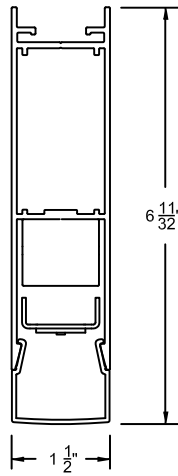


Revision Date: Feb 2017



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



LED Lamping



Page 2 Specifications  
Page 4-5 Photometric / Lens Images  
Page 6 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' with just two points of suspension. Continuous runs have hairline joints with no light leak. Runs of fixtures can be built to match field conditions, including patterns.

**Electrical:** LED components by major manufacturers. Fixtures can be fitted with control interface devices and specialty LED components (consult factory). Standard Output, High Output and Custom-Programmed Output options available.

**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**

<p><b>Provider</b> Hunter Douglas</p> <p><b>Cross Section (nom)</b> 1" x 6"</p> <p><b>Shape</b> Rectangular</p>	<p><b>Output</b> S Standard Output H High Output (If RGB, select H) C Custom-Programmed Output</p> <p><b>Color Temp. (nom)</b> 27 2700 K    50 5000 K 30 3000 K    RGB (select 35 3500 K    output code H) * 40 4000 K</p>	<p><b>Driver Options</b> DVR Static Driver For Dimming Options, See pg 2</p>	<p><b>Mounting Method</b> Hunter Douglas Baffle Ceiling Integration (Standard suspension components by Hunter Douglas. Supplemental suspension kit available. See page 6.)</p>	<p><b>Paint Colors</b> NAT Gammalux match of Hunter Douglas Natural #7163 COT10 Gammalux match of Hunter Douglas Cotton White #0280</p>				
<b>GHD16R</b>	<b>1SL358</b>	<b>120V</b>	<b>DVR</b>	<b>4' N</b>	<b>HDB</b>	<b>ASLMD3D.8</b>	<b>NAT</b>	<b>XX</b>
LED Arrays in X-Sec 1	CRI ** 8 for 80+ 9 for 90+ Lamp Type LED	Voltage 120, 277, UNIV	Fixture Length Up to 12' single-piece housings available.	Length Option N Nominal length S Specific length	Shielding *** ASLMD3D.8 Acrylic Satin Lens (Medium Diffuse) ASLHD3D.8 Acrylic Satin Lens (Heavy Diffuse)	Options DL UL Damp Label EMERG Emergency ckt.		

\* RGB must be High Output and controlled by DMX driver option.

\*\* 90+ CRI option reduces efficacy by nom. 10%.

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



**Electrical**

**Output:** Standard (S) and high (H) options deliver a pre-set lumen package through the fixture shiielding (see chart below). Custom-programmed output (C) is specified as 50-99% of the high output lumen or watts-per-foot value (restrictions apply).

**Static Driver:** Osram Optotronic\* programmable driver, wired for static operation (DVR).

**0-10V Dimming:** Osram Optotronic\* programmable driver, wired for 0-10v control and dimming to 10% (ZTV10) or to 1% (ZTV1).

**Step Dimming:** Generic step dimming driver, two hot inputs for 100% and 50% output (SD2).

**DMX Dimming:** Generic DMX driver with three loose control wires exiting fixture at power feed location (DMX).

**DALI Dimming:** Generic DALI driver with two loose control wires exiting fixture at power feed location (DALI).

**Lutron Dimming:** Hi-Lume 1% via EcoSystem control (LAE). Hi-Lume 1% via 3-wire control (LA3W). Hi-Lume 1% EcoSystem with Soft-On, Fade-to-Black (LDE1). 5-Series EcoSystem (LDE5).

**Eldoled Dimming:** SOLOdrive .1% via 0-10v control (SLZTV). SOLOdrive .1% via DALI control (SLDALI). ECOdrive .1% via 0-10v control (ECZTV). ECOdrive .1% via DALI control (ECDALI). LINEARdrive .1% via DMX control (LINDMX).

**White Emitter\*:** Nichia 757G emitters binned within 3 MacAdam ellipses in Osram PrevaLED Linear or Gammalux proprietary array. 90+ CRI option (CRI code 9) results in nom. 10% drop in efficacy; reduce calculated lumens by approximately 10%

**RGB:** Uses two rows of Osram 72618\*. RGB with all channels at full output consumes approximately 11 watts per foot.

- Red channel at full output will provide approximately the same # of lumens compared to our 3,500K white at High Output.

- Green channel at full output will provide approximately 171% of lumens compared to our 3,500K white at High Output.

