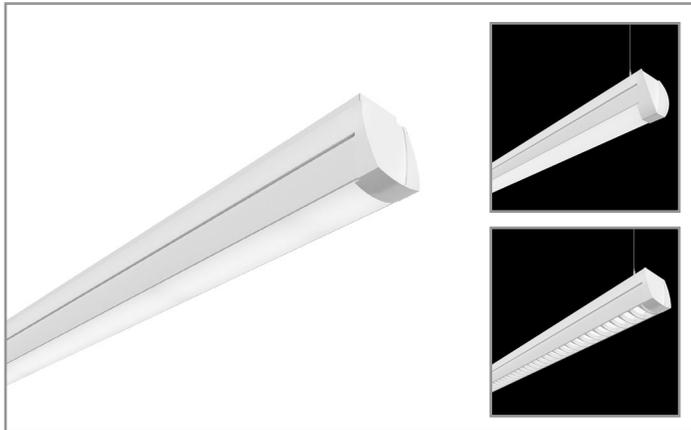


| | | | | | |
|-------------|--|-----------|--|------|--|
| Project | | Catalog # | | Type | |
| Prepared by | | Notes | | Date | |



Corelite

Hugo - HGL

LED
Suspended
Direct / Semi-Direct

Typical Applications

Office • Education • Healthcare • Hospitality • Retail • Industrial
• Supermarket

Interactive Menu

- Order Information [page 2](#)
- Product Specifications [page 2](#)
- Photometric Data [page 3](#)
- Energy and Performance Data [page 3](#)
- Control Systems [page 5](#)
- Product Warranty

Product Certification



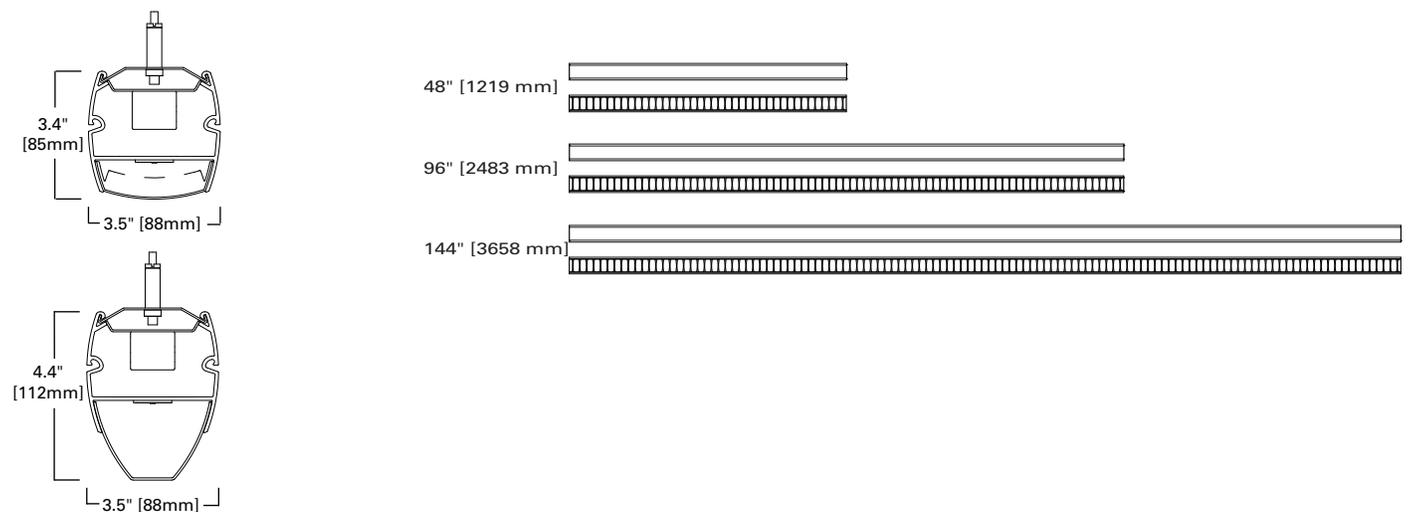
Product Features



Top Product Features

- Architectural styling in a small scale profile
- Frosted flush and drop lens, baffle, and aisle lighter optic option
- Available in 4', 8', 12', and continuous runs
- 750 to 2,000 delivered lumens per foot
- Up to 145 Lumens per Watt
- Options to meet Buy American Act requirements

