-end lens brightness with optional continuous row mounting that gives an uninterrupted ribbon of light
- Superior color consistency within a 3-step MacAdam ellipse and greater than 80 CRI
- Available in 2', 4' or 8' lengths
- Optional 90 or 120 min integral emergency battery pack (CEC Title 20 Compliant)
- Curved, Flat, and Wedge acrylic lens and curved polycarbonate lens options or a no lens (NL) versions. Wide and Narrow distributions available.
- Modular replaceable LED boards and driver accessible for future maintenance or upgrades
- Surface mount, wall mount or suspended mounting



SERVICE PROGRAMS



CONTROLS TECHNOLOGY



SPECIFICATIONS

CONSTRUCTION

- Housing, wireway, and ends are formed from code-gauge steel
- Housing components act as heat sink for LED heat dissipation
- White painted parts are treated with a five stage phosphate bonding process and finished with high reflectance baked enamel

OPTICS

- Available with or without frosted lens

INSTALLATION

- Knockouts are provided for electrical access and mounting
- **WARNING – Removing the lens during installation exposes the LEDs and due to their fragility they could be damaged. Handle the LED reflector plate with care, do not rest the LED reflector plate upside down directly on its LEDs as this could result in damage. Damage to LEDs from mishandling during installation will not be covered under warranty.**

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
- Superior drivers and long-life LEDs provide quality illumination for prolonged service life
- Drivers < 10% THD at 120V, power factor > 0.95
- Lumen packages up to 10,000 lumens rated to 40°C (104°F) max ambient. Lumen packages up to 5,000 lumens rated to 50°C (122°F) max ambient. Minimum ambient temperature -20°C (-4°F)

CONTROLS

- NX Lighting Controls provides options for standalone and networked integrated sensor with wired or wireless connectivity for NX system deployments
- NX Connect is a standalone wireless deployment for room based applications using wireless enabled and battery operated devices
- SpectraSync (TM) Color Tuning Technology offers a tunable white solution and integrates seamlessly into a variety of control systems

CERTIFICATIONS

- All luminaires are built to UL 1598 standards, and bear appropriate cCSAus labels
- Emergency battery pack options are California Energy Commission (CEC) Title 20 compliant
- CSA certified to UL 924 standards with battery pack or DTS (Dimming Bypass Module) options
- DLC® (DesignLights Consortium) Qualified, Please refer to the DLC website for specific product qualifications at www.designlights.org
- Adheres to LM79, LM80, and TM21 industry standards
- The DTS, Dimming Bypass Module, is for emergency circuit control loads including sensors and wireless systems CSA certified to UL 924. See wiring diagram
- Product configurations not including battery packs or controls meet federal procurement law requirements under the Trade Agreements Act (FAR 52.225–11) [See Buy America\(n\) Solutions](#)

WARRANTY

- 5 year warranty

End View Curve Lens	C	Typical Dimensions and Weights							
		B	(B) Width: Inches (mm)			(C) Height: Inches (mm)			Weight lbs (kg)
			Curve Lens	Flat Lens	Wedge Lens	Curve Lens	Flat Lens	Wedge Lens	
End View Flat Lens	C	2'						4.0 (1.8)	
End View Wedge Lens	C	4'	3.11 (79)	3.00 (76)	4.04 (103)	3.06 (78)	2.44 (62)	2.89 (73)	6.0 (2.7)
		8'							12.0 (5.4)

STOCK GUIDE

Catalog No.	UPC	Description	Weight (lbs)	Pallet Qty	DLC QPL
<input type="checkbox"/> MPS4-35ML-CW-EDU	078531138714	4', 80 CRI, 3500K, 4556 Lumens, Curved Frosted Acrylic Wide Distribution Lens, 0–10V Dimming Driver, 120–277V, 40W, 114 LPW, White	6.1	56	PKQ78077
<input type="checkbox"/> MPS4-35ML-FW-EDU	603134946413	4', 80 CRI, 3500K, 4230 Lumens, Flat Frosted Acrylic Wide Distribution Lens, 0–10V Dimming Driver, 120–277V, 31W, 134 LPW, White	6.1	56	P9P5CV62
<input type="checkbox"/> MPS4-40ML-CW-EDU	078531138721	4', 80 CRI, 4000K, 4614 Lumens, Curved Frosted Acrylic Wide Distribution Lens, 0–10V Dimming Driver, 120–277V, 40W, 115 LPW, White	6.1	56	P04CB2S2
<input type="checkbox"/> MPS4-40ML-FW-EDU	603134946420	4', 80 CRI, 3500K, 4277 Lumens, Flat Frosted Acrylic Wide Distribution Lens, 0–10V Dimming Driver, 120–277V, 31W, 135 LPW, White	6.1	56	PLLGKQUG
<input type="checkbox"/> MPS8-50ML-CW-EDU	078531138752	8', 80 CRI, 5000K, 9532 Lumens, Curved Frosted Acrylic Wide Distribution Lens, 0–10V Dimming Driver, 120–277V, 80W, 119 LPW, White	13.6	56	PSCRMP7L
<input type="checkbox"/> CSHC	078531000868	Chain Hanging Assembly - (2) 14" Chains and V-Hooks	0.2	N/A	N/A

ORDERING GUIDE

Example: MPS4-40ML-CW-EDU

MPS			Color Temp			Nominal Lumens			Lens		Distribution		Driver ⁴	
Model	Size ¹	CRI												
MPS	2' 2'	Blank >80	30	3000K	XW	4' (2600), 8' (5200)	C	Curve, Frosted Acrylic	N	Narrow Distribution ³	ED	0-10V Dimming		
MultiPurpose Linear	4' 4'	9 90	35	3500K	VW	2'(1600), 4'(3300), 8' (6600)	F	Flat, Frosted Acrylic	W	Wide Distribution	ED1	0-10V 1% Dimming		
	8' 8'		40	4000K	MW	2'(2200), 4'(3600), 8' (7200)	NL	No Lens			EDD	0-10V Dim-to-Off		
			50	5000K	LW	2'(2400), 4'(4000), 8' (7900)	CP	Curve, Frosted Polycarbonate			ESD	Step Dimming ^{5,10}		
			2765T	2700K-6500K SpectraSync™ Tunable White ²	ML	2'(3400), 4'(4500), 8' (8900)	W	Wedge, Frosted Acrylic			LUTH	Hi-Lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology ^{5,6}		
					HL	2'(3700), 4'(5800), 8' (11,500)					DALIP	Powered by DALI ⁵		
					VL	2'(4400), 4' (6800), 8' (13,500)								
					XL	2'(5400), 4' (7,800), 8' (15,500)								
					UL	2'(6200), 4'(10,000), 8'(20,000)								

