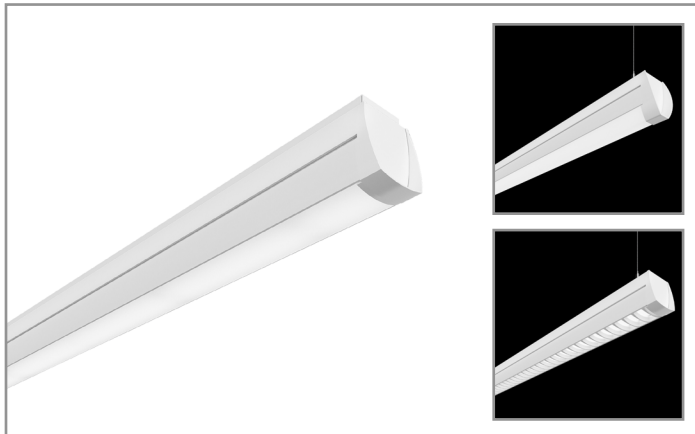


Project		Catalog #		Type	
Prepared by		Notes		Date	



Corelite

Hugo - HGL

LED
Suspended
Direct / Semi-Direct

Typical Applications

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

Interactive Menu

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

Product Certification



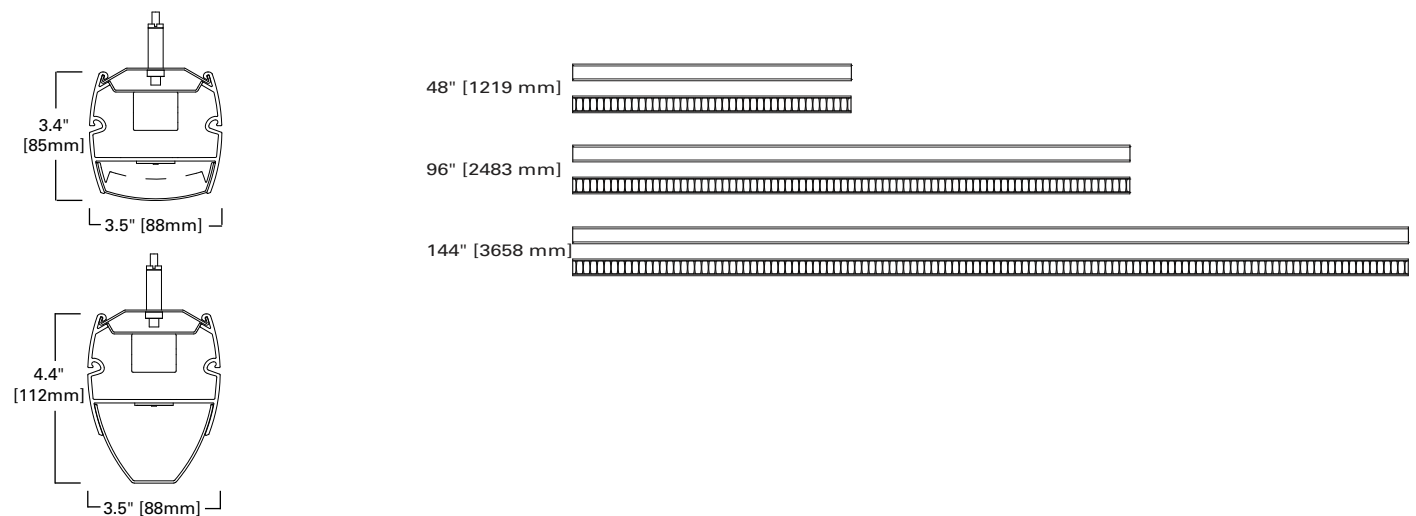
Product Features



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 Ship	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 ship selections. See Quick Ship 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 Select "D" wiring for individual fixtures. Emergency and Secondary circuit section wiring are configured per unit (4ft, 8ft, or 12ft). 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%) 5LT=Fifth Light DALI (5%-100%) LH=Lutron HiLume 1% EcoSystems L5=Lutron 5-Series 5% EcoSystems	WAA=WaveLinX Wireless Integrated Sensor WAB=WaveLinX Lite Wireless Integrated Sensor LWIPD1=Enlighted Wireless Integrated Sensor	ILB12=12-watt battery pack, 120V-277V, Iota ILB-SL-CP12	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.	Notes RAL custom colors are available	Notes UM ceiling type accommodates 1" Grid, 9/16" Grid, 4" Octagonal J-Box, and Structure ceiling types. Refer to ceiling interface installation instructions for more details. White mounting hardware standard; for black mounting hardware, add "-B" after ceiling type.		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 switch 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