Dimensions and Fixture Lengths



Order Information

SAMPLE ORDER NUMBER: HGL-S-BF-40L835-1D-UNV-STD-WAA-ILB12-W-AC48-UM-24

| Domestic Preference | Series | Size | Shielding/Optics | Lumen Package Nominal per 4' section | CRI | Color Temperature | Circuiting | Speciality Wiring | Input Voltage |
|--|--|---------|--|---|--|--|---|---|---------------------------------------|
| [Blank]=Standard BAA=Buy American Act | HGL=Hugo Linear LED QS-HGL=HUGO Linear LED, Quick Spec | S=Small | FR=Frosted Lens BF=Baffle with Frosted Diffuser BA=Baffle with Aisle/Stack Optic UF=Frosted Drop lens (12% Uplight) | 30L=3,000 Lms (750 lms/ft) 40L=4,000 Lms (1,000 lms/ft) 50L=5,000 Lms (1,250 lms/ft) 60L=6,000 Lms (1,500 lms/ft) 80L=8,000 Lms (2,000 lms/ft) | 8=80 CRI 9=90 CRI | 30=3000K 35=3500K 40=4000K | 1=1 Circuit | D=None E=Emergency Circuit S=Secondary Circuit N=Emergency + Secondary Circuit | UNV=Universal (120V-277V) 347=347V |
| Notes Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. | Notes Shaded options indicate valid quick spec selections. See Quick Spec Terms and Conditions for more information. | | Notes Refer to performance table on Page 3 for more detail. 80L lumen package not available with 347V "STD" driver. | Notes Additional lead-time may apply for 930, 935 and 940 configurations. Lumen output will be affected please refer to the lumen adjustment factor table. | Notes Refers to wiring in cross section. | Notes Emergency and secondary circuit section wiring are configured per unit (4ft, 8ft, or 12ft). Emergency circuit option operates entire downlight portion of a specified unit. Secondary circuit not available with integrated sensor options | Notes Integral 347V driver with STD 0-10V option only. Factory supplied 347V remote transformer for all other driver options. | | |

| Driver/Dimming Options | Integrated Sensor | Integral Emergency | Finish | Suspension/ Power Feed | Suspension Length | Ceiling Type | Run Length |
|---|---|--|---|--|---|---|---|
| STD=Standard 0-10V (1%-100%) SLT=Fifth Light DALI (1%-100%) LH=Lutron HiLume 1% EcoSystems | WAA=WaveLinX Wireless Integrated Sensor WAB=WaveLinX Lite Wireless Integrated Sensor LWIPD1=Enlighted Wireless Integrated Sensor | B06=6-watt, 120V-277V Emergency Battery Pack B10=10-watt, 120V-277V Emergency Battery Pack EPC=LVS Controls EPC UL924 Bypass Relay | W=White S=Silver B=Black CC=Custom Color | AC=Aircraft cable with straight power cord | Adjustable Cable 48", 120", 240", 300", or 360" | T1=15/16" T-Bar T9=9/16" T-Bar TS=Slotted T-Bar JB=Junction Box / Structure UM=Universal Ceiling Kit (T1, T9, JB) S=Swivel at Cancopy (__=T1, T9, TS or JB) | 4=4ft. 8=8ft. 12=12ft. XX=Specify Row Length |
| Notes WAA and WAB must be used with "STD" driver. Integrated sensor not available with UF shielding option. Consult factory for emergency circuit option integrated sensor option. SWPD1 has been renamed to WAA, but remains the same sensor. | Notes 30°C max ambient temperature rating when integral battery selected. EPC option used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others). Battery operates entire downlight portion of 4ft sections. | Notes CC=must denote RAL color number | Notes UM mounting accomodates 15/16" Grid, 9/16" Grid, 4" Octagonal J-Box, and Structure - Adder applies. White mounting hardware standard. For black mounting hardware, add "B" after ceiling type. (e.g. T1-B). | Notes Standard row configurations over 12' consist of 8' and 12' luminaires. | | | |