Voltage	Options	Control Options ^{13, 23, 24, 25}
U 120V-277V	ELL14 10W Emergency Battery Pack (CEC Title 20 Compliant) Installed ^{5, 7, 8, 9}	NX Lighting Controls
347 347V (ED, ED1 only)	ELL14H2 9W Emergency Battery Pack (CEC Title 20 Compliant) Installed, 2-Hour Run Time ^{5, 7, 8, 9, 11}	Networked Wireless
	ELL14ST Emergency Battery Back, 1400 Lumens, Self Test ^{5, 7, 8}	NXW NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor ^{26, 27}
	DTS Dimming Bypass Module ^{5, 12}	NXWSM NX Networked Wireless Enabled Integral NXSM2-SMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{26, 27}
	MPSCE Injection Molded ABS Material Curve Endcap ¹³	Networked Wired
	MPSCE-MB Injection Molded ABS Material Curve Endcap, Matte Black ¹⁴	NXE NX Wired Dual RJ45 SmartPORTS, without Sensor ^{26, 27}
	MPSFE Injection Molded ABS Material Flat Endcap ¹³	NXESM NX Wired Dual RJ45 SmartPORTS & Integral NXSM2-SMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{26, 27}
	MPSFE-MB Injection Molded ABS Material Flat Endcap, Matte Black ¹⁴	Independent Control
	MPSWE Injection molded ABS Material Wedge Endcap ¹³	NXCS NX Connect NXC-WIZ20 Wireless Indoor Occupancy & Photocell Sensor ^{5, 28, 29, 30}
	MPSWE-MB Injection molded ABS Material Wedge Endcap, Matte Black ¹⁴	BTSL Bluetooth Programmable, BTSMP-LMI PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens ^{26, 27}
	MB Matte Black	Other Lighting Controls
	SLV Silver	Networked Wireless
	PAF Painted After Fabrication	LVR Lutron Vive Integral Fixture Control DFCSJ-OEM-RF (RF only) ^{5, 28, 29, 31}
	MST MASTER fixture that controls one or more SATELLITE fixtures in a continuous row application ^{15, 16, 17, 18, 19, 20, 21}	LVS Lutron Vive Integral Fixture Control DFCSJ-OEM-OCC (RF with daylight and occupancy sensing) ^{5, 28, 29, 31}
	SAT SATELLITE fixture controlled by MASTER fixture in a continuous row application ^{16, 17, 18, 19, 20, 21}	AWN R Lutron Athena Integral Fixture Control A-WN-DO1-RF-WH (RF only) ^{5, 26, 29}
	INT Intermediate (provides ends with wiring access for continuous row mounting) ^{20, 21, 22}	AWNS Lutron Athena Integral Fixture Control A-WN-DO1-OCC-WH with Daylight and Occupancy Sensing ^{5, 26, 29}
	EOR End of Row (provides end wiring access for continuous row mounting) ^{20, 21, 22}	Independent Control
	GLR Fast Blow Fuse ⁵	ODPG Occupancy and Daylight Sensors w/ Grouping, Philips SNS200 ^{5, 28, 29}
	BP Bulk Pack	ZLS05 Occupancy & Daylight Sensor, Leviton ZLS05 ^{5, 26, 29}

Notes:

- 1 Refer to Row Mount Ordering Instructions for Continuous Row applications
- 2 Refer to SpectraSync and NX Availability table. Only available with ED driver and 80 CRI.
- 3 Only available with Curve, Frosted Acrylic lens option
- 4 Dimming curves may vary dependent upon lumen output and driver option chosen. Separate dimming circuits are recommended if multiple driver options are chosen
- 5 Not available in 347V
- 6 Not available with 2ft: VW, MW, LW lumen packages, 4ft: XW, VL lumen packages or 8ft: MW, VL lumen packages
- 7 To determine lumen output in emergency mode, multiply the battery pack wattage by the fixture lumens per watt (LPW)
- 8 Not available with 2ft fixture.
- 9 Not available with thru wire and XL or UL lumen package on 4ft and 8ft fixtures
- 10 Max ambient temperature, 25°C
- 11 Not available for use in Canada
- 12 For emergency circuit control loads including sensors and wireless systems CSA certified to UL 924. See wiring diagram. Cannot be combined with SpectraSync or Controls options in 2ft fixture
- 13 PAF option included when this option is chosen
- 14 Only available with MB or SLV finish options

Continuous Row Options

- 15 Not available with INT option
- 16 One MST fixture can control multiple SAT fixtures but a SAT fixture can only be controlled by one MST fixture
- 17 Only available with NX Networked, NX Wired and NX Wireless Controls, consult factory for applications
- 18 Not available with LUTH
- 19 Not available with DTS
- 20 All fixtures in a continuous row application must use the same driver type and voltage
- 21 Quick connect wiring harness included
- 22 Suspension support required at every fixture coupling, see Mounting Accessories Guide

All Controls

- 23 Control Options include injection molded ABS end cap
- 24 Dry location rated only
- 25 Minimum ambient temperature: 0°C (32°F)

NX Lighting Controls

- 26 Only available with ED, ED1 or EDD driver options
- 27 Not available in 2ft when combined with SpectraSync

Other Lighting Controls Options

- 28 Only available with DALIP driver option
- 29 Not available with SpectraSync
- 30 Not available with 2ft: VW, MW and LW lumen packages or 4ft: XW lumen package
- 31 Vive is a trademark of Lutron Electronics Co., Inc.

