



MicroLux Series - Grand Cube | MCRL-GC-DI

Date

Notes

Project

Type

Qty

1.5" x 1.5"

MicroSpot

25° Vertical Spot
35° Vertical Spot
45° Vertical Spot

Precision Optics
UGR < 12

MicroBaffle

Cross Baffle
Lambertian
Batwing - 120° & 150°
Beam - 40° & 70°
Asymmetric - 30° to 60°

Extruded aluminum housing
Custom Finishes (RAL)

Flush Lens

Lambertian
Batwing - 120° & 150°
Beam - 40° & 70°
Asymmetric - 30° to 60°

Light Shaping Lenses

Regeressed Lens

Lambertian
Batwing - 120° & 150°
Beam - 40° & 70°
Asymmetric - 30° to 60°

MicroLux is designed for maximum performance at minimal scale with an array of useful and decorative optical and LED options suited to a host a multitude of architectural and commercial interior applications.



Distribution



Optics

MicroSpot
MicroBaffle
Flush Lens
Regressed Lens

Lumens

1000L/ft Direct
1000L/ft Indirect

Mounting

Suspended
Surface Ceiling

LEDs

Static White
Tunable White
Dim-to-Warm
Bios SkyBlue
RGB
RGBW

Drivers

0-10V
DALI
DMX
Lutron
ELV
SR

Options

EM Battery
EM Circuit
Sensors (remote)
Wireless Control



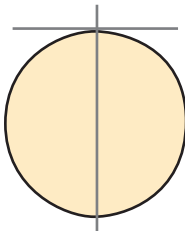
Ordering Guide

MODEL	OPTICS - DIRECT	OPTICS - INDIRECT	STATIC WHITE	TUNABLE WHITE & DIM-TO-WARM	RGB/W	BIOS SKYBLUE
MCRL-GC-DI						
MCRL-GC-DI Direct Indirect	<i>Optics - Direct details page 3.</i> LENSES FL = Flush RL = Regressed DL = Drop Lens X" BFW = Baffle White BFB = Baffle Black DISTRIBUTION (add) LB = Lambertian NB = Narrow Beam 40° MB = Medium Beam 70° BW6 = Batwing 60° BW7 = Batwing 70° AS3 = Asymmetric 30° @ 10° Tilt AS4 = Asymmetric 40° @ 15° Tilt Enter Optics as: XXX(Lens)/XXX(Dist) RLNB = Regressed Lens/ Narrow Beam RO25 = Round 25° RO35 = Round 35° RO45 = Round 45° Add W or B suffix for White or Black: R25B = Round 25° Balck Spot.	<i>Optics - Indirect details page 3.</i> LENSES LBC = Lambertian Clear LBF = Lambertian Frost BW12 = Batwing 120° BW15 = Batwing 150° AS4 = Asymmetric 45° @ 60° Tilt AS6 = Asymmetric 60° @ 40° Tilt STATIC WHITE 80 CRI 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K 90 CRI 927 = 2700K 930 = 3000K 935 = 3500K 940 = 4000K 950 = 5000K 92/95/98 CRI Consult Factory	NA = Not Applicable STATIC WHITE 80 CRI 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K 90 CRI 927 = 2700K 930 = 3000K 935 = 3500K 940 = 4000K 950 = 5000K 92/95/98 CRI Consult Factory	NA = Not Applicable TUNABLE TWO CHANNEL Fixed Range 2700K-6500K, 80 CRI 2DIM10 = for 0-10V 2DMX = for DMX 2ESN = for Philips 2CAS = for Casambi 2LUT = for Lutron TUNABLE THREE CHANNEL* Factory Programmable Custom CCT Range* 1800K-6500K, 92 CRI 3DIM10 = for 0-10V DIM-TO-WARM TWO CHANNEL Fixed Range CCT 2700K-6500K 80/90 CRI 2DTW = DTW 80 CRI 92DTW = DTW 90 CRI DIM-TO-WARM THREE CHANNEL* Factory Programmable Custom CCT Range* 1800K-6500K, 92 CRI 3DIM10 = DTW 92 CRI *Enter Custom Range: XX/XX = XX Range 18/65 = 18K-65K 22/54 = 22K-54K	NA = Not Applicable RGB/WHITE 80 CRI (WHITE) RGB = RGB RGB27 = RGB/27K RGB30 = RGB/30K RGB35 = RGB/35K RGB40 = RGB/40K RGB50 = RGB/50K RGBWW = RGBW 90 CRI (WHITE) RGB = RGB RGB927 = RGB/27K RGB930 = RGB/30K RGB935 = RGB/35K RGB940 = RGB/40K RGB950 = RGB/50K RGB9WW = RGBWW SINGAL COLORS R = Red G = Green B = Blue A = Amber	NA = Not Applicable BIOS BIOLOGICAL STATIC WHITE B27 = 2700K B30 = 3000K B35 = 3500K B40 = 4000K B50 = 5000K BIOS BIOLOGICAL DYNAMIC WHITE (DIM-TO-WARM) B30D = 3000K-2700K B35D = 3500K-3000K B40D = 4000K-3500K BIOS BIOLOGICAL TUNABLE WHITE B30T = 3000K-2700K B35T = 3500K-2700K B40T = 4000K-3500K <i>BIOS SKYBLUE available in 80 CRI only.</i>

