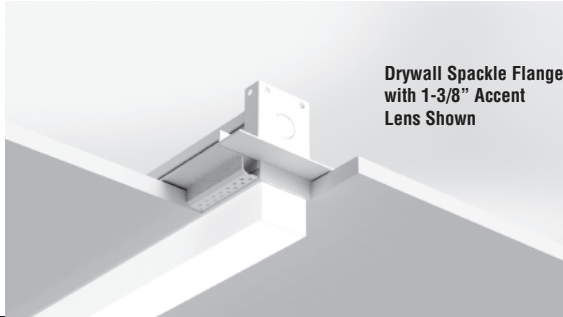


Microlinea™ Recessed Series 2 - with Accent/Drop Lens (1 7/8" Luminous Aperture)

Catalog Number	Type
Project Name	



Drywall Spackle Flange with 1-3/8" Accent Lens Shown



1/2" or 5/8" Thick Drywall Ceilings

S P E C I F I C A T I O N S

Housing

Three piece extruded aluminum available in single sections up to 8' long. Standard flange finish is satin white.

Optical Controls

- (ADL1) .090" thick, high transmittance extruded acrylic snap-in Accent Lens. Lens extends 3/8" below ceiling line.
- (ADL2) .090" thick, high transmittance extruded acrylic snap-in Accent Lens. Lens extends 1-3/8" below ceiling line.

Reflector/Heat Sink

.040" thick die-formed aluminum finished with a high reflectance white enamel.

Integral Controls

Contact factory for daylight and/or occupancy sensor controls.

Circuitry

All fixtures are factory pre-wired for a single circuit. Provision for multiple switching/circuiting is optional.

Driver (Standard)

Osram-Sylvania "Optotronic" power supply is UL/CUL recognized, 0-10V dimming available, 120-277 universal voltage. 347V is available.

*Due to continued advancement in LED technology, lumen performance is subject to change. Please visit our website for the most up-to-date information.

Light Engine (Standard)

LED light source available for 3000K, 3500K, and 4000K CCT, in high and medium light outputs and 80 or 90 CRI. Standard outputs at 80 CRI:

- HO** - High Output (w/ADL1 Accent/Drop Lens)
*2718 Total Delivered Lms. at 27 System Watts
- HO** - High Output (w/ADL2 Accent/Drop Lens)
*2748 Total Delivered Lms. at 27 System Watts
- MO** - Medium Output (w/ADL1 Accent/Drop Lens)
*1861 Total Delivered Lms. at 19 System Watts
- MO** - Medium Output (w/ADL2 Accent/Drop Lens)
*1877 Total Delivered Lms. at 19 System Watts
- CO** - Custom Outputs - (Contact Factory)
(All Values are per 4' using 3500K LED modules)

Driver (Tunable White)

EldoLED power supply is UL recognized, DALI 0-10V, or DMX available, 120-277 universal volt.

Light Engine (Tunable White)

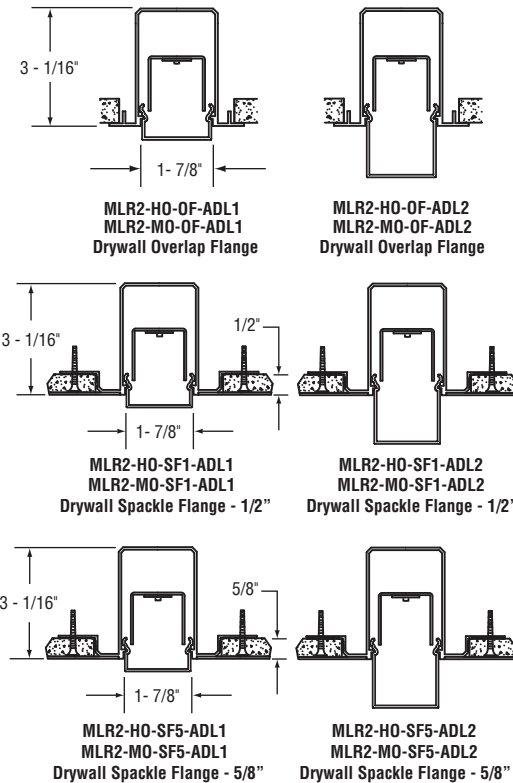
Tunable White LED light source available for 2700K thru 6500K CCT, and 80 or 90 CRI. Contact factory for available outputs.

Wiring

All fixtures intended for continuous rows are provided with factory installed quick-connect wiring.