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ORDERING GUIDE (CONTINUED)

Accessories	
<input type="checkbox"/> S18	18" Stem, Canopy
<input type="checkbox"/> SS18	18" Swivel Stem—45° Swivel
<input type="checkbox"/> CM24SCF3-KIT	24" Adjustable Cable Mounting Kit, 3-wire feed
<input type="checkbox"/> CM48SCF3-KIT	48" Adjustable Cable Mounting Kit, 3-wire feed
<input type="checkbox"/> CM24NF-KIT	Single Point Non-Feed Cable Mount with Canopy, Single-24"
<input type="checkbox"/> CM48NF-KIT	Single Point Non-Feed Cable Mount with Canopy, Single-48"
<input type="checkbox"/> CSHC	Chain Hanger Assembly
<input type="checkbox"/> MPSZT	Zip Tee Hanger - 1 ½" Spacer on T-Bar Ceiling
<input type="checkbox"/> MPSTH	Slide Tong Hanger
<input type="checkbox"/> MPSCRK-C	Continuous Row Kit, Curve
<input type="checkbox"/> MPSCRK-F	Continuous Row Kit, Flat
<input type="checkbox"/> MPSCRK-W	Continuous Row, Wedge
<input type="checkbox"/> MPSWG2	2' Wire Guard
<input type="checkbox"/> MPSWG4	4' Wire Guard ¹
<input type="checkbox"/> MPSCE	Injection Molded ABS Material Curve Endcap
<input type="checkbox"/> MPSCE-MB	Injection Molded ABS Material Curve Endcap, Matte Black
<input type="checkbox"/> MPSFE	Injection Molded ABS Material Flat Endcap
<input type="checkbox"/> MPSFE-MB	Injection Molded ABS Material Flat Endcap, Matte Black
<input type="checkbox"/> MPSWE	Injection molded ABS Material Wedge Endcap
<input type="checkbox"/> MPSWE-MB	Injection molded ABS Material Wedge Endcap, Matte Black
<input type="checkbox"/> KIT REFL-MPS4 STL SLD W16	4' Symmetric Reflector Solid ¹
<input type="checkbox"/> REFL-MPS4 STL SLTD W16	4' Symmetric Reflector Slotted ¹
<input type="checkbox"/> REFL-MPS4 STL SLD ASYM W16	4' Asymmetric Reflector Solid ¹
<input type="checkbox"/> CBL-HB-120-6Y-PAD	10ft Adjustable 10' aircraft cable Y hanger paddle ends (1 pair, must be used in conjunction with MPSTH accessory)

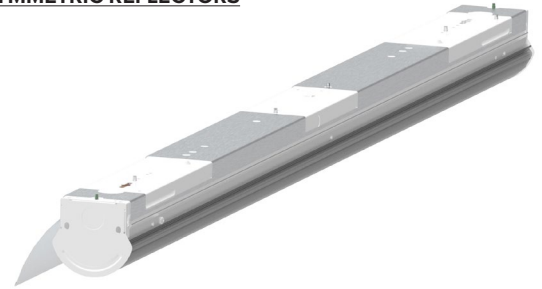
Notes:
 1 Two Required for 8' fixture

SYMMETRIC REFLECTORS



KIT REFL-MPS4 STL SLD W16
 4' Symmetric Reflector Solid

ASYMMETRIC REFLECTORS



REFL-MPS4 STL SLD ASYM W16
 4' Asymmetric Reflector Solid

CONTINUOUS ROW MOUNT EXAMPLE GUIDE					
Continuous Row Length	MPS4	MPS8	MPSCRK-*	CM**SCF*-KIT	CM**NF-KIT
12' — Option 1	1	1	1	1	1
12' — Option 2	3	0	2	1	1
16' — Option 1	0	2	1	1	1
16' — Option 2	2	1	2	1	2
32' — Option 1	0	4	3	2	1
32' — Option 2	2	3	4	2	1

DELIVERED LUMENS

STANDARD EFFICACY PERFORMANCE TABLE — 2'						
FIXTURE	COLOR	LENS	DISTRIBUTION	LUMENS	WATTS	LPW
MPS2-VW	3500K	CURVE	WIDE	1560	10.4	150
			NARROW	1544	10.4	149
		FLAT	WIDE	1513	10.4	146
		WEDGE	WIDE	1555	10.4	150
		NO LENS		1669	10.4	161
	4000K	CURVE	WIDE	1587	10.4	153
			NARROW	1571	10.4	151
		FLAT	WIDE	1539	10.4	148
		WEDGE	WIDE	1582	10.4	152
		NO LENS		1698	10.4	163
MPS2-MW	3500K	CURVE	WIDE	2069	13.6	153
			NARROW	2048	13.6	151
		FLAT	WIDE	2007	13.6	148
		WEDGE	WIDE	2063	13.6	152
		NO LENS		2214	13.6	163
	4000K	CURVE	WIDE	2104	13.6	155
			NARROW	2083	13.6	153
		FLAT	WIDE	2041	13.6	150
		WEDGE	WIDE	2098	13.6	154
		NO LENS		2251	13.6	166
MPS2-LW	3500K	CURVE	WIDE	2639	17.2	153
			NARROW	2613	17.2	152
		FLAT	WIDE	2560	17.2	149
		WEDGE	WIDE	2631	17.2	153
		NO LENS		2824	17.2	164
	4000K	CURVE	WIDE	2683	17.2	156
			NARROW	2656	17.2	154
		FLAT	WIDE	2603	17.2	151
		WEDGE	WIDE	2675	17.2	156
		NO LENS		2871	17.2	167
MPS2-ML	3500K	CURVE	WIDE	3262	21.5	152
			NARROW	3229	21.5	150
		FLAT	WIDE	3164	21.5	147
		WEDGE	WIDE	3252	21.5	151
		NO LENS		3490	21.5	162
	4000K	CURVE	WIDE	3317	21.5	155
			NARROW	3284	21.5	153
		FLAT	WIDE	3217	21.5	150
		WEDGE	WIDE	3307	21.5	154
		NO LENS		3549	21.5	165
MPS2-HL	3500K	CURVE	WIDE	3617	24.1	150
			NARROW	3581	24.1	149
		FLAT	WIDE	3508	24.1	146
		WEDGE	WIDE	3606	24.1	150
		NO LENS		3870	24.1	161
	4000K	CURVE	WIDE	3678	24.1	153
			NARROW	3641	24.1	151
		FLAT	WIDE	3568	24.1	148
		WEDGE	WIDE	3667	24.1	152
		NO LENS		3935	24.1	163
MPS2-VL	3500K	CURVE	WIDE	4433	28.1	158
			NARROW	4389	28.1	156
		FLAT	WIDE	4300	28.1	153
		WEDGE	WIDE	4420	28.1	157
		NO LENS		4743	28.1	169
	4000K	CURVE	WIDE	4508	28.1	160
			NARROW	4463	28.1	159
		FLAT	WIDE	4373	28.1	156
		WEDGE	WIDE	4494	28.1	160
		NO LENS		4824	28.1	172