Product Specifications

Construction

- Compact extruded aluminum housing forming a 3.5"x 3.4" profile
- Replaceable Gear tray is die-formed 20 gauge galvanized steel and provides access to drivers from above
- Removable top access plates located on both ends for ease of wiring/joining

End Caps

- Die-cast aluminum with decorative cover plate to conceal fasteners
- End cap adds 1" to each end

Lengths

- Available in 4-ft, 8-ft, and 12-ft sections
- All sections are modular eliminating the need for starter, joiner and end sections
- Standard row configurations over 12-ft consist of 8-ft and 12-ft luminaires unless otherwise specified

Finish

- Electrostatically applied polyester powder coat paint
- White finish standard
- Silver, Black, and RAL custom colors are available

Mounting

- Aircraft cable mounts on 4'-0", 8'-0" and 12'-0" centers
- Non-power mounting points can be adjusted along the length of the fixture
- All sections are continuously wired with snap quick connects for fast installation
- Refer to installation instructions for various ceiling interface details

- Surface mount available - see surface mount specification sheet

Shielding / Optics

- FR: High transmission 0.05" thick frosted acrylic snap-in lens
- BF: Continuous injection molded cross baffles with 1" opening for brightness management and frosted acrylic diffuser to shielding direct view of LEDs
- BA: Continuous injection molded cross baffles with 1" opening for brightness management and precision aisle/stack linear optic to deliver optimal vertical illumination in aisle applications
- UF: High transmission 0.05" thick frosted acrylic snap-in lens that drops below fixture housing for luminous sides and 12% uplight

LED and Light Engine

- LED's are available in 3000K, 3500K, 4000K
- Long-Life LED system coupled with integral electronic drivers to deliver optimal performance
- TM21 life at 60,000 hours up to L85 and calculated L70 exceeds 129,000 hrs
- Standard with 120-277V 0-10V dimming drivers (1% standard)
- Dimming wires come standard but can be capped in the field for standard switched operation
- A single power feed drop supplied as standard.

Integrated Controls

- WaveLink Wireless compatible for IoT capability
- WaveLink Lite Wireless compatible for IoT capability
- Enlighted sensor compatible
- Fifth Light DALI driver
- WaveLinX Lite compatible for out-of-the-box functionality

Emergency Options

- Optional 120-277V emergency battery available in 12W
- 90 minute output, and powers a 4-foot section
- Test switch/indicator button located on the top side of the luminaire
- Approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 12 = 1200 lumens)
- The combination of integrated sensor and emergency circuit options require an EPC UL924 bypass relay that disables sensor control of emergency fixtures when normal power is lost

Weight

- 3.0 lbs per foot

Compliance

- cULus listed for damp locations
- RoHS compliant
- Tested to IESNA LM-79 and LM-80
- Stated life per TM21 standards
- Can be used for State of California Title 24 high efficacy luminaire
- DesignLights Consortium™ Qualified and classified for DLC Standard and DLC Premium, refer to www.designlights.org for details.
- Can be used for State of California Title 24 high efficacy luminaire

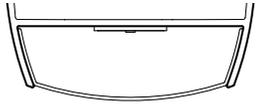
Warranty

- Five year warranty standard.
www.cooperlighting.com/legal

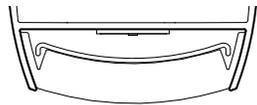
Shielding Options



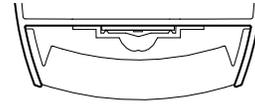
Frosted Lens (FR)



