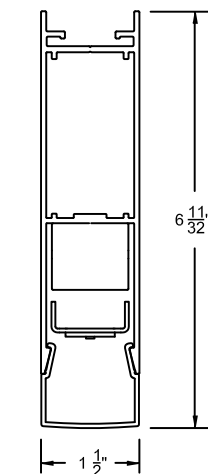


Revision Date: Aug 2014

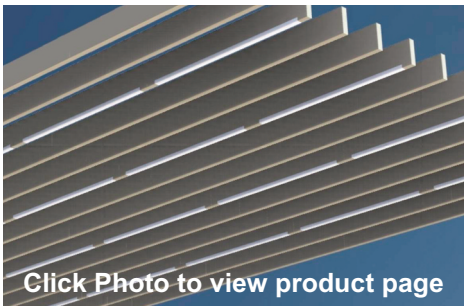


Because LED components continue to improve, click or scan QR code to view latest spec sheet.

CLICK FOR
FLUORESCENT
VERSION



LED Lamping



Page 2 Specifications

Page 3 Photometric / Lens Images

Page 5 Mounting Details

Hunter Douglas reserves the right to change details of fixture designs and construction at any time.

Product Overview (for complete specifications, see page 2)

Construction: For use in Hunter Douglas High Profile Series™ Baffle ceiling systems only. Extruded aluminum housing is available in one piece up to 20'. Continuous runs have hairline joints with no light leak. Runs of fixtures can be built to lengths matching field conditions, including complex runs.

Electrical: Lighting products are UL and cUL listed with quick electrical connectors and LED components by major manufacturers. Multiple dimming options available. Runs of fixtures are tested as a complete system prior to shipping.

Continuous Illumination: LED boards can be oriented to provide consistent illumination.

Optical: Lenses available in medium and heavy diffusion to provide varying degrees of output and reduced visibility of individual LEDs in 3D lens.

Finish/Color: High quality paint finish matches Hunter Douglas standard.

Mounting: For use in Hunter Douglas High Profile Series™ Baffle ceiling systems only. Standard suspension components are provided by Hunter Douglas. If required by local building code or structural engineer, supplemental suspension kit # GHDB-SSK can be obtained from Hunter Douglas. See page 5.

Standard Nomenclature

<div><div>Provider</div><div>Hunter Douglas</div></div>	<div><div>Cross Section (nom)</div><div>1" x 6"</div></div>	<div><div>Color Temp. (nom)</div><div>27 2700 K</div><div>30 3000 K</div><div>35 3500 K</div><div>40 4000 K</div><div>50 5000 K</div></div>	<div><div>Driver Options</div><div>DVR Static Driver</div><div>ZTVL 0-10v Dimming</div><div>HLAE Lutron Hi-Lume</div><div>A Series Dimming,</div><div>Ecosystem control</div><div>HLA3 Lutron Hi-Lume</div><div>A Series Dimming,</div><div>3-wire control</div></div>	<div><div>Mounting</div><div>Hunter Douglas Baffle</div><div>Ceiling Integration</div><div>(Standard suspension</div><div>components by Hunter</div><div>Douglas. Supplemental</div><div>suspension kit available.</div><div>See page 5.)</div></div>	<div><div>Paint Colors</div><div>NAT Gammalux</div><div>match of Hunter Douglas</div><div>Natural # 7163</div><div>COT Gammalux</div><div>match of Hunter Douglas</div><div>Cotton White # 0280</div></div>			
<div><div>GHD16R</div><div>No. of Boards</div><div>1</div></div>	<div><div>1</div><div>ISOLED35</div><div>Lamp Type</div><div>LED</div><div>Output</div><div>SO Standard</div><div>Output</div><div>HO High</div><div>Output</div></div>	<div><div>120V</div><div>Voltage</div><div>120, 277,</div><div>UNIV</div></div>	<div><div>DVR</div><div>Fixture Length</div><div>Up to 20' single-piece</div><div>housings available.</div><div>Specify continuous</div><div>runs in total length.</div></div>	<div><div>4'</div><div>Sheilding</div><div>ASLMD3D.8 Acrylic</div><div>Satin Lens</div><div>(Medium Diffuse) *</div><div>ASLHD3D.8 Acrylic</div><div>Satin Lens</div><div>(Heavy Diffuse) *</div></div>	<div><div>HDB</div><div>Options</div><div>DL UL Damp Label</div><div>EMERG Emergency ckt.</div><div>GLR Fuse w/holder</div><div>2CKT Dual Circuiting</div></div>	<div><div>ASLMD3D.8</div></div>	<div><div>NAT</div></div>	<div><div>XX</div></div>

* 3D lens protrudes from housing by .8".