STANDARD EFFICACY PERFORMANCE TABLE — 2'						
FIXTURE	COLOR	LENS	DISTRIBUTION	LUMENS	WATTS	LPW
MPS2-XL	3500K	CURVE	WIDE	5409	34.9	155
			NARROW	5355	34.9	153
		FLAT	WIDE	5247	34.9	150
		WEDGE	WIDE	5393	34.9	155
		NO LENS		5788	34.9	166
	4000K	CURVE	WIDE	5500	34.9	158
			NARROW	5445	34.9	156
		FLAT	WIDE	5335	34.9	153
		WEDGE	WIDE	5484	34.9	157
		NO LENS		5885	34.9	169
MPS2-UL	3500K	CURVE	WIDE	6202	40.6	153
			NARROW	6140	40.6	151
		FLAT	WIDE	6016	40.6	148
		WEDGE	WIDE	6183	40.6	152
		NO LENS		6636	40.6	163
	4000K	CURVE	WIDE	6307	40.6	153
			NARROW	6244	40.6	154
		FLAT	WIDE	6118	40.6	151
		WEDGE	WIDE	6288	40.6	155
		NO LENS		6748	40.6	166

DELIVERED LUMENS (CONTINUED)

STANDARD EFFICACY PERFORMANCE TABLE — 4'						
FIXTURE	COLOR	LENS	DISTRIBUTION	LUMENS	WATTS	LPW
MPS4-XW	3500K	CURVE	WIDE	2560	16.2	158
			NARROW	2534	16.2	156
		FLAT	WIDE	2483	16.2	153
			NO LENS	2552	16.2	158
	4000K	CURVE	WIDE	2603	16.2	161
			NARROW	2577	16.2	159
		FLAT	WIDE	2525	16.2	156
			NO LENS	2595	16.2	160
		WEDGE	WIDE	2785	16.2	172
			NO LENS	2785	16.2	172
MPS4-VW	3500K	CURVE	WIDE	3271	20.5	160
			NARROW	3238	20.5	158
		FLAT	WIDE	3173	20.5	155
			NO LENS	3261	20.5	159
	4000K	CURVE	WIDE	3326	20.5	162
			NARROW	3293	20.5	161
		FLAT	WIDE	3226	20.5	157
			NO LENS	3316	20.5	162
		WEDGE	WIDE	3559	20.5	174
			NO LENS	3559	20.5	174
MPS4-MW	3500K	CURVE	WIDE	3659	23.0	159
			NARROW	3622	23.0	157
		FLAT	WIDE	3549	23.0	154
			NO LENS	3648	23.0	159
	4000K	CURVE	WIDE	3721	23.0	162
			NARROW	3684	23.0	160
		FLAT	WIDE	3609	23.0	157
			NO LENS	3710	23.0	161
		WEDGE	WIDE	3981	23.0	173
			NO LENS	3981	23.0	173
MPS4-LW	3500K	CURVE	WIDE	4270	26.9	159
			NARROW	4227	26.9	157
		FLAT	WIDE	4142	26.9	154
			NO LENS	4257	26.9	158
	4000K	CURVE	WIDE	4342	26.9	161
			NARROW	4299	26.9	160
		FLAT	WIDE	4212	26.9	157
			NO LENS	4329	26.9	161
		WEDGE	WIDE	4646	26.9	173
			NO LENS	4646	26.9	173
MPS4-ML	3500K	CURVE	WIDE	4941	31.2	158
			NARROW	4892	31.2	157
		FLAT	WIDE	4793	31.2	154
			NO LENS	4926	31.2	158
	4000K	CURVE	WIDE	5025	31.2	161
			NARROW	4975	31.2	159
		FLAT	WIDE	4874	31.2	156
			NO LENS	5010	31.2	161
		WEDGE	WIDE	5377	31.2	172
			NO LENS	5377	31.2	172

STANDARD EFFICACY PERFORMANCE TABLE — 4'						
FIXTURE	COLOR	LENS	DISTRIBUTION	LUMENS	WATTS	LPW
MPS4-HL	3500K	CURVE	WIDE	5918	37.6	157
			NARROW	5859	37.6	156
		FLAT	WIDE	5740	37.6	153
			NO LENS	5900	37.6	157
	4000K	CURVE	WIDE	6018	37.6	160
			NARROW	5958	37.6	158
		FLAT	WIDE	5837	37.6	155
			NO LENS	6000	37.6	160
		WEDGE	WIDE	6439	37.6	171
			NO LENS	6439	37.6	171
MPS4-VL	3500K	CURVE	WIDE	7128	46.5	153
			NARROW	7057	46.5	152
		FLAT	WIDE	6914	46.5	149
			NO LENS	7107	46.5	153
	4000K	CURVE	WIDE	7249	46.5	156
			NARROW	7177	46.5	154
		FLAT	WIDE	7032	46.5	151
			NO LENS	7227	46.5	155
		WEDGE	WIDE	7756	46.5	167
			NO LENS	7756	46.5	167
MPS4-XL	3500K	CURVE	WIDE	8715	55.1	158
			NARROW	8628	55.1	157
		FLAT	WIDE	8454	55.1	153
			NO LENS	8689	55.1	158
	4000K	CURVE	WIDE	8863	55.1	161
			NARROW	8774	55.1	159
		FLAT	WIDE	8597	55.1	156
			NO LENS	8836	55.1	160
		WEDGE	WIDE	9483	55.1	172
			NO LENS	9483	55.1	172
MPS4-UL	3500K	CURVE	WIDE	10168	65.6	155
			NARROW	10066	65.6	153
		FLAT	WIDE	9863	65.6	150
			NO LENS	10137	65.6	155
	4000K	CURVE	WIDE	10340	65.6	158
			NARROW	10237	65.6	156
		FLAT	WIDE	10030	65.6	153
			NO LENS	10309	65.6	157
		WEDGE	WIDE	11064	65.6	169
			NO LENS	11064	65.6	169