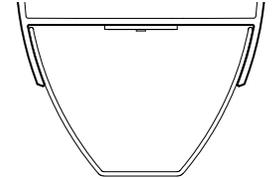
Baffle / Frosted Diffuser (BF)



Baffle / Aisle Optic (BA)



Frosted Drop Lens (UF)

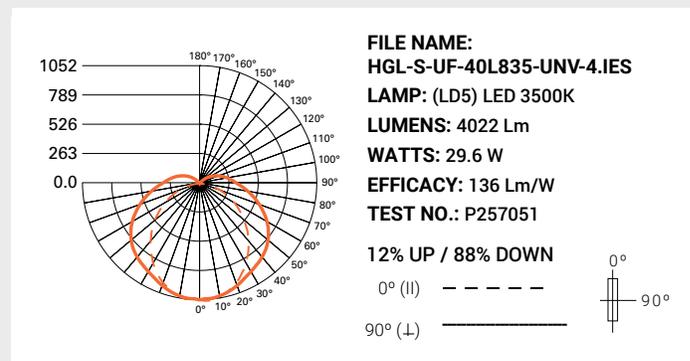
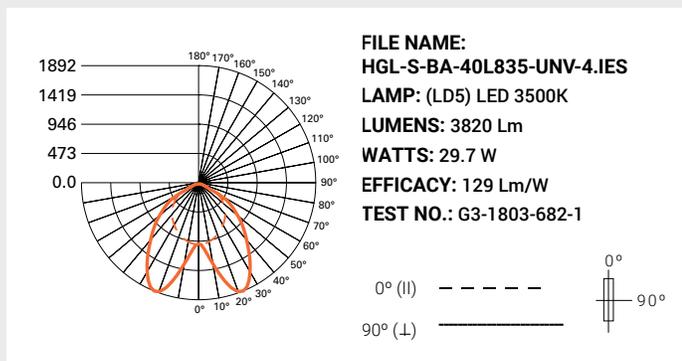
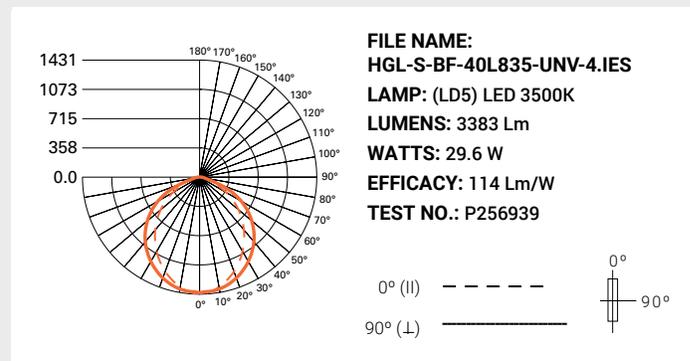
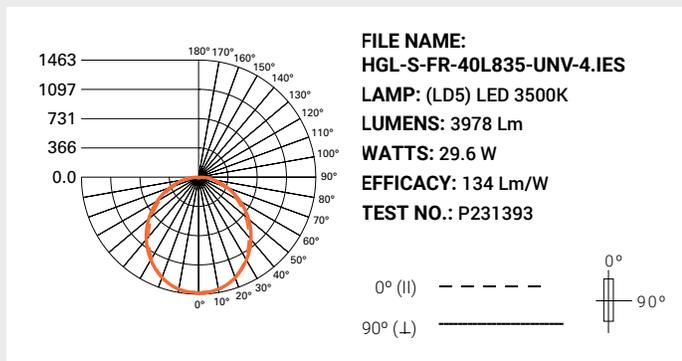


Joints (FR / UF Versions Only)

Powdercoat paint white spring steel joint snaps into housing between fixture sections to eliminate lens gaps and light leaks.

Photometric Data

[View IES files](#)



Note: Refer to IES files for more product data.