Construction

Housing: Extruded aluminum body 1.5" wide x 6.35" high, 6063T5, 0.070" minimum thickness. Available in one piece, unbroken lengths up to 20'. Runs of fixtures are built to lengths matching exact field dimensions. Factory-engineered drawings indicate the location of each board in continuous runs.

Joiner System: Automatic alignment, no loose parts, one tool to tighten two factory installed bolts for hairline seam. No light leaks. Fixtures that are built for continuous runs are assembled into a complete run and tested for fit and finish at the factory prior to being individually packed and shipped.

Mounting: Shall be integrated with Hunter Douglas Baffle Ceiling System. Standard mounting components by Hunter Douglas. If required by local code or structural engineer, supplemental support kit # GHDB-SSK, containing two mounting brackets, may be obtained through Hunter Douglas (see page 5.)

Electrical

Driver: Osram OT50 Optotronic driver, wired for static operation, is default* (specify **DVR**). Osram OT50 Optotronic driver, wired for 0-10v dimming to 10% output, is default* (specify **ZTVL**). Dimming by Lutron Hi-Lume A series L3D driver (specify **HLAE** for Ecosystem control or **HLA3** for 3-wire control). RoSH compliant and UL listed wiring and components throughout. Housing wired with quick-connect plugs at all mating joints and individually tested. Fixtures that are built for continuous runs are assembled into a complete pattern and tested at the factory prior to being individually packed and shipped. All fixtures bear UL & cUL labels. LED components and specifications subject to change without notice.

* Subject to availability, may be substituted.

LED Boards: OSRAM SYLVANIA or equal constant current. Distributed array, high efficacy, 80 + CRI.

LED System Lifespan: Rated for 60,000 hours at 70% lumen output (L70). Life and output based on maximum ambient temperature of 25 degrees C. 5 year limited warranty on LED components with driver options **DVR** or **ZTVL** (3 year warranty with **HLA** driver options).

Technical Support

Although this product is sold as an integrated part of the Hunter Douglas Baffle Ceiling system, technical and lighting questions should be directed to Gammalux Lighting Systems. All sales inquiries should be directed to Hunter Douglas. **Click here** or call 1-800-366-4327 for contact and ceiling system information.

Optical Performance

Acrylic Satin Lens, Medium Diffuse: Shall be 15% DR acrylic (specify **ASLMD3D.8**).

Acrylic Satin Lens, Heavy Diffuse: Shall be 15% DR acrylic (specify **ASLHD3D.8**).

Performance: See charts for total lumens per foot delivered by each output and lens option.

ESTIMATED LUMENS PER FOOT DELIVERED BY LED COLOR AND 3D.8 LENS OPTION.											
STANDARD OUTPUT LED						HIGH OUTPUT LED					
LENS OPTIONS	2700 K	3000 K	3500 K*	4000 K	5000 K	LENS OPTIONS	2700 K	3000 K	3500 K*	4000 K	5000 K
ASLMD3D.8	589.4	627.8	640.6	666.2	629.0	ASLMD3D.8	785.8	837.0	854.1	888.3	905.3
ASLHD3D.8	512.3	545.7	556.8	579.1	590.2	ASLHD3D.8	683.0	727.6	742.4	772.1	786.9

To obscure LED image, Heavy Diffuse lens is recommended as first choice, then Medium Diffuse if additional output is necessary.

* IES files were created using 3500 K boards. Values were then adjusted by a factor of .92 for 2700K, .98 for 3000K, 1.04 for 4000K and 1.06 for 5000K boards.