DELIVERED LUMENS (CONTINUED)

STANDARD EFFICACY PERFORMANCE TABLE — 4'						
FIXTURE	COLOR	LENS	DISTRIBUTION	LUMENS	WATTS	LPW
MPS8-XW	3500K	CURVE	WIDE	5120	31.2	164
			NARROW	5069	31.2	162
		FLAT	WIDE	4966	31.2	159
		WEDGE	WIDE	5105	31.2	164
		NO LENS		5478	31.2	176
	4000K	CURVE	WIDE	5207	31.2	167
			NARROW	5155	31.2	165
		FLAT	WIDE	5051	31.2	162
		WEDGE	WIDE	5191	31.2	166
		NO LENS		5571	31.2	179
MPS8-VW	3500K	CURVE	WIDE	6542	39.7	165
			NARROW	6477	39.7	163
		FLAT	WIDE	6346	39.7	160
		WEDGE	WIDE	6522	39.7	164
		NO LENS		7000	39.7	176
	4000K	CURVE	WIDE	6653	39.7	168
			NARROW	6586	39.7	166
		FLAT	WIDE	6453	39.7	163
		WEDGE	WIDE	6633	39.7	167
		NO LENS		7119	39.7	179
MPS8-MW	3500K	CURVE	WIDE	7318	44.7	164
			NARROW	7245	44.7	162
		FLAT	WIDE	7098	44.7	159
		WEDGE	WIDE	7296	44.7	163
		NO LENS		7830	44.7	175
	4000K	CURVE	WIDE	7442	44.7	166
			NARROW	7368	44.7	165
		FLAT	WIDE	7219	44.7	161
		WEDGE	WIDE	7420	44.7	166
		NO LENS		7963	44.7	178
MPS8-LW	3500K	CURVE	WIDE	8539	52.8	162
			NARROW	8454	52.8	160
		FLAT	WIDE	8283	52.8	157
		WEDGE	WIDE	8513	52.8	161
		NO LENS		9137	52.8	173
	4000K	CURVE	WIDE	8684	52.8	164
			NARROW	8597	52.8	163
		FLAT	WIDE	8423	52.8	160
		WEDGE	WIDE	8658	52.8	164
		NO LENS		9292	52.8	176
MPS8-ML	3500K	CURVE	WIDE	9882	61.5	161
			NARROW	9783	61.5	159
		FLAT	WIDE	9586	61.5	156
		WEDGE	WIDE	9852	61.5	160
		NO LENS		10574	61.5	172
	4000K	CURVE	WIDE	10049	61.5	163
			NARROW	9949	61.5	162
		FLAT	WIDE	9748	61.5	158
		WEDGE	WIDE	10019	61.5	163
		NO LENS		10752	61.5	175

STANDARD EFFICACY PERFORMANCE TABLE — 4'						
FIXTURE	COLOR	LENS	DISTRIBUTION	LUMENS	WATTS	LPW
MPS8-HL	3500K	CURVE	WIDE	11835	75.0	158
			NARROW	11717	75.0	156
		FLAT	WIDE	11480	75.0	153
		WEDGE	WIDE	11799	75.0	157
		NO LENS		12663	75.0	169
	4000K	CURVE	WIDE	12036	75.0	160
			NARROW	11916	75.0	159
		FLAT	WIDE	11675	75.0	156
		WEDGE	WIDE	12000	75.0	160
		NO LENS		12879	75.0	172
MPS8-VL	3500K	CURVE	WIDE	14257	93.1	153
			NARROW	14114	93.1	152
		FLAT	WIDE	13829	93.1	149
		WEDGE	WIDE	14214	93.1	153
		NO LENS		15255	93.1	164
	4000K	CURVE	WIDE	14498	93.1	156
			NARROW	14353	93.1	154
		FLAT	WIDE	14063	93.1	151
		WEDGE	WIDE	14455	93.1	155
		NO LENS		15513	93.1	167
MPS8-XL	3500K	CURVE	WIDE	17431	110.8	157
			NARROW	17257	110.8	156
		FLAT	WIDE	16908	110.8	153
		WEDGE	WIDE	17379	110.8	157
		NO LENS		18651	110.8	168
	4000K	CURVE	WIDE	17726	110.8	160
			NARROW	17549	110.8	158
		FLAT	WIDE	17194	110.8	155
		WEDGE	WIDE	17673	110.8	160
		NO LENS		18967	110.8	171
MPS8-UL	3500K	CURVE	WIDE	20336	131.3	155
			NARROW	20133	131.3	153
		FLAT	WIDE	19726	131.3	150
		WEDGE	WIDE	20275	131.3	154
		NO LENS		21760	131.3	166
	4000K	CURVE	WIDE	20680	131.3	158
			NARROW	20473	131.3	156
		FLAT	WIDE	20060	131.3	153
		WEDGE	WIDE	20618	131.3	157
		NO LENS		22128	131.3	169