- Blue channel at full output will provide approximately 35% of lumens compared to our 3,500K white at High Output.

**Battery Pack:** Integral Bodine BSL310LP\*. 4W max input. 10W initial output.

**LED System:** 70% lumen output (L70) at max 55 degrees C reported at >60k hours. Fixtures are shipped with anti-static gloves to minimize the risk of damage to LEDs during installation. 5 year limited warranty.

**Upgrade Capability:** LED assemblies can be replaced in the future with the latest factory-provided and fully warranted components. On-board sensors, control interface devices and alternate LED components may be specified (consult factory). Max driver cross section 1.0" x 1.2". Fixtures bear UL & cUL Dry Location label. Damp Location label available (DL).

\*Subject to availability; may be substituted by Gammalux.

ESTIMATED LUMENS PER FOOT DELIVERED BY WHITE LEDS AND 3D 8 LENS (@ 80+ CRI)

STANDARD OUTPUT 6.35 WPF (nom)						HIGH OUTPUT 9.4 WPF (nom)					
OPTIONS	2700 K	3000 K	3500 K*	4000 K	5000 K	OPTIONS	2700 K	3000 K	3500 K*	4000 K	5000 K
ASLMD3D.8	442.4	471.2	480.9	500.1	509.7	ASLMD3D.8	590.1	628.4	641.3	666.9	679.8
ASLHD3D.8	351.9	374.9	382.6	397.9	405.5	ASLHD3D.8	469.3	499.9	510.2	490.5	540.8

Consult factory for options on custom output or wattage consumption. \*IES files were created using 3500K 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.

**Construction**

**Housing:** Extruded aluminum body 1.5" wide x 6.35" high, 6063T5, 0.070" min thickness. In continuous runs, each housing is 12' max unless previously coordinated with the factory, up to 20' in a single piece. All fixtures are built per approved factory drawings and tested as a complete system at the factory. Fixtures ordered as individuals cannot be joined together in the field.

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

**Lamping:** Runs built to Specific Length (Length Option S) require special lamping components to create consistent illumination and may have a higher than normal price per foot. Runs built to Nominal Length (Option N) may be length-adjusted at the factory to use standard lamping components. Factory drawings will show all dimensions for approval prior to production.

**Mounting:** Aircraft cable is 7x7 stranded stainless steel with stopper fitting at the top end. Lower end strands are welded and ground for easy insertion into adjustable cable gripper (C). Feed cord is straight, white 3/C SVT or SJT #18 AWG.



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**Opticle**

**Acrylic Satin Lens, Medium Diffuse:** Snap-in. Shall be 15% DR acrylic (**ASLMD**).

**Acrylic Satin Lens, Heavy Diffuse:** Snap-in. Shall be 15% DR acrylic (**ASLHD**).

See lens images on pages 4 and 5.

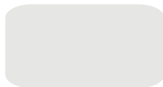
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**Finish**

Housing is electrostatically sprayed with high solids aliphatic two component polyurethane to an average thickness of 2 mils. over acid etching primer or commercial clear anodizing. **NAT** Gammalux match of Hunter Douglas Natural #7163, **COT10** Gammalux match of Hunter Douglas Cotton White #0280



**NAT**



**COT10**

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**Packing and Shipping**

Fixtures built for continuous rows and patterns 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.

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

**FIXTURE USES LENS ASLMD3D.8 (MEDIUM DIFFUSE) AND 3500 K BOARDS @ 80+ CRI**

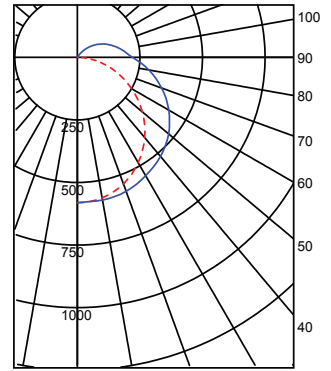
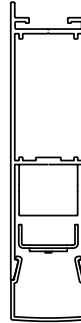
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ISSUE DATE: 04/17/14  
TEST: ITL81306 MOD TO 2014 COMP & SO  
TESTLAB: ITL, INC.  
MANUFAC: GAMMALUX LIGHTING SYSTEMS  
LUMCAT: GB16D-1SOLED35-ASLMD3D.8  
LAMPS: 73605 PLPG2-Lin-1100-835-280x19-DC

EFFICACY (Total): 100.8 LPW  
DISTRIBUTION % UP: 13%  
DISTRIBUTION % DOWN: 86%  
CIE CLASSIFICATION: DIRECT

LUMINOUS OPENING: RECTANGULAR  
Width: 0.13 (Feet)  
Length: 3.83  
Height: 0.07  
INPUT WATTS: 25.4



