

LED



FEATURES

- Linear hanging fixture in 4' and 8' lengths suited for racks, stacks and aisle applications
- Quick and simple hanging systems include chain or aircraft cable mounting
- Long-life, 60,000 hour LEDs at L80 (up to 150,000 projected life) for reduced life cycle maintenance costs
- Available in 4 color temperatures with 83CRI standard and 90CRI optional
- Utilizes TIR directional linear optics for optimal aisle lighting performance
- Decorative frosted acrylic drop lens available with wide distribution option to reduce glare
- Available in narrow or wide distribution
- Easy access to LED boards and drivers available
- Fixed output or 0-10V dimming drivers
- CSA listed and suitable for damp locations
- DLC® (DesignLights Consortium) Qualified - see www.designlights.org
- Five year warranty

PROJECT INFORMATION

Project Name _____

Type _____

Catalog No. _____

Date _____

CONSTRUCTION

Luminaire housing's, are die-formed code-gauge cold-rolled steel. LED modules mounted to housing surface and drivers mounted in separate compartment to minimize heat.

FINISH

All metal parts processed with a multi-stage phosphate bonding treatment and finished with a high reflectance baked white enamel. Black finish or custom colors also available. Contact factory for additional information

SHIELDING

TIR-LAL patented optics provided for aisle distribution. Decorative drop acrylic lens for wide distribution.

MOUNTING

Mounting options include aircraft cable or chain. Not recommended for surface mounting. Recommended mounting heights of 12' to 30' for optimum performance.

PERFORMANCE

MPL provides high efficacy, reduced input wattage compared to HID or fluorescent while also providing exceptional lighting quality needed in industrial and retail applications.

CERTIFICATION

All luminaires are built to UL 1598 and 2108 standards, and bear appropriate CSA labels. Damp location labeling is standard. Emergency equipped fixtures labeled UL924. Adheres to LM79, LM80 and TM21 industry standards. Patent pending. DesignLights Consortium® (DLC) qualified. Please refer to the DLC website for specific product qualifications at www.designlights.org.

WARRANTY

Five year warranty (Terms & Conditions apply)

ORDERING INFORMATION

EXAMPLE MPL4-40HL-AC-EDU-SFA

MPL					-					-					-					-				
MODEL		SIZE	CRI	COLOR TEMP	LUMEN OUTPUT		DRIVER			OPTIONS														
MPL	MPL	4 4'	83	30 3000K	LW	Low Watt	E	Fixed Output	ELL14	Emergency Battery Pack Installed, 1400 Lumens ¹														
	MegaPlane™	8 8'	90	35 3500K	ML	Medium Lumen	ED	0-10V Dimming	GLR	Fast Blow Fuse														
	Industrial			40 4000K	HL	High Lumen	ED1	0-10V Dimming to 1% ³	SFA	Smooth Frosted Acrylic Drop Lens ²														
	LED			50 5000K	VL	Very High Lumen	LUTH	Hi-Lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology ³	G6TL15	6' - Cord and Twist-Lock™ Plug 15A (Add Voltage: 1=120, 2=277)														
							LUT5	5-Series EcoSystem LED driver ³	G6TL20	6' - Cord and Twist-Lock™ Plug 20A (Add Voltage 1=120, 2=277)														
									G6P151	6' Cord and Straight Blade Plug 15A (Add Voltage 1=120, 2=277)														
									F3C5	3-Conductor Cord 5ft														
									F4C5	4-Conductor Cord 5ft														
									F5C5	5-Conductor Cord 5ft														
									OS360-20	Factory Installed Occupancy/Daylight Sensor Up to 20' Mounting														
									OS360-30	Factory Installed Occupancy/Daylight Sensor >20' Mounting														
									OSD360-20	Factory Installed Dimming Occupancy/Daylight Sensor Up to 20' Mounting														
									OSD360-30	Factory Installed Dimming Occupancy/Daylight Sensor >20' Mounting														