Certification

Fixtures are ETL listed for use in 'Dry or Damp Applications.' Conforms to UL Standard #1598 and to CAN/CSA #C22.2No. 250.0



Sample Catalog Number:

MLR2 - HO - K40 - 80 - 4 - OF - YK - ADL1 - 120 - DIM1 - OPTIONS



PAL Microlinea Recessed Series 2 (MLR2)

- Lumen Output/4': **HO** - High Output (ADL1) = 2718 Total Lms. - 99 Lm/W
(Using 3500K) **HO** - High Output (ADL2 Lens) = 2748 Total Lms. - 100 Lm/W
MO - Medium Output (ADL1 Lens) = 1861 Total Lms. - 100 Lm/W
MO - Medium Output (ADL2 Lens) = 1877 Total Lms. - 101 Lm/W
CO - Custom Output (Contact factory for available output range)

CCT: **K30**-3000K, **K35**-3500K, **K40**-4000K, **TW**-Tunable White (2700K - 6500K)

CRI: **80** (Standard), **90** (Optional)

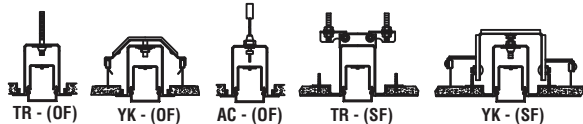
Fixture Lengths: **2'**, **3'**, **4'**, **6'**, and **8'**

For continuous rows of 8' or longer, specify nominal row length in 1' increments.

Ceiling Type: **OF** = Drywall Overlap Flange **SF1** = Spackle Fl. w/1/2" Drywall **SF5** = Spackle Fl. w/5/8" Drywall

Mounting: **TR** = 1/4-20 Threaded Rod (By Others) - (OF) **YK** = Snap-in Yoke - (OF) **AC** = Adj. Aircraft Cable - (OF)

TR = 1/4-20 Threaded Rod (By Others) - (SF) **YK** = Adjustable Yoke - (SF)



Optical Control: **ADL1** = 3/8" Extended Accent/Drop Lens **ADL2** = 1-3/8" Extended Accent/Drop Lens

Voltage: **120V**, **277V**, **347V** or **UNV** (Universal Voltage)

Dimming: **DIM1** = Standard Driver with Available Dimming - 100% to 1% **DIM0** = Optional Driver with Available Dimming - 100% to 0% (Dark)

Options: **NLCKT** = Night-Light Circuit (Common Neutral) **EMCKT** = Emergency Circuit (Separate Hot & Neutral) **EBPHST** = Self-Testing Battery Pack (10 Watt) (*N/A for 2' or 3')

DALI = DALI Protocol Driver (Tunable White) **DMX** = DMX Protocol Driver (Tunable White) **0-10V/TW** = 0-10V Driver (Tunable White) **FS** = Fused Drivers

GTD = Generator Transfer Device **CP** = Chicago Plenum



Precision Architectural Lighting 4830 Timber Creek Drive Houston, Texas 77017
Tel 713.946.4343 Fax 713.946.4441 www.pal-lighting.com



Recessed - Accent/Drop Lenses

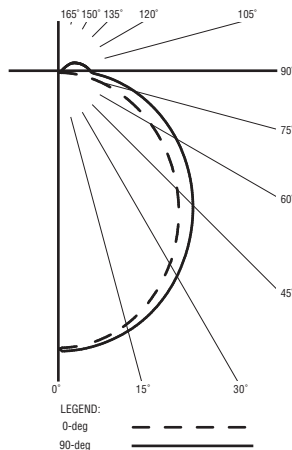
MLR2-HO-K35-ADL1



High Output

3/8" Accent/Drop Lens

Catalog Number: MLR2-HO-K35-80-4'-X-ADL1-120
Report Number: #LLIA001159-001.ies
Luminaire Description : Extruded Aluminum Housing with White Aluminum Reflector and LED Optimized Acrylic Accent Lens
LED Module: Multiple White Low-Power Light Emitting Diodes (LEDs) in a precise lay-out.
 Total Luminaire Efficacy = 99.0 Lm/W
 Color Rendering Index (CRI) = 83
 7% Up 93% Down



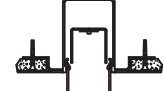
ZONAL LUMEN SUMMA RY

Zone	Lumens	%Fixture
0- 30	651	24.0
0- 40	1059	39.0
0- 60	1874	69.0
0- 90	2531	93.1
90- 180	187	6.9
0- 180	2718	100.0

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	850	850	850	850	850
5	841	841	844	848	851
15	800	802	808	816	820
25	725	730	743	756	760
35	625	635	655	671	677
45	511	527	552	572	579
55	390	412	441	465	473
65	267	293	327	353	362
75	150	179	215	242	251
85	47	78	112	137	146
90	4	35	69	94	103

