HunterDouglasContract

GHD16R-LENS3D
General Illumination
Direct Distribution with 3D Lens

Revision Date: Aug 2014

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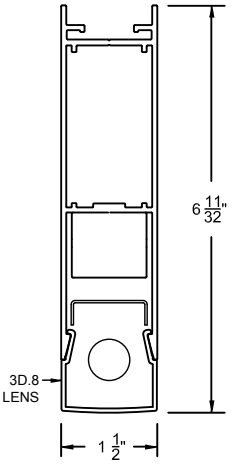
CLICK FOR LED VERSION



Fluorescent Lamping

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 ballasts by major manufacturers. Multiple dimming options available. Runs of fixtures are tested as a complete system prior to shipping.

Optical: Three snap-in lens versions are offered to allow for greater glare control or increased fixture efficiency.

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

Packing and Shipping: Our packing, labeling and shipping systems ensure products arrive safely, ready to install.

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 4.

Standard Nomenclature

Provider
Hunter **D**ouglas

Cross Section (nom)
1" x **6**"

Shape
Rectangular

Nominal Lamp Watts
28 (4'-T5)
54 (4'-T5HO)

Ballast Option
ERS Electronic Rapid Start <10% THD See dimming ballast codes on page 2.

Mounting Method
Hunter **D**ouglas **B**affle Ceiling Integration (Standard suspension components by Hunter Douglas. Supplemental suspension kit available. See page 4.)

Paint Colors
NAT Gammalux match of Hunter Douglas **Nat**ural # 7163
COT Gammalux match of Hunter Douglas **Cot**ton White # 0280

GHD16R – 128T5 – 120V – ERS – 20' – HDB – ASL3D.8 – NAT – XX

No. of Lamps
1

Lamp Type
T5
T5HO

Voltage
120, 277, UNIV

Fixture Length
Up to **20'** single-piece housings available. Specify continuous runs in total length.

Sheilding*
ASL3D.8 Acrylic Satin Lens
APL3D.8 Acrylic clear Lineal Prismatic Lens
ACL3D.8 Acrylic Coextruded Lens

Options
BPE Battery Pack EM. Kit
DL UL Damp Label
EMERG Emergency ckt.
GLR Fuse w/holder
2CKT Dual Circuiting

*3D lens protrudes from housing by .8". Lamp is visible through clear APL3D.8 and ACL3D.8 lenses. See page 4.

c UL US LISTED MADE IN U.S.A.

Specifications

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.

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 4.)

Electrical

Static Ballast: OSRAM SYLVANIA or equal Electronic Rapid Start ballast with less than 10% THD is standard (specify **ERS**). Additional ballast options are available.

Dimming Ballast: (use one of the following codes in place of **ERS** in the catalog #):
0-10v dimming by Advance Mark 7 is default* (specify **ZTVF**).
Two-wire line voltage dimming by Advance Mark 10 is default* (specify **TWR**).
Dimming by generic DALI ballast (specify **DALI**).
Dimming by Lutron EcoSystem, wired for EcoSystem control (specify **ECDE**).
Dimming by Lutron EcoSystem, wired for 3-Wire control (specify **ECD3**).
Dimming by Lutron EcoSystem H Series (specify **ECH**).
Dimming by Lutron Hi-Lume 3D, wired for EcoSystem control (specify **H3DE**).
Dimming by Lutron Hi-Lume 3D, wired for 3-Wire control (specify **H3D3**).
Step Dimming availability is contingent upon multiple factors. Consult factory (specify **SDIM**).

* Subject to availability, may be substituted.

UL listed wiring and components throughout. Housing wired with quick-connect plugs at all mating joints and individually tested. Max ballast cross section size 1.0” x 1.2”. Fixtures that are built for continuous runs are assembled into a complete run and tested with lamps at the factory prior to being individually packed and shipped. All fixtures bear UL & cUL Dry Location labels. Damp Location labels are available (specify **DL** in the options field).

Technical Suport

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: Satin white snap-in lens shall be 15% DR acrylic (specify **ASL3D.8**).

Acrylic Prismatic Lens: Clear acrylic snap-in lens includes linear micro prism. Shall be 15% DR (specify **APL3D.8**).

Acrylic Coextruded Lens: Snap-in lens is a co-extruded combination of APL for maximum output down and ASL for glare reduction to the sides (specify **ACL3D.8**).