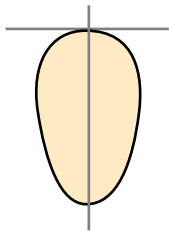
LUMENS DIRECT	LUMENS INDIRECT	MOUNTING	LENGTH	FINISH	DRIVER / EMERGENCY/ WIRING	SENSORS & CONTROLS
STANDARD w/FL/LB Lens. See Page 3 for other optics. LO = 600/ft 5.0W/ft 119LPW SO = 800/ft 6.7W/ft 119LPW HO = 1000/ft 8.4W/ft 140LPW CUSTOM Enter < 1000L/ft	STANDARD w/LB Lens. See Page 3 for other optics. LO = 600/ft 5.0W/ft 119LPW SO = 800/ft 6.7W/ft 119LPW HO = 1000/ft 8.4W/ft 140LPW CUSTOM Enter < 1000L/ft	PSW = Powered Suspension (White/White canopies) PSB = Powered Suspension (Black/Black Canopies) PSG = Powered Suspension (Gray/White Canopies)	2 = 2 ft 3 = 3 ft 4 = 4 ft 5 = 5 ft 6 = 6 ft 7 = 7 ft 8 = 8 ft <i>For rows enter length in feet.</i> P = Pattern <i>For Patterns please provide a dimensioned drawing.</i> <i>Day-O-Lite will provide factory drawings for approval.</i>	WH = White CC = Custom Color (RAL#) AM = Anti-Microbial White	DRIVERS <i>All drivers remote mount only except standard DIM10.</i> DIM10 = 0-10V (1%) DTO = 0-10V (Dim-to-Off) DIMST = 0-10V Step Dimming DIMSRL = DALI Sensor Ready (5.0%) DALI = DALI (5.0%) DMX = DMX LUTRON™ LDE1 = Hi-Lume 1% EcoSystem LD2 = Digital 1% (DALI-2) L3DA3W = Hi-Lume 1% 3-Wire EMERGENCY⁵ <i>Remote mount only.</i> EMC = Emergency Circuit GRD = Generator Transfer Device EPC4 = 4W Emergency Battery EPC6 = 6.5W Emergency Battery EPC10 = 10W Emergency Battery WIRING TCW = Two Circuit Wiring FWH = Flexible Wiring Harness	SENSORS - OCC/DAY <i>Remote mount only.</i> AVO = Avi-O BNV = BubblyNet LEG = Legrand ANWS = Lutron Athena VIVE = Lutron Vive NLT = Acuity nLight NXC = Current NX ESN = Philips EasySense INT = Philips Interact WWL = Cooper WaveLinx WIRELESS CONTROL <i>Remote mount only.</i> AVN = Avi-On Node ANWR = Lutron Athena CAS = Casambi