AMBIENT TEMPERATURE RATINGS

TEMPERATURE TABLE (C°) — 2', 4' & 8'						
80 CRI, Ceiling/Surface Mount						
Size	Lumen Package		Without Battery		With ELL14	With ELL14ST
			ED/ED1/EDD	ED347	ED/ED1/EDD	ED/ED1/EDD
2'	VW	1600	35	35	--	--
	MW	2200	35	35	--	--
	LW	2400	35	35	--	--
	ML	3400	35	35	--	--
	HL	3700	35	35	--	--
	VL	4400	35	35	--	--
	XL	5400	35	35	--	--
	UL	6200	35	35	--	--
4'	XW	2600	50	50	35	50
	VW	3300	50	50	35	50
	MW	3600	50	50	35	50
	LW	4000	50	50	35	50
	ML	4500	50	50	35	50
	HL	5800	45	45	35	40
	VL	6800	45	45	35	40
	XL	7800	45	45	35	40
8'	UL	10000	45	45	35	40
	XW	5200	50	50	35	50
	VW	6600	50	50	35	50
	MW	7200	50	50	35	50
	LW	7900	50	50	35	50
	ML	8900	50	50	35	50
	HL	11500	45	45	35	40
	VL	13500	45	45	35	40
XL	15500	45	45	35	40	
UL	20000	45	45	35	40	

Minimum ambient temperature is -30°C without battery and 0°C with battery

PROJECTED LUMEN MAINTENANCE

Calculation Method	Ambient Temp	25,000 hrs	50,000 hrs	60,000 hrs *
TM-21-11	25C/77F	0.93	0.86	0.84
TM-21-22	25C/77F	0.93	0.86	0.84

* Lumen maintenance values calculated per TM-21 using six times the LM-80 test time for the LED and in-situ thermal testing of the luminaire.



NX LIGHTING CONTROLS

Control Option Ordering Logic & Description		Control Option Functionality									Control Option Components	
		Networkable	Grouping	Scheduling	Occupancy/Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming			
NX Wireless	NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor	✓	✓	✓	-	-	✓	✓	✓		NXRM2-H
	NXWSM	NX Networked Wireless Enabled Integral NXSMP2-LMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth® Programming	✓	✓	✓	✓	✓	✓	✓	✓		NXSMP2-SMI
NX Wired	NXE	NX Wired Dual RJ45 SmartPORTS, without Sensor	✓	✓	✓	-	-	✓	✓	✓ ¹		NXDSP
	NXESM	NX Wired Dual RJ45 SmartPORTS and Integral NXSMP2-SMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth® Programming	✓	✓	✓	✓	✓	✓	✓	✓		NXDSP NXSMP2-SMI
NX Independent	NXCS	NX Connect NXC-WIZ20 Wireless Indoor Occupancy and Photocell Sensor	-	✓	-	✓	✓	✓	✓	✓ ²		NXC-WIZ20
	BTSL	Bluetooth® Programmable, BTSMP-LMI PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	-	-	-	✓	✓	✓	✓	✓		BTSMP-LMI

- 1 Requires NXBTC, order separately.
- 2 Requires use of NX Connect App available for download from Apple app store.

DEFAULT SETTINGS

NX Wireless & Wired	Occupancy Sensor	Enabled
	Occupancy Sensor Sensitivity	7 Minutes
	Occupancy Sensor Timeout	15 Minutes
	Occupied Dim Level	100%
	Unoccupied Dim Level	0% (OFF)
	Daylight Sensor	Disabled
	Bluetooth	Enabled
	2.4GHz Wireless Mesh	Off
	Passcode	Enabled
	Factory Passcode: HubbN3T!	Enabled

NX Independent - NX Connect (NXCS)	Settling/Dwell Time	5 sec
	Hold Time	10 min
	Group Hold Time	10 min
	Grace Time	-
	Strategy	Auto ON/OFF
	Occupancy Sensitivity	5 (highest)
	Occupancy Indicator	ON
	Partial Off/Standby	0%
	Background Level	50%
	Task Level	100%
	Daylight Harvesting	-
	Low Ambient Output	250%
	High Ambient Output	OFF

NX Independent - BTSL	Occupancy Sensor	Enabled
	Occupancy Sensor Sensitivity	7
	Occupancy Sensor Timeout	8 Minutes
	Occupied Dim Level	100%
	Unoccupied Dim Level	0% (OFF)
	Daylight Sensor	Disabled

NX LIGHTING CONTROLS (CONTINUED)

PRODUCT IMAGES



**NXWSM
NXESM**



NXCS



BTSL

CONTROLS TECHNICAL SUPPORT

1-800-888-8006 (7:00 am–7:00 pm est)

APP INFORMATION

NX Lighting Controls App



The NX Lighting Controls App is a free to use mobile application for programming both an NX Lighting Controls System or Standalone Bluetooth Sensors. The mobile app allows you to configure devices, discover and setup wireless enabled luminaires and program your NX system settings.



Android



Apple iOS

NX Connect App



The NX Connect mobile App is a free to use mobile application for programming a NX Connect System. The mobile App allows you to discover, configure and share your NX Connect system.

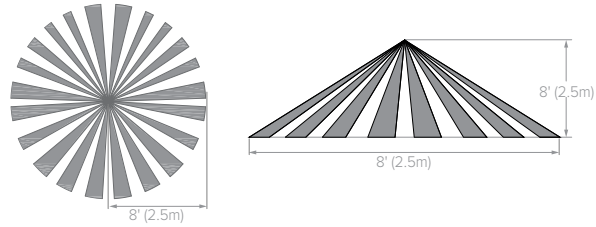


Apple iOS

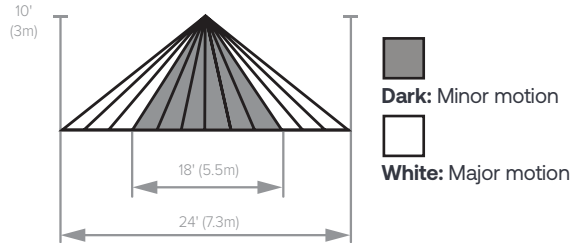
NX LIGHTING CONTROLS (CONTINUED)

COVERAGE PATTERNS

NXWSM/NXESM (NXSMP2-SMI SENSOR)

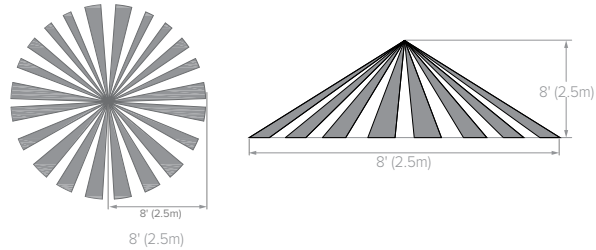


NXCS (NXC-WIZ20 SENSOR)