DRIVER AVAILABILITY					
DRIVER	LW	ML	HL	VL	
E	X	X	X	X	
ED	X	X	X	X	
ED1	X				
LUTH	X				
LUT5	X				

DISTRIBUTION	VOLTAGE
AC Aisle-Clear Optics	U 120V-277V
AD Aisle-Diffuse Optics	347 347V
W Wide	480 480V

(SFA option recommended with W distribution)

ACCESSORIES (ORDER SEPARATELY)	
LWSQM5	Aircraft Cable 5' (Pair)
LWSQM10	Aircraft Cable 10' (Pair)
4084158	V-Hanger and 14" Chain Kit (Pair)

¹ Not recommended with 480V.
² Recommended for use with Wide distribution only.
³ Available in LW lumen output only.

Product Availability 80 CRI					Product Availability 90 CRI				
Lumen Package	Distribution	Lumens	Input Watts	LPW	Lumen Package	Distribution	Lumens	Input Watts	LPW
MPL4-30L	W-AC-EU	6026	49	123	MPL4-30L	W-AC-EU	5243	49	107
MPL4-35L	W-AC-EU	6261	49	128	MPL4-35L	W-AC-EU	5378	49	110
MPL4-40L	W-AC-EU	6387	49	130	MPL4-40L	W-AC-EU	5518	49	113
MPL4-50L	W-AC-EU	6936	49	142	MPL4-50L	W-AC-EU	6215	49	127
MPL4-30L	W-W-EU-FA	5974	48	124	MPL4-30L	W-W-EU-FA	5353	48	112
MPL4-35L	W-W-EU-FA	6207	48	129	MPL4-35L	W-W-EU-FA	5562	48	116
MPL4-40L	W-W-EU-FA	6333	48	132	MPL4-40L	W-W-EU-FA	5674	48	118
MPL4-50L	W-W-EU-FA	6876	48	143	MPL4-50L	W-W-EU-FA	6161	48	128
MPL4-30L	W-AD-EU	5962	48	124	MPL4-30L	W-AD-EU	5187	48	108
MPL4-35L	W-AD-EU	6195	48	129	MPL4-35L	W-AD-EU	5322	48	111
MPL4-40L	W-AD-EU	6320	48	132	MPL4-40L	W-AD-EU	5460	48	114
MPL4-50L	W-AD-EU	6863	48	143	MPL4-50L	W-AD-EU	6149	48	128
MPL4-30M	L-AC-EU	8270	71	116	MPL4-30M	L-AC-EU	7195	71	101
MPL4-35M	L-AC-EU	8593	71	121	MPL4-35M	L-AC-EU	7381	71	104
MPL4-40M	L-AC-EU	8766	71	123	MPL4-40M	L-AC-EU	7574	71	107
MPL4-50M	L-AC-EU	9519	71	134	MPL4-50M	L-AC-EU	8529	71	120
MPL4-30M	L-W-EU-FA	8260	71	116	MPL4-30M	L-W-EU-FA	7401	71	104
MPL4-35M	L-W-EU-FA	8582	71	121	MPL4-35M	L-W-EU-FA	7689	71	108