Direct Optics

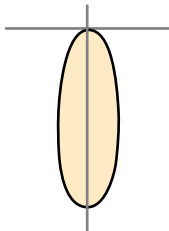
LB: Lambertian



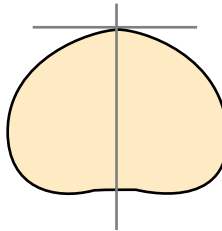
MB: Medium Beam 70°



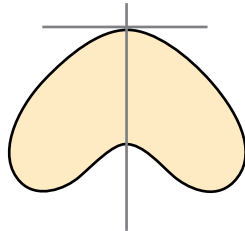
NB: Narrow Beam 40°



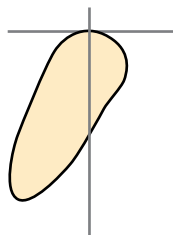
BW7: Batwing 70°



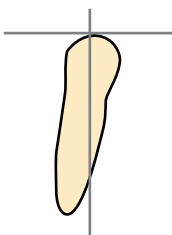
BW6: Batwing 60°



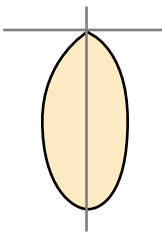
AS4: Asymmetric
40° @ 15° Tilt



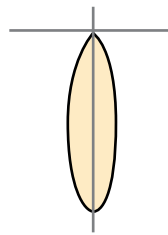
AS3: Asymmetric
30° @ 10° Tilt



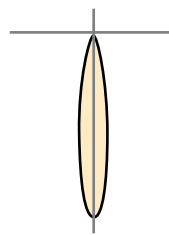
S45: MicroSpot 45°



S35: MicroSpot 35°

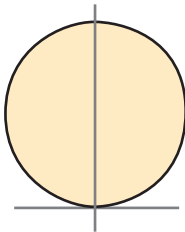


S25: MicroSpot 25°

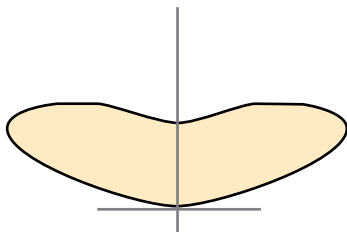


Indirect Optics

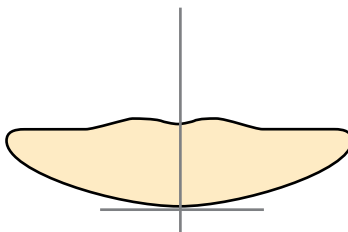
LB: Lambertian



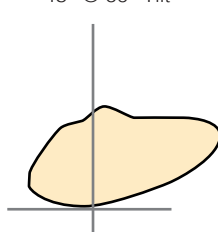
BW12: Batwing 120°



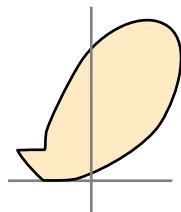
BW15: Batwing 150°



AS4: Asymmetric
45° @ 60° Tilt



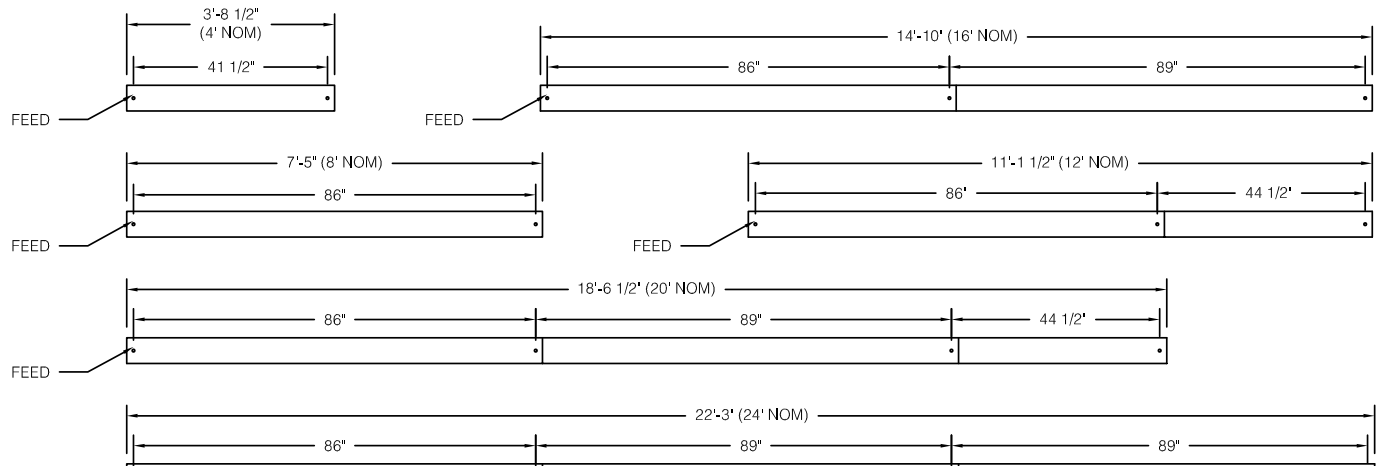
AS6: Asymmetric
60° @ 40° Tilt



Individual Fixtures & Continuous Rows

NOMINAL LENGTH	ACTUAL LENGTH	SUSP. 1 O.C.	SUSP. 2 O.C.	SUSP. 3 O.C.
4'	4' 2"	4'		
8'	8' 2"	8'		
12'	12' 2"	8'	4'	
16'	16' 2"	8'	8'	
20'	20' 2"	8'	8'	4'
24'	24' 2"	8'	8'	8'