Finish

Housing assembly is electrostatically sprayed with high solids aliphatic two component polyurethane to an average thickness of 2 mils. over acid etching primer. Matches Hunter Douglas standard.

Packing and Shipping

Fixtures built for continuous rows are given a specific location identifier, clearly identified on factory layout drawings provided to installing contractor. Location identifier is printed on the fixture's ID Label, protective wrapping and on each end of fixture carton. Shipping pallets are built with 2" clearance, extending beyond the length and width of cartons, providing shipping protection.

Approximate weight of 4' module is 11 lbs. including carton. Weight of shipping pallet and supplemental packing materials not factored in.

FIXTURE USES LENS ASLMD3D.8 (MEDIUM DIFFUSE) AND 3500 K BOARDS.*

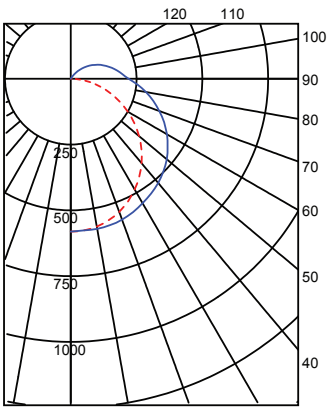
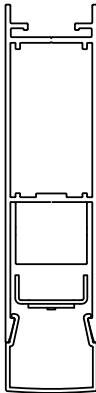
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ISSUE DATE: 04/17/14
TEST: ITL81306 MOD TO 2014 COMPONENTS & SO
TESTLAB: INDEPENDENT TESTING LABORATORIES, INC.
MANUFAC: GAMMALUX LIGHTING SYSTEMS
LUMCAT: GB13D-1SOLED35-120V-DVR-4'-C2'-ASLMD3D.8-WSG
LAMP: 73605 PLPG2-Lin-1100-835-280x19-DC @ 191mA

Summary Data

EFFICACY (Total): **90.2 LPW****
EFFICACY (Downlight): **90.2**
CIE CLASSIFICATION: DIRECT
LUMINOUS OPENING: RECTANGULAR
Width: 0.13 (Feet)
Length: 3.83
Height: 0.07
INPUT WATTS: 28.4



Acrylic Satin Lens,
Medium Diffuse
(ASLMD3D.8)



Quadrilaterally Symmetric
Dashed: 0 Degrees Solid: 90 Degrees

FIXTURE USES LENS ASLHD3D.8 (HEAVY DIFFUSE) AND 3500 K BOARDS.*

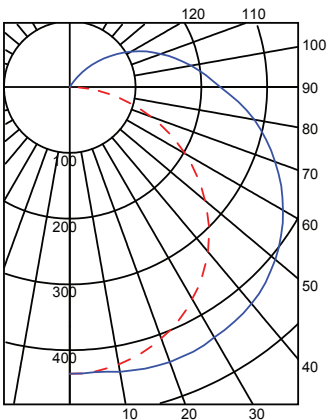
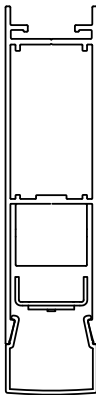
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ISSUE DATE: 04/21/14
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TESTLAB: INDEPENDENT TESTING LABORATORIES, INC.
MANUFAC: GAMMALUX LIGHTING SYSTEMS
LUMCAT: GB13D-1SOLED35-120V-DVR-4'-C2'-ASLHD3D.8-WSG
LAMP: 73605 PLPG2-Lin-1100-835-280x19-DC @ 191mA

Summary Data

EFFICACY (Total): **78.4 LPW****
EFFICACY (Downlight): **78.4**
CIE CLASSIFICATION: DIRECT
LUMINOUS OPENING: RECTANGULAR
Width: 0.13 (Feet)
Length: 3.83
Height: 0.07
INPUT WATTS: 28.4



Acrylic Satin Lens,
Heavy Diffuse
(ASLHD3D.8)



Quadrilaterally Symmetric
Dashed: 0 Degrees Solid: 90 Degrees

* See performance notes, page 2.