MPL4-40M	L-W-EU-FA	8755	71	123	MPL4-40M	L-W-EU-FA	7844	71	110
MPL4-50M	L-W-EU-FA	9507	71	134	MPL4-50M	L-W-EU-FA	8518	71	120
MPL4-30M	L-AD-EU	8220	71	116	MPL4-30M	L-AD-EU	7151	71	101
MPL4-35M	L-AD-EU	8541	71	120	MPL4-35M	L-AD-EU	7337	71	103
MPL4-40M	L-AD-EU	8713	71	123	MPL4-40M	L-AD-EU	7528	71	106
MPL4-50M	L-AD-EU	9461	71	133	MPL4-50M	L-AD-EU	8477	71	119
MPL4-30H	L-AC-EU	9906	86	115	MPL4-30H	L-AC-EU	8618	86	100
MPL4-35H	L-AC-EU	10292	86	120	MPL4-35H	L-AC-EU	8841	86	103
MPL4-40H	L-AC-EU	10500	86	122	MPL4-40H	L-AC-EU	9072	86	105
MPL4-50H	L-AC-EU	11401	86	133	MPL4-50H	L-AC-EU	10215	86	119
MPL4-30H	L-W-EU-FA	9782	86	114	MPL4-30H	L-W-EU-FA	8765	86	102
MPL4-35H	L-W-EU-FA	10164	86	118	MPL4-35H	L-W-EU-FA	9107	86	106
MPL4-40H	L-W-EU-FA	10396	86	121	MPL4-40H	L-W-EU-FA	9315	86	108
MPL4-50H	L-W-EU-FA	11260	86	131	MPL4-50H	L-W-EU-FA	10089	86	117
MPL4-30H	L-AD-EU	9753	86	113	MPL4-30H	L-AD-EU	8485	86	99
MPL4-35H	L-AD-EU	10134	86	118	MPL4-35H	L-AD-EU	9080	86	106
MPL4-40H	L-AD-EU	10399	87	120	MPL4-40H	L-AD-EU	8985	87	103
MPL4-50H	L-AD-EU	11226	86	131	MPL4-50H	L-AD-EU	10058	86	117
MPL4-30V	L-AC-EU	10917	96	114	MPL4-30V	L-AC-EU	9498	96	99
MPL4-35V	L-AC-EU	8541	96	119	MPL4-35V	L-AC-EU	7337	96	77
MPL4-40V	L-AC-EU	11572	96	121	MPL4-40V	L-AC-EU	9998	96	104
MPL4-50V	L-AC-EU	12565	96	131	MPL4-50V	L-AC-EU	11258	96	117
MPL4-30V	L-W-EU-FA	10537	95	111	MPL4-30V	L-W-EU-FA	9441	96	98
MPL4-35V	L-W-EU-FA	10948	95	115	MPL4-35V	L-W-EU-FA	9809	96	102
MPL4-40V	L-W-EU-FA	11169	95	118	MPL4-40V	L-W-EU-FA	10007	96	104
MPL4-50V	L-W-EU-FA	12128	95	128	MPL4-50V	L-W-EU-FA	10867	96	113
MPL4-30V	L-AD-EU	10743	96	112	MPL4-30V	L-AD-EU	9346	96	97
MPL4-35V	L-AD-EU	11162	96	116	MPL4-35V	L-AD-EU	9588	96	100
MPL4-40V	L-AD-EU	11387	96	119	MPL4-40V	L-AD-EU	9838	96	102
MPL4-50V	L-AD-EU	12365	96	129	MPL4-50V	L-AD-EU	11079	96	115

