

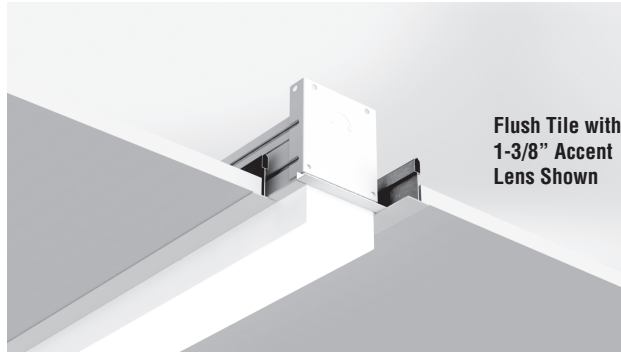
Microlinea™ Recessed Series 3 - with Accent/Drop Lens

(2 7/8" Luminous Aperture)

Catalog Number

Type

Project Name



Flush Tile with
1-3/8" Accent
Lens Shown



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.

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)

*3960 Total Delivered Lms. at 35 System Watts

HO - High Output (w/ADL2 Accent/Drop Lens)

*4126 Total Delivered Lms. at 35 System Watts

MO - Medium Output (w/ADL1 Accent/Drop Lens)

*2583 Total Delivered Lms. at 22 System Watts

MO - Medium Output (w/ADL2 Accent/Drop Lens)

*2680 Total Delivered Lms. at 22 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 voltage.

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.

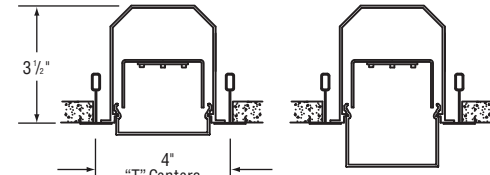
Certification

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

Grid Ceilings

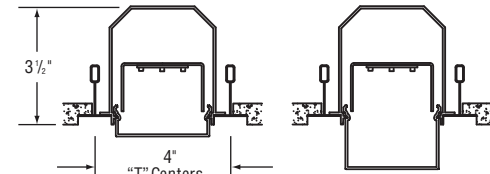
5
Year

Limited Warranty
LED Boards & Drivers



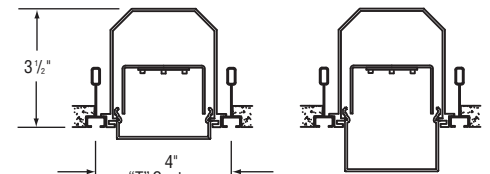
MLR3-HO-FT-ADL1
MLR3-MO-FT-ADL1
Flush Tile

MLR3-HO-FT-ADL2
MLR3-MO-FT-ADL2
Flush Tile



MLR3-HO-TT-ADL1
MLR3-MO-TT-ADL1
Regular Tile

MLR3-HO-TT-ADL2
MLR3-MO-TT-ADL2
Regular Tile



MLR3-HO-SG-ADL1
MLR3-MO-SG-ADL1
Screw Slot Grid

MLR3-HO-SG-ADL2
MLR3-MO-SG-ADL2
Screw Slot Grid

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

Sample Catalog Number:

MLR3 - HO - K40 - 80 - 4 - FT - ADL1 - 120 - DIM1 - OPTIONS

PAL Microlinea Recessed Series 3 (MLR3)

Lumen Output/4': **HO** - High Output (ADL1 Lens) = 3960 Total Lms. - 114 Lm/W

(Using 3500K) **HO** - High Output (ADL2 Lens) = 4126 Total Lms. - 118 Lm/W

MO - Medium Output (ADL1 Lens) = 2583 Total Lms. - 119 Lm/W

MO - Medium Output (ADL2 Lens) = 2680 Total Lms. - 123 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: **FT** = 15/16" or 9/16" Grid with Flush Tile **TT** = 15/16" or 9/16" Grid with Regular Tile

SG = Screw Slot Grid

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) **GTD** = Generator Transfer Device

FS = Fused Drivers **CP** = Chicago Plenum



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Made in America

Recessed - Accent/Drop Lenses

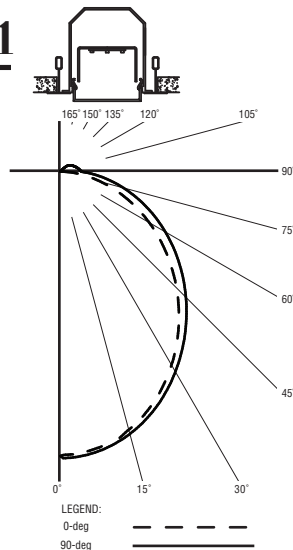
MLR3-HO-K35-ADL1

High Output

3/8" Accent/Drop Lens

Catalog Number: MLR3-HO-K35-80-4'-X-ADL1-120
Report Number: #LLIA001159-006.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 = 113.8 Lm/W
 Color Rendering Index (CRI) = 82
 5% Up 95% Down



ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0- 30	1040	26.3
0- 40	1674	42.3
0- 60	2891	73.0
0- 90	3775	95.3
90- 180	184	4.7
0- 180	3960	100.0

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1381	1381	1381	1381	1381
5	1366	1367	1371	1377	1382
15	1294	1297	1301	1309	1315
25	1162	1166	1177	1188	1193
35	989	998	1015	1029	1035
45	795	811	834	853	860
55	597	618	647	671	679
65	400	427	462	489	498
75	216	247	285	314	323
85	63	95	131	157	166
90	5	35	68	93	101

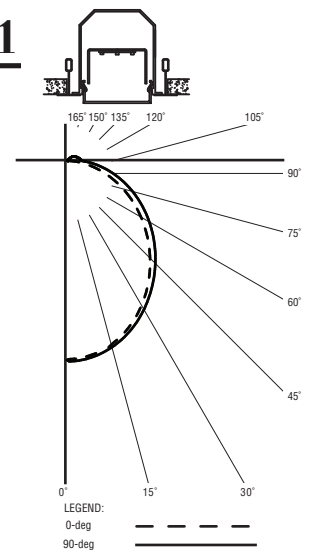
MLR3-MO-K35-ADL1

Medium Output

3/8" Accent/Drop Lens

Catalog Number: MLR3-MO-K35-80-4'-X-ADL1-120
Report Number: #LLIA001159-008.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 = 118.6 Lm/W
 Color Rendering Index (CRI) = 83
 5% Up 95% Down



ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0- 30	679	26.3
0- 40	1092	42.3
0- 60	1886	73.0
0- 90	2463	95.4
90- 180	120	4.6
0- 180	2583	100.0

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	902	902	902	902	902
5	892	892	895	899	902
15	845	846	849	855	858
25	759	761	768	775	779
35	645	651	662	672	675
45	519	529	544	556	561
55	389	403	422	438	443
65	261	278	301	319	324
75	141	161	186	205	211
85	41	62	85	103	108
90	3	23	44	61	66

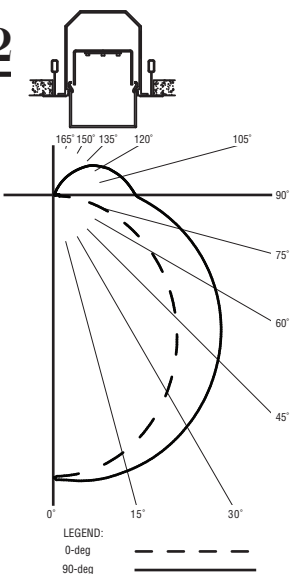
MLR3-HO-K35-ADL2

High Output

1-3/8" Accent/Drop Lens

Catalog Number: MLR3-HO-K35-80-4'-X-ADL2-120
Report Number: #LLIA001159-009.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 = 118.0 Lm/W
 Color Rendering Index (CRI) = 82
 16% Up 84% Down



ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0- 30	775	18.7
0- 40	1285	31.1
0- 60	2370	57.4
0- 90	3453	83.7
90- 180	672	16.3
0- 180	4126	100.0

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	971	971	971	971	971
5	962	964	971	980	985
15	916	933	955	972	980
25	833	863	901	934	946
35	720	764	822	867	883
45	592	651	723	780	800
55	455	527	611	677	700
65	315	395	488	560	585
75	178	265	362	435	460
85	62	150	245	315	338
90	17	103	197	265	287

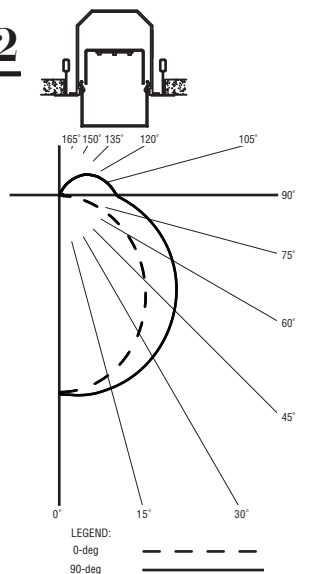
MLR3-MO-K35-ADL2

Medium Output

1-3/8" Accent/Drop Lens

Catalog Number: MLR3-MO-K35-80-4'-X-ADL2-120
Report Number: #LLIA001159-010.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 = 122.8 Lm/W
 Color Rendering Index (CRI) = 83
 16% Up 84% Down



ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0- 30	504	18.7
0- 40	835	31.1
0- 60	1540	57.4
0- 90	2244	83.7
90- 180	437	16.3
0- 180	1877	100.0

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	631	631	631	631	631
5	625	627	631	637	641
15	596	607	621	632	637
25	541	561	586	607	615
35	468	497	534	563	574
45	384	423	470	507	520
55	296	342	397	440	455
65	204	257	317	363	380
75	116	172	235	283	299
85	40	97	159	204	219
90	11	67	128	172	186



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Made in America

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