IES files were created using 3500 K boards. When using calculation programs, multiply lumen output or set correction factor to .92 for 2700K, .98 for 3000K, 1.04 for 4000K and 1.06 for 5000K boards. **Efficacy is a measure of lumens per watt, as delivered through the fixture aperture.

FIXTURE USES LENS ASLMD3D.8 (MEDIUM DIFFUSE) AND 3500 K BOARDS.*

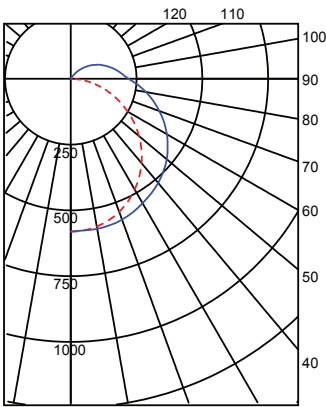
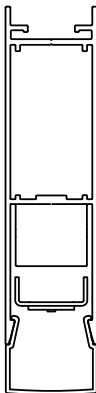
IESNA: LM 79-2008
ISSUE DATE: 04/17/14
TEST: ITL81306 MOD TO 2014 COMPONENTS
TESTLAB: INDEPENDENT TESTING LABORATORIES, INC.
MANUFAC: GAMMALUX LIGHTING SYSTEMS
LUMCAT: GB13D-1HOLED35-120V-DVR-4'-C2'-ASLMD3D.8-WSG
LAMP: 73605 PLPG2-Lin-1100-835-280x19-DC @ 255mA

Summary Data

EFFICACY (Total): **85.0 LPW****
EFFICACY (Downlight): **85.0**
CIE CLASSIFICATION: DIRECT
LUMINOUS OPENING: RECTANGULAR
Width: 0.13 (Feet)
Length: 3.83
Height: 0.07
INPUT WATTS: 40.2



Acrylic Satin Lens,
Medium Diffuse
(ASLMD3D.8)



Quadrilaterally Symmetric
Dashed: 0 Degrees Solid: 90 Degrees

FIXTURE USES LENS ASLHD3D.8 (HEAVY DIFFUSE) AND 3500 K BOARDS.*

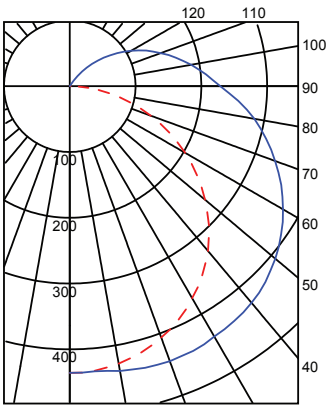
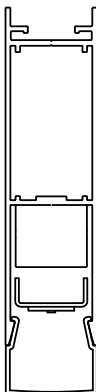
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ISSUE DATE: 04/21/14
TEST: ITL81307 MOD TO 2014 COMPONENTS
TESTLAB: INDEPENDENT TESTING LABORATORIES, INC.
MANUFAC: GAMMALUX LIGHTING SYSTEMS
LUMCAT: GB13D-1HOLED35-120V-DVR-4'-C2'-ASLHD3D.8-WSG
LAMP: 73605 PLPG2-Lin-1100-835-280x19-DC @ 255mA

Summary Data

EFFICACY (Total): **73.9 LPW****
EFFICACY (Downlight): **73.9**
CIE CLASSIFICATION: DIRECT
LUMINOUS OPENING: RECTANGULAR
Width: 0.13 (Feet)
Length: 3.83
Height: 0.07
INPUT WATTS: 40.2



Acrylic Satin Lens,
Heavy Diffuse
(ASLHD3D.8)