Power feed and suspension locations shown below. Continuous rows longer than 8' including EPC/EMC and sensor locations must be approved prior to manufacturing.



Emergency Locations

EPC will control entire length of individual fixtures. Individual fixtures of differing lengths will deliver the same lumens under EPC power (a 4' fixture will deliver the same total lumens over half the length of an 8' fixture). EMC controlled individual fixtures will deliver lumens per foot as originally specified, unless dimmed at time of power loss. Consult factory for EMC dimming override device.

4' Individual



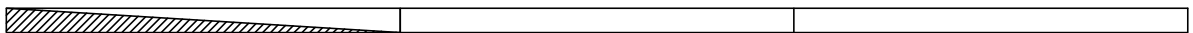
- All EPC remote mount only -

8' Individual



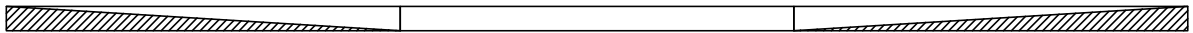
For individual fixtures to 8' EPC/EMC will power entire fixture.

24' Row (3x8')



For continuous rows longer than 8' one EPC/EMC will be located in the feed section (end-left) of the row as shown below.

24' Row (3x8')



If two EPC/EMC's are required their default locations will be in the feed section (end-left) and last section (end-right) as below.

24' Row (3x8')



Custom placement of one or more EPC/EMC's must be clearly identified during ordering.

Sensors

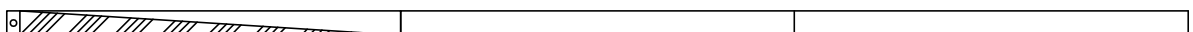
8' Individual



- All Sensors remote mount only -

SENSORS for individual fixtures will control entire length of fixture and will be located on feed end of fixture.

24' Row (3x8')



SENSORS for rows will control the feed section (end-left) of the row. Sensors can control more than an 8' section within a row. Consult factory for sensor/section options, or for multiple sensors in a continuous row.

Specifications

CONSTRUCTION: Extruded aluminum housing. 20 gauge cold rolled steel internal components.

REFLECTOR: Highly reflective baked white enamel with pre-finished reflective LED tray.

OPTICS: Flush and Regressed Lambertian, batwing, and asymmetric acrylic lens; and Spot optics in wide, medium and narrow beam. Cross-blade baffles also available (w/regressed lens).

LED: Static white LED modules in 27/30/35/40 & 50K CCT, 80/90CRI. Lumen maintenance minimum L_{70} = 50,000 hours. 3 SDCM color consistency. BIOS SkyBlue, RGB, RGBW, Tunable White and Dim-to-Warm options available; field replaceable.

DRIVER: Standard remote driver is Class 2 AOC 0-10V to 1%, Dim-to-Off available. 120/277V input, PF > 90%, THD < 20 @ 120V. DMX, DALI & Lutron protocols available. All drivers prewired for connection to control system (by others); field replaceable.

MOUNTING: Adjustable 1/8" self-locking powered suspension cables are standard. 5" power feed and 2" suspension canopies provided.

FINISH: Housing and components finished in baked white enamel. Canopies are white enamel unless otherwise specified.

CERTIFICATION: cETLus listed conforming to UL STD. 1598 and certified to CSA STD C22.2 NO. 250.0. Union Made in the United States of America. I.B.E.W., BAA compliant, Suitable for damp locations. Declare Red List Approved.

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Product Resources

IES Files



Install Guide



Bios Guide



DMX Guide



Wood Grain Finish



Brand Assets

USA, BAA, BABAA



Declare Labels



Sustainability Report



Terms & Conditions

Terms & Conditions



Warranty



LED L_{70} Lifetime