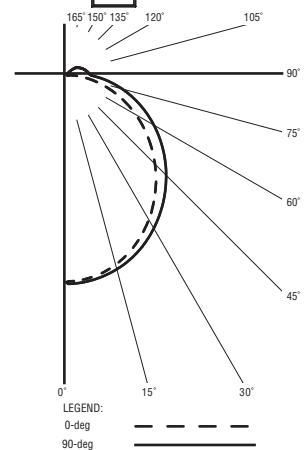
MLR2-MO-K35-ADL1



Medium Output

3/8" Accent/Drop Lens

Catalog Number: MLR2-MO-K35-80-4'-X-ADL1-120
Report Number: #LLIA001159-003.ies
Luminaire Description : Extruded Aluminum Housing with White Aluminum Reflector and LED Optimized Acrylic Accent Lens
LED Module: Multiple White Low-Power Light Emitting Diodes (LEDs) in a precise lay-out.
 Total Luminaire Efficacy = 100.0 Lm/W
 Color Rendering Index (CRI) = 83
 7% Up 93% Down



ZONAL LUMEN SUMMA RY

Zone	Lumens	%Fixture
0- 30	446	24.0
0- 40	725	39.0
0- 60	1283	69.0
0- 90	1733	93.1
90- 180	128	6.9
0- 180	1861	100.0

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	582	582	582	582	582
5	576	576	578	581	583
15	548	549	553	558	561
25	496	500	509	517	521
35	428	435	448	459	463
45	350	361	378	392	397
55	267	282	302	318	324
65	183	201	224	242	248
75	103	123	147	166	172
85	32	53	77	94	100
90	3	24	47	64	70

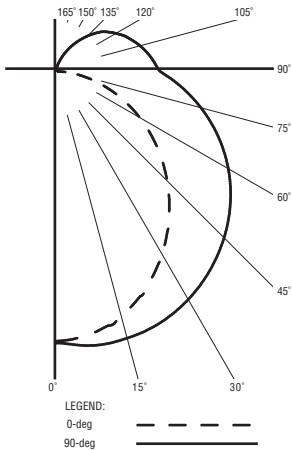
MLR2-HO-K35-ADL2



High Output

1-3/8" Accent/Drop Lens

Catalog Number: MLR2-HO-K35-80-4'-X-ADL2-120
Report Number: #LLIA001159-004.ies
Luminaire Description : Extruded Aluminum Housing with White Aluminum Reflector and LED Optimized Acrylic Accent Lens
LED Module: Multiple White Low-Power Light Emitting Diodes (LEDs) in a precise lay-out.
 Total Luminaire Efficacy = 100.3 Lm/W
 Color Rendering Index (CRI) = 84
 19% Up 81% Down



ZONAL LUMEN SUMMA RY

Zone	Lumens	%Fixture
0- 30	474	17.2
0- 40	789	28.7
0- 60	1475	53.6
0- 90	2222	80.9
90- 180	526	19.1
0- 180	2748	100.0

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	588	588	588	588	588
5	581	584	589	595	599
15	552	569	582	595	601
25	499	523	553	578	588
35	429	464	510	545	558
45	350	397	455	500	516
55	268	325	393	455	464
65	185	249	324	381	401
75	105	174	253	310	330
85	36	107	184	239	257
90	9	80	154	208	225

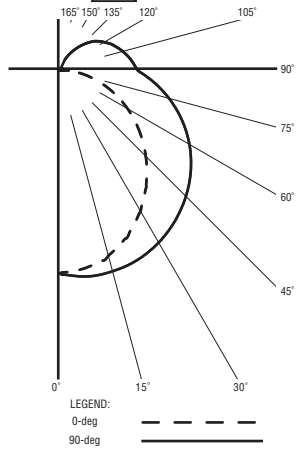
MLR2-MO-K35-ADL2



Medium Output

1-3/8" Accent/Drop Lens

Catalog Number: MLR2-MO-K35-80-4'-X-ADL2-120
Report Number: #LLIA001159-005.ies
Luminaire Description : Extruded Aluminum Housing with White Aluminum Reflector and LED Optimized Acrylic Accent Lens
LED Module: Multiple White Low-Power Light Emitting Diodes (LEDs) in a precise lay-out.
 Total Luminaire Efficacy = 101.4 Lm/W
 Color Rendering Index (CRI) = 84
 19% Up 81% Down



ZONAL LUMEN SUMMA RY

Zone	Lumens	%Fixture
0- 30	324	17.3
0- 40	539	28.8
0- 60	1009	53.9
0- 90	1519	80.9
90- 180	358	19.1
0- 180	1877	100.0

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	402	402	402	402	402
5	398	399	403	407	409
15	378	389	398	407	411
25	341	358	378	395	402
35	293	317	348	373	381
45	239	272	311	342	353
55	183	222	268	304	317
65	126	170	222	260	274
75	71	119	173	212	226
85	25	73	126	163	176
90	7	54	106	142	154

For more information, visit our website at www.pal-lighting.com



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