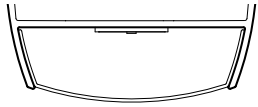
Warranty

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

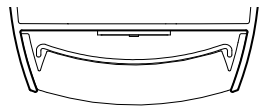
Shielding Options



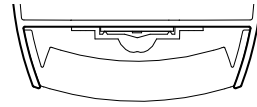
Frosted Lens (FR)



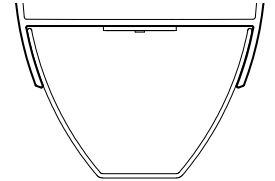
Baffle / Frosted Diffuser (BF)



Baffle / Aisle Optic (BA)



Frosted Drop Lens (UF)

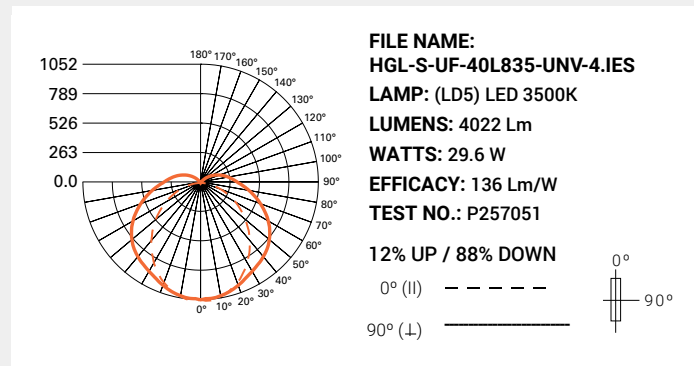
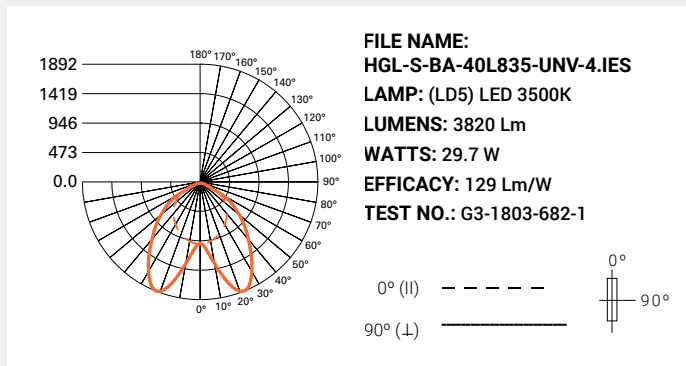
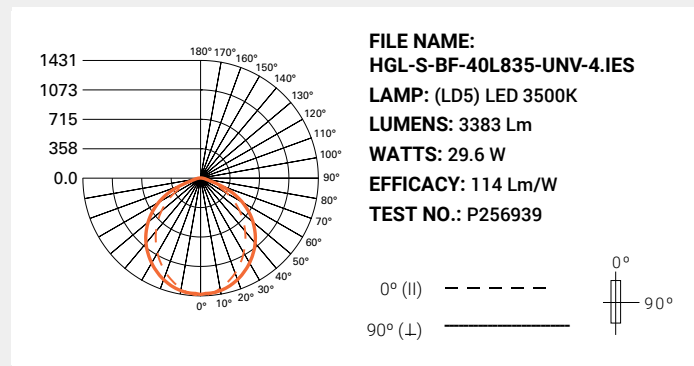
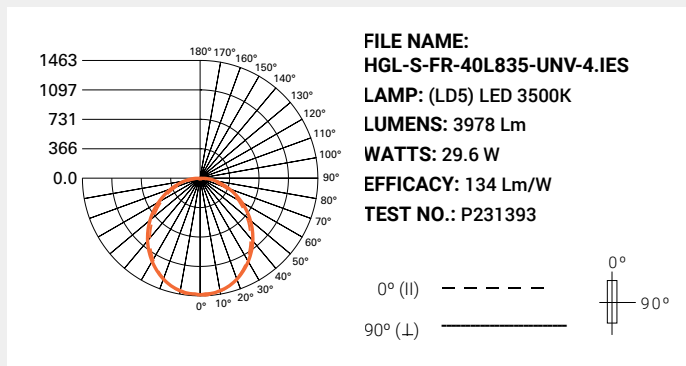


Joints (FR / UF Versions Only)

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

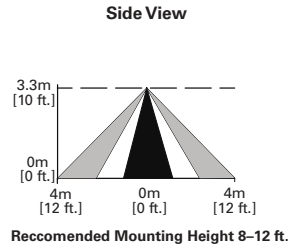
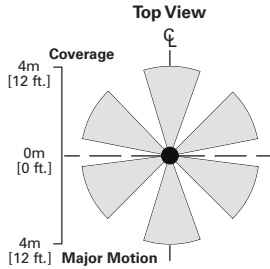
Control Systems

- 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