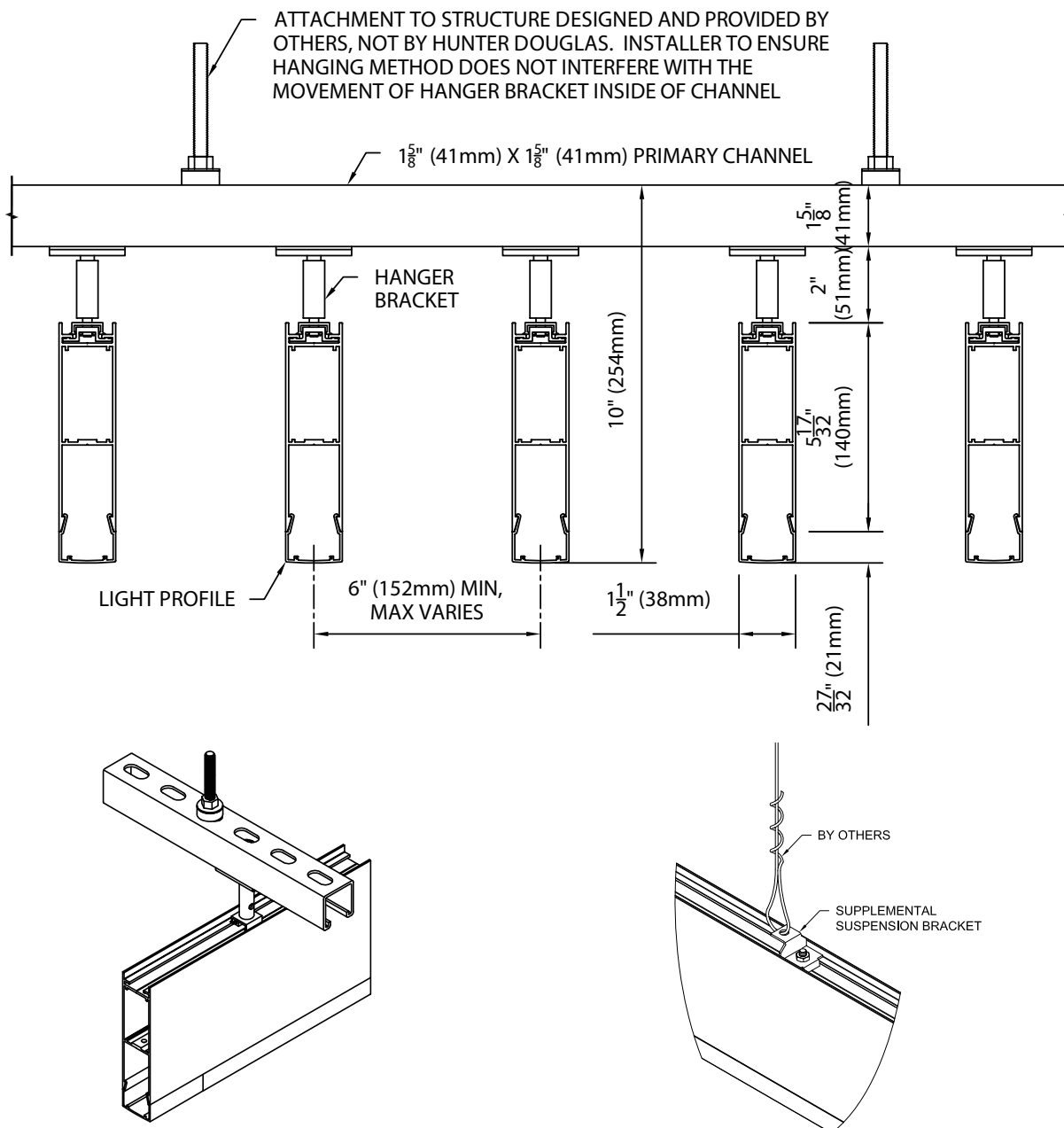
Quadrilaterally Symmetric
Dashed: 0 Degrees Solid: 90 Degrees

* See performance notes, page 2.

IES files were created using 3500 K boards. When using calculation programs, multiply lumen output or set correction factor to .92 for 2700K, .98 for 3000K, 1.04 for 4000K and 1.06 for 5000K boards. **Efficacy is a measure of lumens per watt, as delivered through the fixture aperture.

Mounting Details

Factory Drawings: Fully dimensioned factory drawings will be provided upon receipt of purchase order.



GHD16R fixtures are intended to be installed with the same methodology as the Hunter Douglas Baffle Ceiling System in which they are integrated.

If required by local building code or structural engineer, part # GHDB-SSK, containing two supplemental support brackets, may be ordered from Hunter Douglas.