Acrylic Satin Lens,  
Medium Diffuse  
(ASLMD3D.8)



Quadralaterally Symmetric  
Dashed: 0 Degrees Solid: 90 Degrees



**FIXTURE USES LENS ASLHD3D.8 (HEAVY DIFFUSE) AND 3500 K BOARDS @ 80+ CRI**

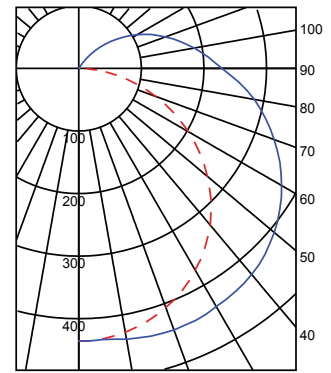
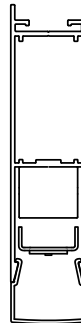
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TEST: ITL81307 MOD TO 2014 COMP & SO  
TESTLAB: ITL, INC.  
MANUFAC: GAMMALUX LIGHTING SYSTEMS  
LUMCAT: GB16D-1SOLED35-ASLHD3D.8  
LAMPS: 73605 PLPG2-Lin-1100-835-280x19-DC

EFFICACY (Total): 87.7 LPW  
DISTRIBUTION % UP: 15%  
DISTRIBUTION % DOWN: 84%  
CIE CLASSIFICATION: DIRECT

LUMINOUS OPENING: RECTANGULAR  
Width: 0.13 (Feet)  
Length: 3.83  
Height: 0.07  
INPUT WATTS: 25.4



Acrylic Satin Lens,  
Heavy Diffuse  
(ASLHD3D.8)



Quadralaterally 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 @ 80+ CRI**

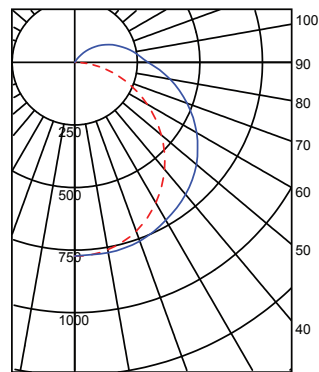
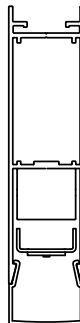
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TESTLAB: ITL, INC.  
MANUFAC: GAMMALUX LIGHTING SYSTEMS  
LUMCAT: GB16D-1HOLED35-ASLMD3D.8  
LAMPS: 73605 PLPG2-Lin-1100-835-280x19-DC

EFFICACY (Total): 90.9 LPW  
DISTRIBUTION % UP: 15%  
DISTRIBUTION % DOWN: 86%  
CIE CLASSIFICATION: DIRECT

LUMINOUS OPENING: RECTANGULAR  
Width: 0.13 (Feet)  
Length: 3.83  
Height: 0.07  
INPUT WATTS: 37.6



Acrylic Satin Lens,  
Medium Diffuse  
(ASLMD3D.8)



Quadralaterally Symmetric  
Dashed: 0 Degrees Solid: 90 Degrees

**FIXTURE USES LENS ASLHD3D.8 (HEAVY DIFFUSE) AND 3500 K BOARDS @ 80+ CRI**

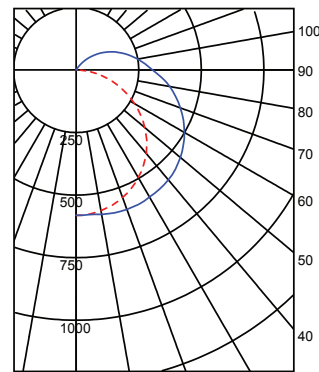
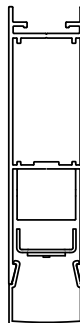
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ISSUE DATE: 04/21/14  
TEST: ITL81307 MOD TO 2014 COMP  
TESTLAB: ITL, INC.  
MANUFAC: GAMMALUX LIGHTING SYSTEMS  
LUMCAT: GB16D-1HOLED35-ASLHD3D.8  
LAMPS: 73605 PLPG2-Lin-1100-835-280x19-DC

EFFICACY (Total): 79.0 LPW  
DISTRIBUTION % UP: 15%  
DISTRIBUTION % DOWN: 84%  
CIE CLASSIFICATION: DIRECT

LUMINOUS OPENING: RECTANGULAR  
Width: 0.13 (Feet)  
Length: 3.83  
Height: 0.07  
INPUT WATTS: 37.6



