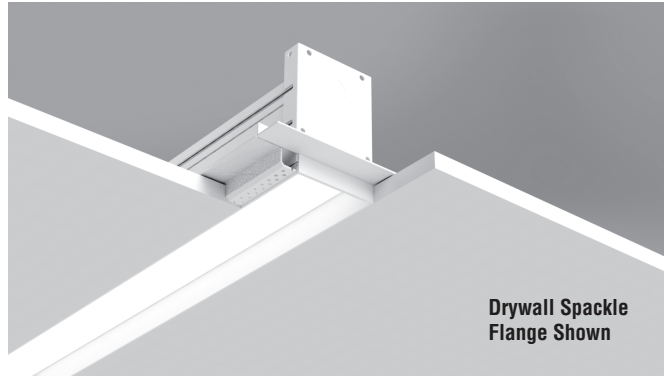


Microlinea™ Recessed Series 3- with Regress Lens

(2 7/8" Luminous Aperture)



Drywall Spackle
Flange 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 Control

(LOH) High transmittance extruded acrylic snap-in lens, formulated for maximum diffusion of the LED light source. Lens is regressed 1" above ceiling line.

Reflector/Heat Sink

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

Wiring

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

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

*2480 Total Delivered Lms. at 26 System Watts

MO -Medium Output

*1542 Total Delivered Lms. at 16 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.

Integral Controls

Contact factory for daylight and/or occupancy sensor controls.

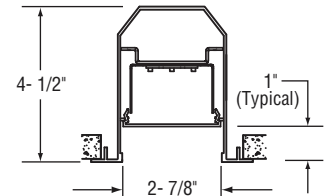
Certification

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

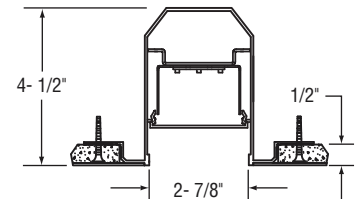
1/2" or 5/8" Thick Drywall Ceilings



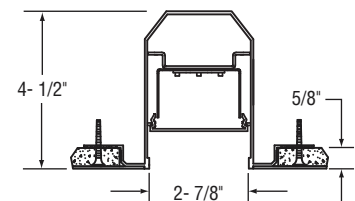
Limited Warranty
LED Boards & Drivers



MLR3RG-HO-OF-LOH
MLR3RG-MO-OF-LOH
Drywall Overlap Flange



MLR3RG-HO-SF1-LOH
MLR3RG-MO-SF1-LOH
Drywall Spackle Flange - 1/2"



MLR3RG-HO-SF5-LOH
MLR3RG-MO-SF5-LOH
Drywall Spackle Flange - 5/8"

Sample Catalog Number: **MLR3RG - HO - K40 - 80 - 4 - OF - TR - LOH - 120 - DIM1 - OPTIONS**

PAL Microlinea Recess Series 3 - Reg. Lens (MLR3RG)

Lumen Output / 4': **HO** - High Output = 2480 Total Lms. - 97 Lm/W
(Using 3500K) **MO** - Medium Output = 1542 Total Lms. - 99 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)

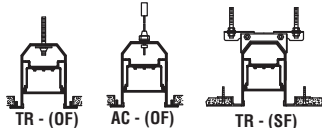
Fixture Lengths: **2', 3', 4', 6', and 8'**

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

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

Mounting: **TR** = 1/4-20 Threaded Rod (By Others) - (OF) **AC** = Adjustable Aircraft Cable - (OF)

TR = 1/4-20 Threaded Rod (By Others) - (SF)



Optical Control: **LOH** = LED Optimized Acrylic Snap-in 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



Made in America

Recessed - Regress Lens

MLR3RG-HO-K35-LOH

High Output

LED Optimized High Transmittance Lens

Catalog Number: MLR3RG-HO-K35-80-4'-X-LOH-120

Report Number: #LLIA001168-004.ies

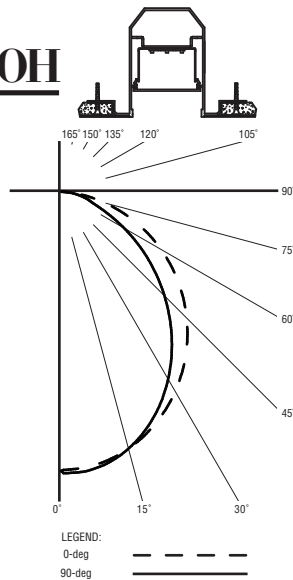
Luminaire Description: Extruded Aluminum Housing with White Aluminum Reflector and LED Optimized Acrylic Regress Lens

LED Module: Multiple White Low-Power Light Emitting Diodes (LEDs) in a precise lay-out.

Total Luminaire Efficacy = 97.2 Lm/W

Color Rendering Index (CRI) = 82

0% Up 100% Down



ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0- 30	770	31.1
0- 40	1234	49.8
0- 60	2065	83.3
0- 90	2480	100.0
90- 180	0	0.0
0- 180	2480	100.0

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1018	1018	1018	1018	1018
5	1009	1010	1013	1019	1023
15	966	970	968	966	965
25	886	886	872	860	854
35	778	771	741	714	703
45	647	634	587	546	531
55	499	479	417	370	352
65	340	312	245	200	186
75	176	148	98	95	94
85	41	32	29	28	28
90	0	0	0	1	1

MLR3RG-MO-K35-LOH

Medium Output

LED Optimized High Transmittance Lens

Catalog Number: MLR3RG-MO-K35-80-4'-X-LOH-120

Report Number: #LLIA001168-003.ies

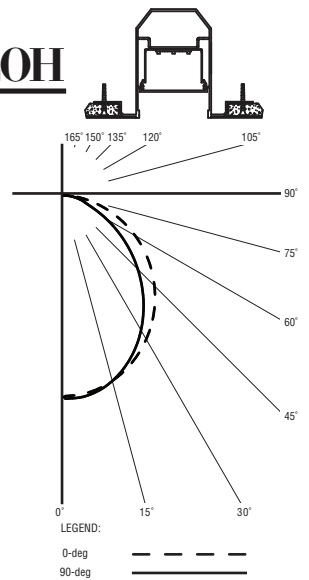
Luminaire Description: Extruded Aluminum Housing with White Aluminum Reflector and LED Optimized Acrylic Regress Lens

LED Module: Multiple White Low-Power Light Emitting Diodes (LEDs) in a precise lay-out.

Total Luminaire Efficacy = 98.5 Lm/W

Color Rendering Index (CRI) = 82

0% Up 100% Down



ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0- 30	479	31.1
0- 40	767	49.8
0- 60	1284	83.3
0- 90	1542	100.0
90- 180	0	0.0
0- 180	1542	100.0

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	634	634	634	634	634
5	628	628	630	634	636
15	601	603	602	601	601
25	551	551	542	535	531
35	484	480	461	444	437
45	402	394	365	340	330
55	310	297	259	230	219
65	211	194	152	124	115
75	109	92	61	59	58
85	25	20	18	18	17
90	0	0	0	0	0

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



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Made in America