Product Availability 80 CRI					Product Availability 90 CRI				
Lumen Package	Distribution	Lumens	Input Watts	LPW	Lumen Package	Distribution	Lumens	Input Watts	LPW
MPL8-30L	W-AC-EU	12051	99	122	MPL8-30L	W-AC-EU	10484	99	106
MPL8-35L	W-AC-EU	12521	99	126	MPL8-35L	W-AC-EU	10756	99	109
MPL8-40L	W-AC-EU	12774	99	129	MPL8-40L	W-AC-EU	11037	99	111
MPL8-50L	W-AC-EU	13871	99	140	MPL8-50L	W-AC-EU	12428	99	126
MPL8-30L	W-W-EU-FA	11949	96	124	MPL8-30L	W-W-EU	10706	99	108
MPL8-35L	W-W-EU-FA	12415	96	129	MPL8-35L	W-W-EU-FA	11124	96	116
MPL8-40L	W-W-EU-FA	12655	96	147	MPL8-40L	W-W-EU-FA	11339	96	118
MPL8-50L	W-W-EU-FA	13753	96	143	MPL8-50L	W-W-EU-FA	12323	96	128
MPL8-30L	W-AD-EU	11925	97	123	MPL8-30L	W-W-EU-FA	10375	96	108
MPL8-35L	W-AD-EU	12390	97	128	MPL8-35L	W-AD-EU	10643	97	110
MPL8-40L	W-AD-EU	12640	97	130	MPL8-40L	W-AD-EU	10921	97	113
MPL8-50L	W-AD-EU	13725	97	141	MPL8-50L	W-AD-EU	12298	97	127
MPL8-30M	L-AC-EU	16540	141	117	MPL8-30M	L-AC-EU	14390	141	102
MPL8-35M	L-AC-EU	17185	141	122	MPL8-35M	L-AC-EU	14762	141	105
MPL8-40M	L-AC-EU	17532	141	124	MPL8-40M	L-AC-EU	15148	141	107
MPL8-50M	L-AC-EU	19038	141	135	MPL8-50M	L-AC-EU	17058	141	121
MPL8-30M	L-W-EU-FA	16519	142	116	MPL8-30M	L-W-EU-FA	14801	141	105
MPL8-35M	L-W-EU-FA	17164	142	121	MPL8-35M	L-W-EU-FA	15379	141	109
MPL8-40M	L-W-EU-FA	17510	142	123	MPL8-40M	L-W-EU-FA	15689	141	111
MPL8-50M	L-W-EU-FA	19014	142	134	MPL8-50M	L-W-EU-FA	17036	141	121
MPL8-30M	L-AD-EU	16440	142	116	MPL8-30M	L-AD-EU	14303	142	101
MPL8-35M	L-AD-EU	17081	142	120	MPL8-35M	L-AD-EU	14673	142	103
MPL8-40M	L-AD-EU	17510	142	123	MPL8-40M	L-AD-EU	15129	142	107
MPL8-50M	L-AD-EU	18922	142	133	MPL8-50M	L-AD-EU	16954	142	119
MPL8-30H	L-AC-EU	19811	171	116	MPL8-30H	L-AC-EU	17236	171	101
MPL8-35H	L-AC-EU	20584	171	120	MPL8-35H	L-AC-EU	17682	171	103
MPL8-40H	L-AC-EU	21000	171	123	MPL8-40H	L-AC-EU	18144	171	106
MPL8-50H	L-AC-EU	22803	171	133	MPL8-50H	L-AC-EU	20431	171	119
MPL8-30H	L-W-EU-FA	19565	172	114	MPL8-30H	L-W-EU-FA	17530	171	103
MPL8-35H	L-W-EU-FA	20328	172	118	MPL8-35H	L-W-EU-FA	18214	171	107
MPL8-40H	L-W-EU-FA	20739	172	121	MPL8-40H	L-W-EU-FA	18582	171	109
MPL8-50H	L-W-EU-FA	22519	172	131	MPL8-50H	L-W-EU-FA	20177	171	118
MPL8-30H	L-AD-EU	19507	173	113	MPL8-30H	L-AD-EU	16971	173	98
MPL8-35H	L-AD-EU	20268	172	118	MPL8-35H	L-AD-EU	17410	172	101
MPL8-40H	L-AD-EU	20677	172	120	MPL8-40H	L-AD-EU	17865	172	104
MPL8-50H	L-AD-EU	22453	171	131	MPL8-50H	L-AD-EU	20118	171	118
MPL8-30V	L-AC-EU	21833	192	114	MPL8-30V	L-AC-EU	18995	192	99
MPL8-35V	L-AC-EU	22684	191	119	MPL8-35V	L-AC-EU	19486	191	102
MPL8-40V	L-AC-EU	23143	191	121	MPL8-40V	L-AC-EU	19996	191	105
MPL8-50V	L-AC-EU	25130	190	132	MPL8-50V	L-AC-EU	22516	190	119
MPL8-30V	L-W-EU-FA	21074	190	111	MPL8-30V	L-W-EU-FA	18882	190	99
MPL8-35V	L-W-EU-FA	21896	190	115	MPL8-35V	L-W-EU-FA	19619	190	103
MPL8-40V	L-W-EU-FA	22338	190	118	MPL8-40V	L-W-EU-FA	20015	190	105
MPL8-50V	L-W-EU-FA	24256	190	128	MPL8-50V	L-W-EU-FA	21733	190	114
MPL8-30V	L-AD-EU	21485	192	112	MPL8-30V	L-AD-EU	18692	192	97
MPL8-35V	L-AD-EU	22323	192	116	MPL8-35V	L-AD-EU	19175	192	100
MPL8-40V	L-AD-EU	22774	191	119	MPL8-40V	L-AD-EU	19677	191	103
MPL8-50V	L-AD-EU	24730	192	129	MPL8-50V	L-AD-EU	22158	192	115