Acrylic Satin Lens,  
Heavy Diffuse  
(ASLHD3D.8)



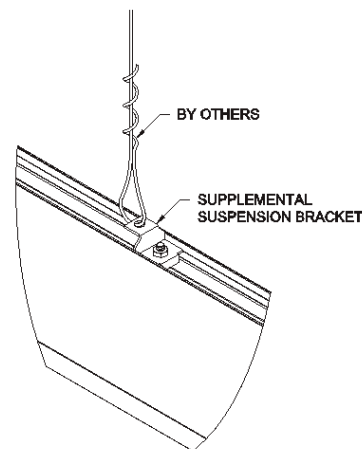
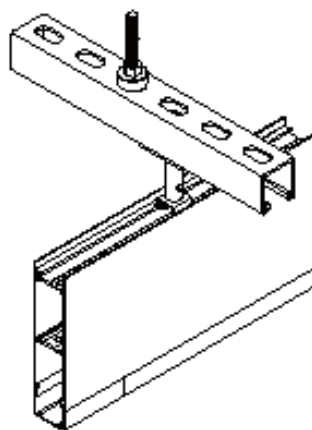
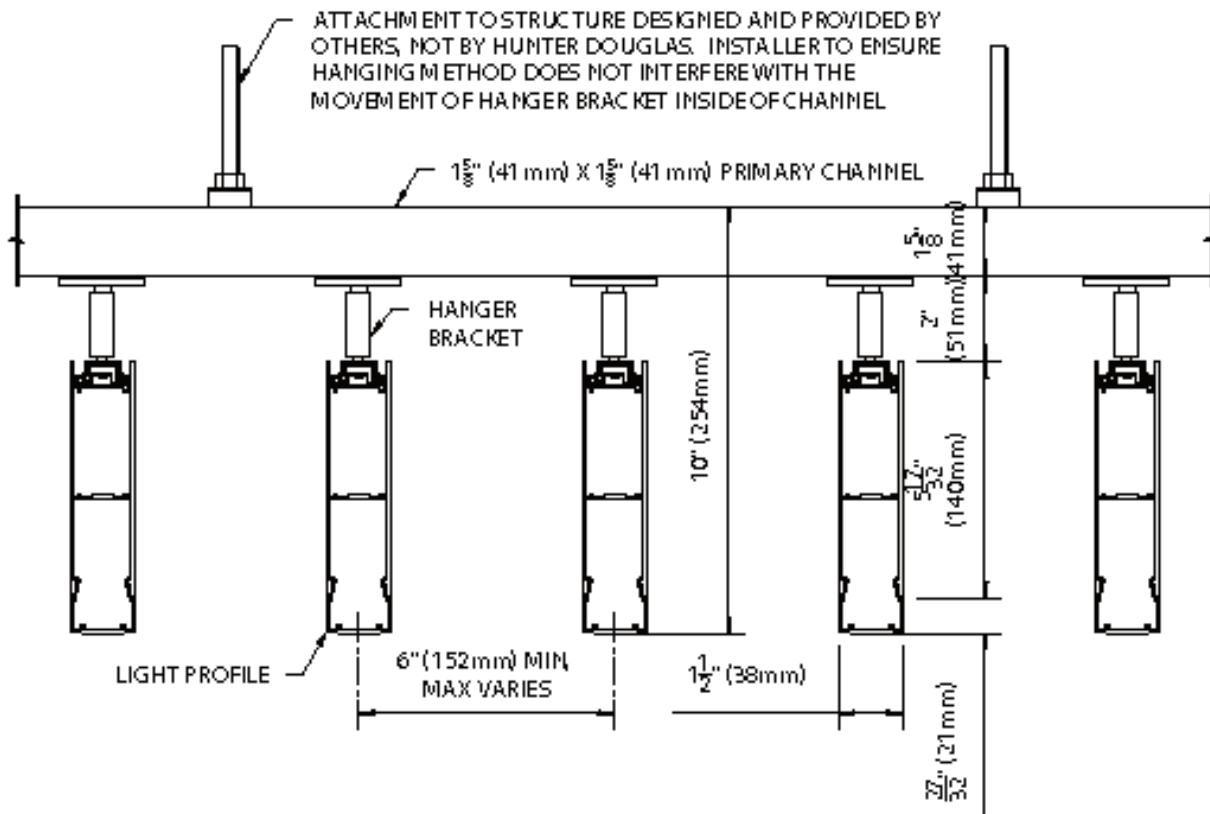
Quadralaterally Symmetric  
Dashed: 0 Degrees Solid: 90 Degrees

\* 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.