Energy and Performance Data

| Hugo HGL LED Performance (3500K/80CRI) | | | 4 ft. | | | |
|--|------------------|------------------|--------|---------|--------|-----------------|
| Series/ Distribution | Lumen Package | Delivered Lumens | | Wattage | | Efficacy LPW |
| | | 4FT | Per FT | 4FT | Per FT | |
| HGL-FR | 30L | 3150 | 788 | 23 | 5.8 | 136 |
| | 40L | 3978 | 995 | 30 | 7.4 | 134 |
| | 50L | 4979 | 1245 | 39 | 9.6 | 129 |
| | 60L | 6016 | 1504 | 49 | 12.2 | 124 |
| | 80L | 8131 | 2033 | 71 | 17.7 | 115 |
| HGL-BF | 30L | 2679 | 670 | 23 | 5.8 | 115 |
| | 40L | 3383 | 846 | 30 | 7.4 | 114 |
| | 50L | 4234 | 1058 | 39 | 9.6 | 110 |
| | 60L | 5116 | 1279 | 49 | 12.2 | 105 |
| | 80L | 6914 | 1729 | 71 | 17.7 | 98 |
| HGL-BA | 30L | 3025 | 756 | 23 | 5.8 | 130 |
| | 40L | 3820 | 955 | 30 | 7.4 | 129 |
| | 50L | 4781 | 1195 | 39 | 9.6 | 124 |
| | 60L | 5777 | 1444 | 49 | 12.2 | 119 |
| | 80L | 7808 | 1952 | 71 | 17.7 | 110 |
| HGL-UF | 30L | 3185 | 796 | 23 | 5.8 | 137 |
| | 40L | 4022 | 1006 | 30 | 7.4 | 136 |
| | 50L | 5034 | 1258 | 39 | 9.6 | 131 |
| | 60L | 6082 | 1521 | 49 | 12.2 | 125 |
| | 80L | 8221 | 2055 | 71 | 17.7 | 116 |

| 8 ft.* | | | 12 ft.* | | |
|---------|--------|-----------------|---------|--------|-----------------|
| Wattage | | Efficacy LPW | Wattage | | Efficacy LPW |
| 8FT | Per FT | | 8FT | Per FT | |
| 45 | 5.6 | 141 | 65 | 5.4 | 145 |
| 58 | 7.3 | 137 | 86 | 7.1 | 139 |
| 75 | 9.3 | 133 | 112 | 9.3 | 133 |
| 95 | 11.8 | 127 | 142 | 11.8 | 127 |
| 141 | 17.6 | 115 | 212 | 17.7 | 115 |
| 45 | 5.6 | 120 | 65 | 5.4 | 123 |
| 58 | 7.3 | 117 | 86 | 7.1 | 118 |
| 75 | 9.3 | 114 | 112 | 9.3 | 113 |
| 95 | 11.8 | 108 | 142 | 11.8 | 108 |
| 141 | 17.6 | 98 | 212 | 17.7 | 98 |
| 45 | 5.6 | 136 | 65 | 5.4 | 139 |
| 58 | 7.3 | 132 | 86 | 7.1 | 134 |
| 75 | 9.3 | 128 | 112 | 9.3 | 128 |
| 95 | 11.8 | 122 | 142 | 11.8 | 122 |
| 141 | 17.6 | 111 | 212 | 17.7 | 110 |
| 45 | 5.6 | 143 | 65 | 5.4 | 147 |
| 58 | 7.3 | 139 | 86 | 7.1 | 141 |
| 75 | 9.3 | 135 | 112 | 9.3 | 135 |
| 95 | 11.8 | 129 | 142 | 11.8 | 129 |
| 141 | 17.6 | 117 | 212 | 17.7 | 116 |

*Delivered lumens for 8ft and 12ft units are multiples of 4ft values. Input wattages per foot vary per unit length.