Test #15968 Test Date 12/23/2015

PHOTOMETRIC DATA

LUMINAIRE DATA

Luminaire	MPL4-40LW-AC-EU MPL MegaPlane LED Linear High Bay, Industrial 10"x46" LED with clear linear aisle optic data scaled from test 15.02351
Ballast	D10CC55UNVTZ
Ballast Factor	1.00
Lamp	LED
Fixture Lumens	6387
Watts	49.40
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.35 90° = 0.62
Luminous Opening in Feet	Length: 3.83 Width: 0.33 Height: 0.00

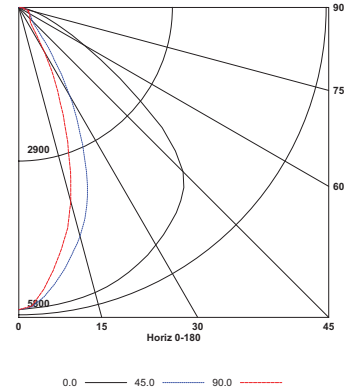
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	3248	50.9	50.9
0-40	4425	69.3	69.3
0-60	5823	91.2	91.2
0-90	6387	100.0	100.0
0-180	6387	100.0	100.0

ENERGY DATA

Total Luminaire Efficiency	100.0%
Total Lumens per Watt	129
IESNA RP-1-2004 Compliance	Non-Compliant
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$1.85 based on 3000 hrs. and \$0.08 per KWH

INDOOR CANDELA PLOT



Test #15974 Test Date 12/17/2015

LUMINAIRE DATA

Luminaire	MPL4-40HL-AC-EU MPL MegaPlane LED Linear High Bay, Industrial 10"x46" LED with clear linear aisle optic data scaled from test 15.02338
Ballast	OTI 85/120-277/2A0 DIMLT2 L
Ballast Factor	1.00
Lamp	LED
Fixture Lumens	10,500
Watts	85.60
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.34 90° = 0.61
Luminous Opening in Feet	Length: 3.71 Width: 0.21 Height: 0.00

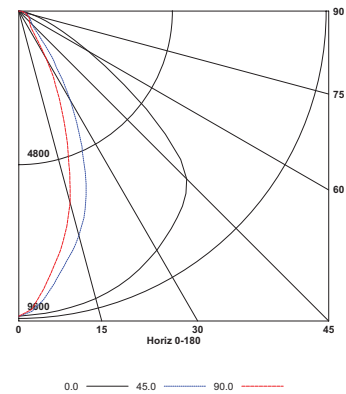
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	5343	50.9	50.9
0-40	7303	69.5	69.5
0-60	9613	91.6	91.6
0-90	10500	100.0	100.0
0-180	10500	100.0	100.0

ENERGY DATA

Total Luminaire Efficiency	100.0%
Total Lumens per Watt	123
IESNA RP-1-2004 Compliance	Non-Compliant
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$1.97 based on 3000 hrs. and \$0.08 per KWH