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 10 lbs. including carton. Weight of shipping pallet and supplemental packing materials not factored in.

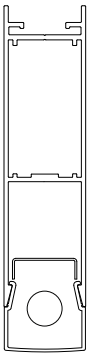
Photometric Reports

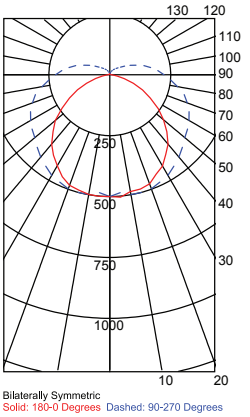
Fixture with ASL3D.8 shielding

IESNA: LM-63-2002
ISSUEDATE: 12/29/11
TEST: GB16D1T5ASL.ies
TESTLAB: photopia 3.2.6 see: www.ltioptics.com/ies
MANUFAC: GAMMALUX LIGHTING SYSTEMS
LUMCAT: GB16D-128T5-ASL3D.8
LAMPS: 1 FLUOR 28W 4' SILHOUETTE T5

Summary Data

EFFICIENCY (Total):	**76.9%**
EFFICIENCY (Downlight):	**65.6%**
EFFICIENCY (Uplight):	**11.3%**
CIE CLASSIFICATION:	SEMI-DIRECT
LUMENS/LAMP:	2900
NO. OF LAMPS:	1
LUMINOUS OPENING:	RECTANGULAR
Width:	0.13 (Feet)
Length:	3.83
Height:	0.31
INPUT WATTS:	31



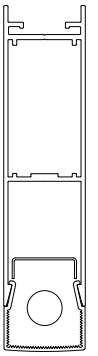


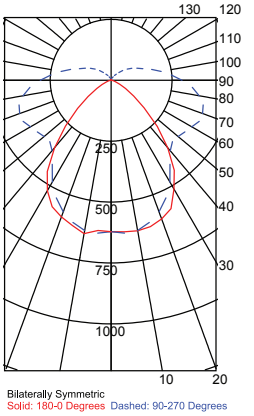
Fixture with APL3D.8 shielding

IESNA: LM-63-2002
ISSUEDATE: 12/29/11
TEST: GB16D1T5APL.ies
TESTLAB: photopia 3.2.6 see: www.ltioptics.com/ies
MANUFAC: GAMMALUX LIGHTING SYSTEMS
LUMCAT: GB16D-128T5-APL3D.8
LAMPS: 1 FLUOR 28W 4' SILHOUETTE T5

Summary Data

EFFICIENCY (Total):	**71.5%**
EFFICIENCY (Downlight):	**59.6%**
EFFICIENCY (Uplight):	**11.9%**
CIE CLASSIFICATION:	SEMI-DIRECT
LUMENS/LAMP:	2900
NO. OF LAMPS:	1
LUMINOUS OPENING:	RECTANGULAR
Width:	0.13 (Feet)
Length:	3.83
Height:	0.31
INPUT WATTS:	31



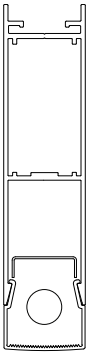


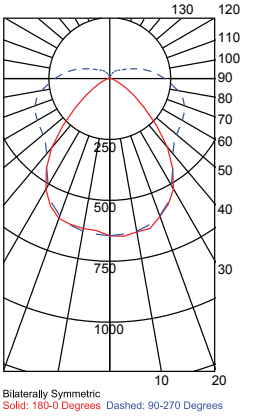
Fixture with ACL3D.8 shielding

IESNA: LM-63-2002
ISSUEDATE: 12/29/11
TEST: GB16D1T5ACL.ies
TESTLAB: photopia 3.2.6 see: www.ltioptics.com/ies
MANUFAC: GAMMALUX LIGHTING SYSTEMS
LUMCAT: GB16D-128T5-ACL3D.8
LAMPS: 1 FLUOR 28W 4' SILHOUETTE T5