Lumen Adjustment Factors

| CCT | 80 CRI | 90 CRI |
|-------|--------|--------|
| 3000K | 0.964 | 0.830 |
| 3500K | 1.000 | 0.861 |
| 4000K | 1.015 | 0.883 |

Lumen Maintenance

| Ambient Temperature | TM-21 Lumen Maintenance (60,000 hours) | Theoretical L70 (Hours) |
|---------------------|--|-------------------------|
| 25°C | >87% | 129,000 |
| 40°C | 70% | 60,000 |

Example Calculation:

FR / 40L / 3500K / 80 CRI

Lumen Output selected = 995 lms/ft

3500K / 90 CRI Desired

Lumen Adjustment Factor = 0.861

Adjusted Lumen Output = 995 lms/ft x 0.861 = 857 lms/ft

Color Data (3500K)

| | | 80CRI |
|----------|----------------|-------|
| TM-30-15 | R _f | 82.6 |
| | R _g | 94.9 |
| CRI/CIE | R _a | 83.8 |
| | R _g | 15.5 |

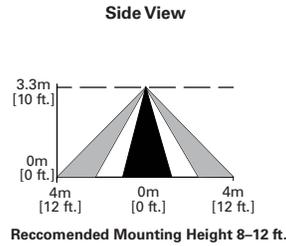
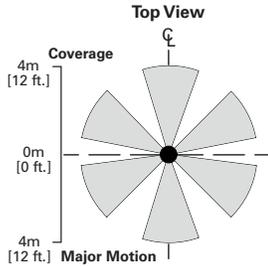
Control Systems

- WaveLinx Wireless
- WaveLinx Wired
- WaveLinx Lite
- Enlighted
- iLumin Plus
- VividTune



Connected Systems
[CLICK HERE](#)

The Hugo with Integrated Sensor technology provides automatic energy savings without sacrificing performance. The Hugo delivers superior lighting with integrated occupancy and daylighting controls. For standalone and controlled applications, the WaveLinx Lite integral sensor provides out-of-the-box functionality with no gateways required and factory startup is not needed. When more connectivity is required, the WaveLinx Wireless sensor meets modern code and utility requirements, delivers energy and cost savings, while enabling buildings to become smart buildings. The WaveLinx Wireless Connected Lighting System combined with Trellix provides an open IoT platform and infrastructure that connects intelligent sensors leveraging the real-estate of the physical light fixture to solve higher complexity problems to deliver actionable insights through the aggregation of valuable data. For additional information integrated sensors and connected lighting, please visit [Cooper Lighting Solutions' Connected Lighting Website](#).



Sensor Integration

Integrated sensors are located in the middle of each section (4', 8', or 12') for individual and continuous runs. Minor field adjustments of the sensor location are possible along the length of the fixture. Each section can be individually controllable or grouped together with the integrated sensors.

Systems comparison chart

Cooper Lighting Solutions provides many lighting system solutions designed to satisfy code requirements and meet the unique needs of any project.



Standalone



Controlled
WaveLinx Lite



Connected
WaveLinx Wireless



Enterprise
Trellix

| | | | | |
|--------------------------|-----|-----------------------------|---------------------|----------------------------|
| Occupancy | Yes | Yes | Yes | Yes |
| Daylighting | Yes | Yes | Yes | Yes |
| Gateways | - | - | 1 WAC | 300 WACs |
| Devices | - | 50 per Area (1400 per site) | 150 per WAC | 45,000 per Core Enterprise |
| Software | - | WaveLinx Lite Mobile App | WaveLinx Mobile App | Trellix Core |
| Areas | - | 28 per Site | 16 per WAC | up to 4,800 |
| Zones | - | 16 per Area | 16 per Area | up to 76,800 |
| Scheduling | - | - | Local | Global |
| VividTune™ | - | - | Yes | Yes |
| Plug-Load Control | - | - | Yes | Yes |
| Integration | - | - | - | BACnet, API |
| Dashboards | - | - | - | Energy, Occupancy |
| Configuration | - | Installer | Technician | Technician / IT |

SCALABILITY