INDOOR CANDELA PLOT



Test #15980 Test Date 12/21/2015

LUMINAIRE DATA

Luminaire	MPL4-40VL-AD-EU MPL MegaPlane LED Linear High Bay, Industrial 10"x46" LED with diffuse linear aisle optic data scaled from test 15.02341
Ballast	OTi 85/120-277/2A0 DIMLT2 L
Ballast Factor	1.00
Lamp	LED
Fixture Lumens	11,387
Watts	95.80
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.24 90° = 0.77
Luminous Opening in Feet	Length: 3.83 Width: 0.31 Height: 0.00

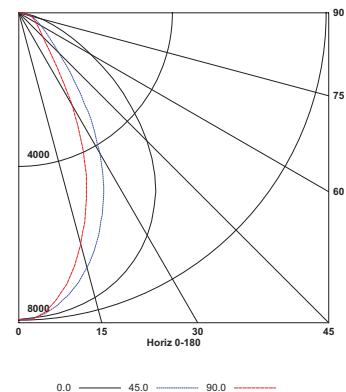
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	5128	45.0	45.0
0-40	7348	64.5	64.5
0-60	10135	89.0	89.0
0-90	11387	100.0	100.0
0-180	11387	100.0	100.0

ENERGY DATA

Total Luminaire Efficiency	100.0%
Total Lumens per Watt	119
IESNA RP-1-2004 Compliance	Non-Compliant
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$2.02 based on 3000 hrs. and \$0.08 per KWH

INDOOR CANDELA PLOT



PHOTOMETRIC DATA

LUMINAIRE DATA

Luminaire	MPL4-50VL-W-EU-FA MPL MegaPlane LED Linear High Bay, Industrial 10"x46" LED with frosted linear prisms lens
Ballast	OTi 85/120-277/2A0 DIMLT2 L
Ballast Factor	1.00
Lamp	LED
Fixture Lumens	12,128
Watts	95.00
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.21 90° = 1.29
Luminous Opening in Feet	Length: 3.83 Width: 0.33 Height: 0.00

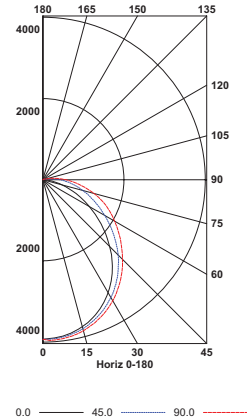
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	3061	25.2	25.2
0-40	5003	41.3	41.3
0-60	8783	72.4	72.4
0-90	11825	97.5	97.5
0-180	12128	100.0	100.0

ENERGY DATA

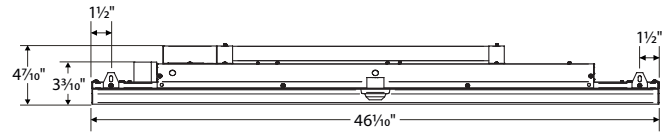
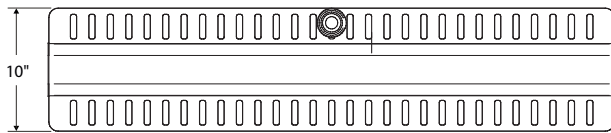
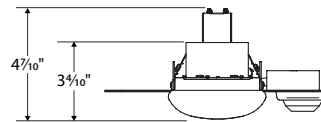
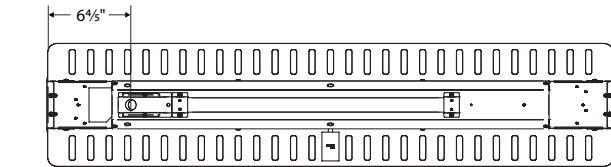
Total Luminaire Efficiency	100.0%
Total Lumens per Watt	128
IESNA RP-1-2004 Compliance	Non-Compliant
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$1.88 based on 3000 hrs. and \$0.08 per KWH

INDOOR CANDELA PLOT



DIMENSIONAL DATA - 4'

Weight: 4 ft = 16.5lb
8 ft = 30lb



DIMENSIONAL DATA - 8'