Summary Data

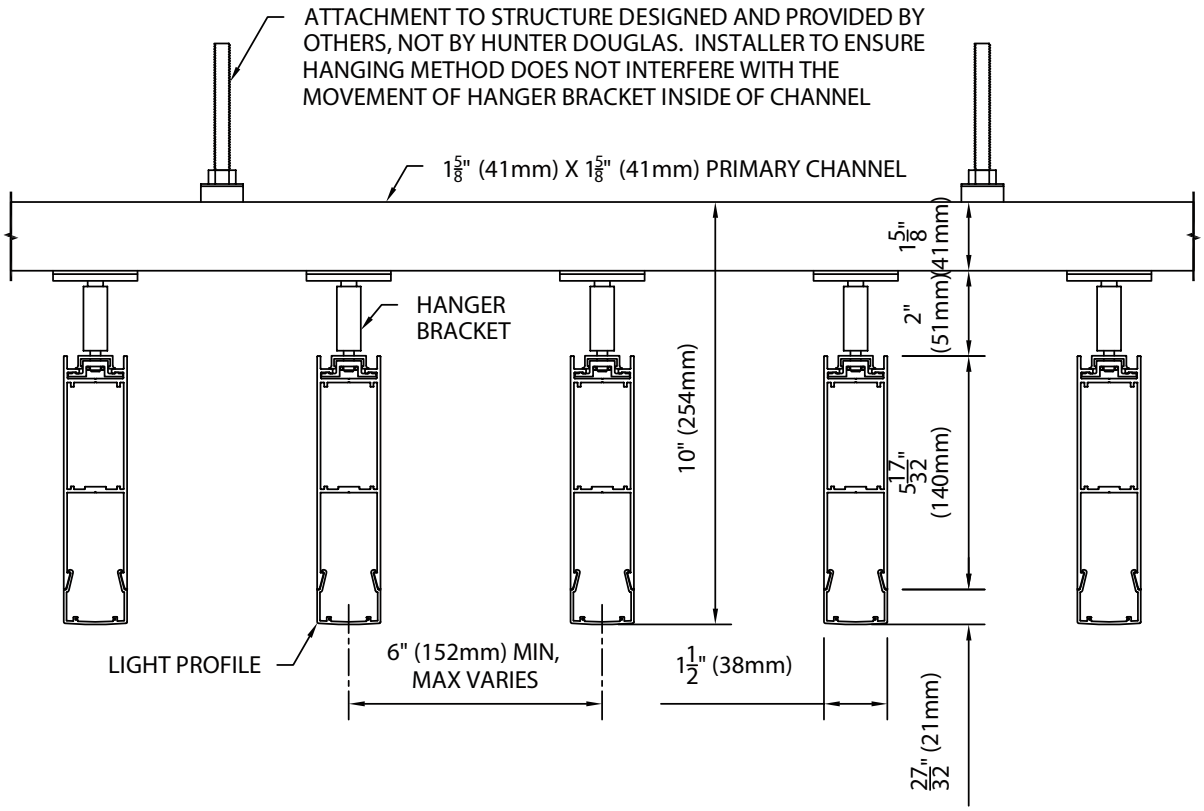
EFFICIENCY (Total):	**74.0%**
EFFICIENCY (Downlight):	**62.3%**
EFFICIENCY (Uplight):	**11.8%**
CIE CLASSIFICATION:	SEMI-DIRECT
LUMENS/LAMP:	2900
NO. OF LAMPS:	1
LUMINOUS OPENING:	RECTANGULAR
Width:	0.13 (Feet)
Length:	3.83
Height:	0.31
INPUT WATTS:	31

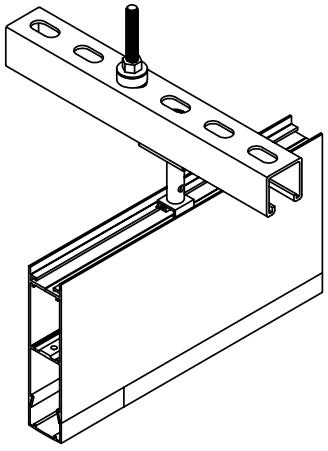


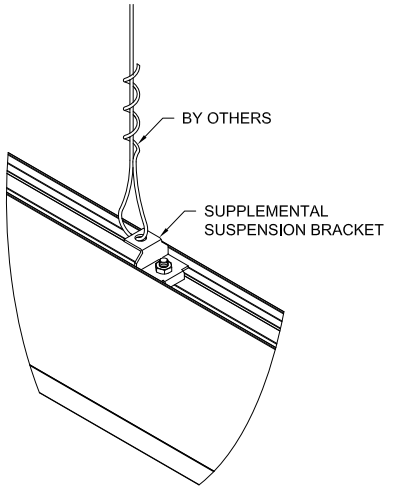


Mounting Details

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.