PIR sensor coverage tested as defined in NEMA WD7-2011

BTSL



OTHER LIGHTING CONTROLS

Control Option Ordering Logic & Description		Control Option Functionality							Control Option Components		
		Networkable	Grouping	Scheduling	Occupancy/Motion	Daylight Harvesting	0-10V Dimming	On/Off Control			Bluetooth App Programming
Other	ODPG	Occupancy sensing, daylight harvesting and task tuning in one device. ¹	-	✓	-	✓	✓	✓	✓	✓ ³	SNS200
	LVR	The Vive integral fixture control is a radio frequency (RF) device that controls either Lutron EcoSystem or DALI drivers based on RF input from Pico remote controls, Radio Power Saver wireless sensors, or Vive hubs. ²	✓	✓	✓	-	-	-	✓	-	DFCSJ-OEM-RF
	LVS	The Vive integral fixture control is a radio frequency (RF) device that controls either Lutron EcoSystem or DALI drivers based on RF input from Pico remote controls, Radio Power Saver wireless sensors, or Vive hubs. ²	✓	✓	✓	✓	✓	-	✓	-	DFCSJ-OEM-OCC
	AWNDR	The Athena wireless node is a radio frequency (RF) device that enables simple, digital control of individual light fixtures in an Athena control system. ³	✓	✓	-	-	-	✓	✓	-	A-WN-D01-RF-WH
	AWNS	The Athena wireless node is a radio frequency (RF) device that enables simple, digital control of individual light fixtures in an Athena control system. ³	✓	✓	✓	✓	✓	✓	✓	-	A-WN-D01-OCC-WH

1 Philips MasterConnect App required for field configuration.
2 Lutron Vive Hub required to enable Networking, Grouping and Scheduling.
3 Lutron Athena Hub required to enable Networking, Grouping and Scheduling.

SPECTRASync™ COLOR TUNING TECHNOLOGY

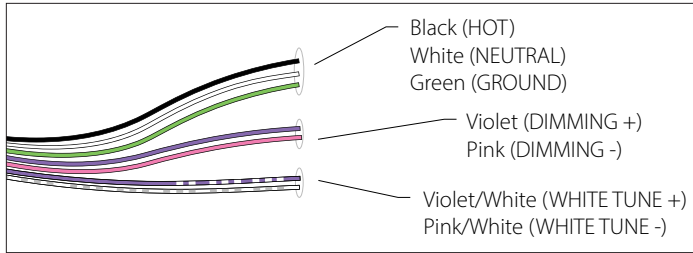
Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants with distinct SpectraSync™ Color Tuning Technologies.



SPECTRASync COLOR TUNING TECHNOLOGY		
Mode	Kelvin Range	Description
Tunable White	2700K–6500K	Offers users the ability to tailor CCT to their personal preference, enhancing task visibility, material and colors or the aesthetics of the space

SpectraSync Tunable White

Requires two 0–10V controllers, one for intensity and one for CCT. Minimum 5% dimming.

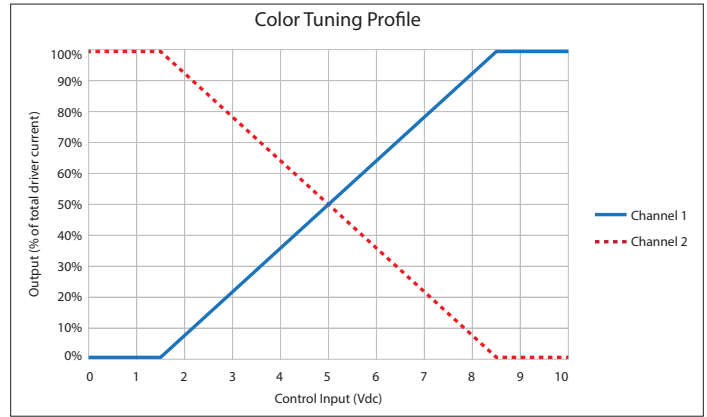


SpectraSync Tunable White luminaires are provided with two 0–10V circuits. The violet and pink circuit is for wiring to any qualified 0–10V controller for dimming. The violet/white and grey/white circuit is for wiring to any qualified 0–10V controller for Tunable White CCT control.

Controller Manufacturer Data

SpectraSync Tunable White was designed to be used with sinking style dimmers (provided by others) and is compatible with:

- NX Lighting Controls Room Controller (NXRC) and In-fixture Controllers (NXFM)
- Lutron: DDTV, DVSTV, and NFTV dimmers
- Wattstopper: ADF120277 and CD4BL (Titan) dimmers



To enable scheduling and for use with NX wall control preset stations please refer to NX SpectraSync technical sheet.

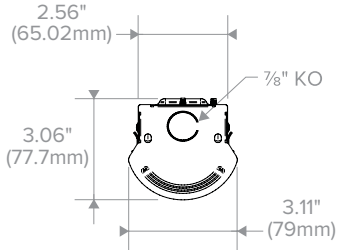
SPECTRASync™ AND NX AVAILABILITY TABLE



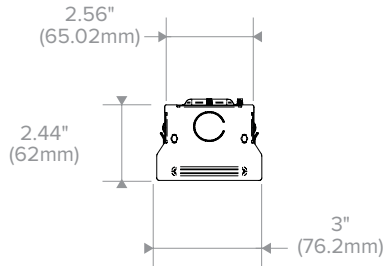
Size	Lumen package	Only With 80 CRI No Battery Pack			Only With 80 CRI With Battery Pack		
		CTC	NX	CTC+NX	CTC	NX	CTC+NX
2ft	VW	Y	Y	N	—	—	—
	MW	Y	Y	N	—	—	—
	LW	Y	Y	N	—	—	—
	ML	N	Y	N	—	—	—
	HL, VL, XL, UL	N	Y	N	—	—	—
4ft	XW	Y	Y	Y	Y	Y	Y
	VW	Y	Y	Y	Y	Y	Y
	MW	Y	Y	Y	Y	Y	Y
	LW	Y	Y	Y	Y	Y	Y
	ML	Y	Y	Y	Y	Y	Y
	HL	Y	Y	Y	Y	Y	Y
	VL	N	Y	N	N	Y	N
8ft	XL, UL	N	Y	N	N	Y	N
	XW	Y	Y	Y	Y	Y	Y
	VW	Y	Y	Y	Y	Y	Y
	MW	N	Y	N	N	Y	N
	LW	N	Y	N	N	Y	N
	ML	N	Y	N	N	Y	N
	HL	N	Y	N	N	Y	N
VL	N	Y	N	N	Y	N	
XL, UL	N	Y	N	N	Y	N	

DIMENSIONS

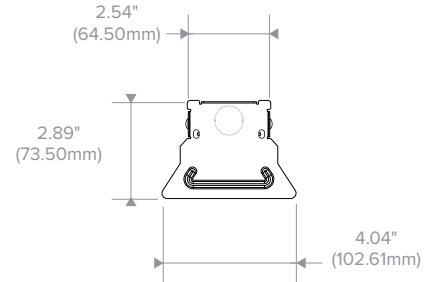
MPS END View - Curve Lens



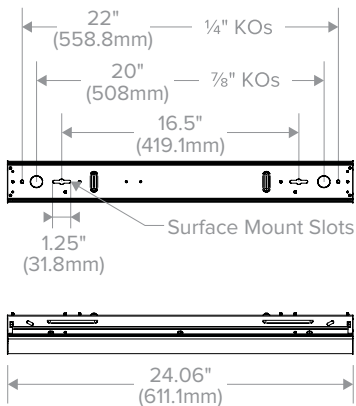
MPS END View - Flat Lens



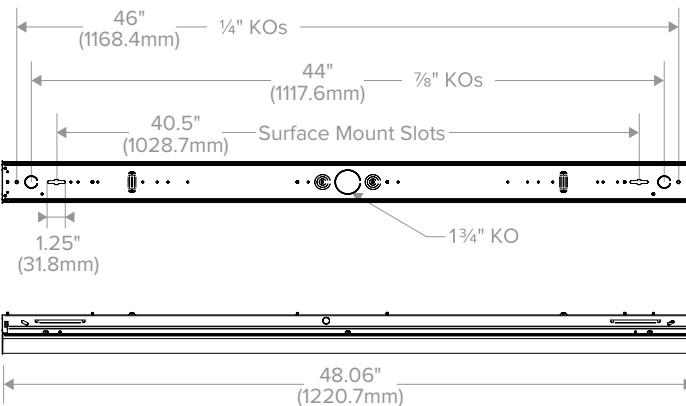
MPS END View - Wedge Lens



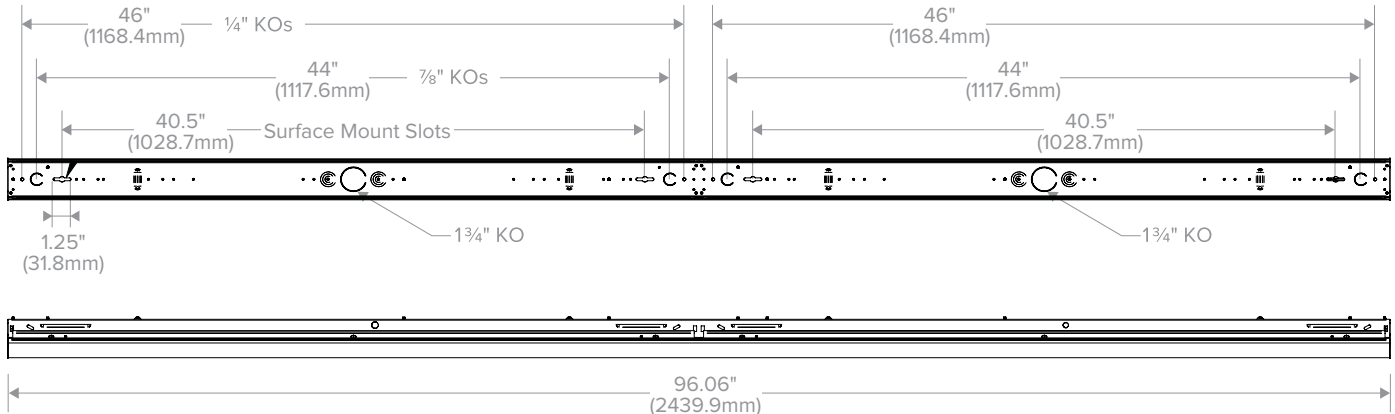
MPS 2' Dimensions



MPS 4' Dimensions



MPS 8' Dimensions



PHOTOMETRY

MPS4-40ML-CW-EDU

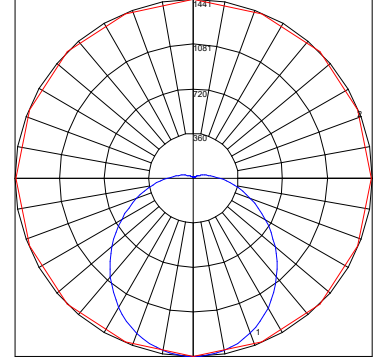
LUMINAIRE DATA

Test No.	23.0113
Description	4' Multi-Purpose Strip-Light w/ Diffuse, Curved Acrylic Lens
Delivered Lumens	5025
Watts	31.2
Efficacy	161
Mounting	Surface
Spacing Criterion	0° = 1.20 90° = 1.32

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	1145.29	22.8
0-40	1872.04	37.3
0-60	3334.68	66.4
0-90	4648.46	92.5
0-180	5024.73	100.0

POLAR GRAPH



Maximum Candela = 1440.943 Located At Horizontal Angle = 45, Vertical Angle = 2.5
 # 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
 # 2 - Horizontal Cone Through Vertical Angle (C-5) (Through Max. Cd.)

DTS WIRING DIAGRAM (0-10V DIMMING DRIVER SHOWN)

