

CATALOG #: \_\_\_\_\_

TYPE: \_\_\_\_\_

PROJECT: \_\_\_\_\_



## FEATURES

- HE option delivers superior efficacies up to 200 lm/W
- 40°C max ambient operating temperature
- Diverse selection of mounting accessories for surface and suspended applications
- Channel connector furnished for continuous row applications (included with 8' units only)
- Special reflectors are available for precise light distribution
- Optional wireguard provides added protection
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

## SPECIFICATIONS

- HOUSING** – 22-gauge die-formed C.R.S.
- FINISH** – 92% minimum average reflective white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- ELECTRICAL** – High-quality mid-power LED boards. L70 at 60,000 hours. L80 > 102,000 hours with HE option. 40°C maximum ambient operating temperature. 50°C maximum ambient operating temperature with HA Option, lumen restrictions apply. 50/60 Hz constant current driver.
- MOUNTING** – Surface (ceiling or wall) or suspended (hanging hardware required).
- LISTINGS** –
  - cCSAus certified as luminaire suitable for dry or damp locations.
  - UL 924 available, see Options.
  - Build America, Buy America (BABA) and Buy American Act (BAA) compliant. Request certification at [hew.com/buy-american](http://hew.com/buy-american)
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty)

## ORDERING EXAMPLE: 76 - 4 - L53/840 - OPTIONS - CONTROL/DIM - UNV

SERIES	LENGTH <sup>[1]</sup>	LUMENS <sup>[2]</sup>	CRI	CCT	OPTIONS <sup>[3]</sup>
76	4 4'	4'	8 80	27 2700K	<b>EM/10W</b> 10-watt emergency battery
		L32 3,200lm	9 90	30 3000K	(L_) Additional lower lumen packages available <sup>[4]</sup> Example: 8,000 nominal lumens = 76-8-L106/835-(L80)
	8 8'	L53 5,300lm	35 3500K	<b>HE</b> High efficacy lumen package <sup>[5]</sup>	
		L77 7,700lm	40 4000K	<b>HA</b> High ambient operating temperature, 50°C <sup>[6]</sup>	
		L115 11,500lm	50 5000K	<b>WG-7611</b> 11-gauge white powder coat wireguard	
		L64 6,400lm		<b>WG-7614</b> 14-gauge white powder coat wireguard	
		L106 10,600lm		<b>SS-12</b> Single stem and canopy, 12" <sup>[7]</sup>	
		L154 15,400lm		<b>SWS-12</b> Swivel stem and canopy, 12" <sup>[8]</sup>	
		L230 23,000lm		<b>320</b> 1-1/2" ceiling spacer	
				<b>GAT</b> GAT fastener (T-bar clip)	
		<b>VBY</b> (2) Y-hangers			
		<b>VBY-2</b> (2) Y-hangers with 2' chains			
		<b>QC_</b> Quick-connect wiring harness <sup>[9]</sup>			
		<b>GEN</b> Approved for UL 924 emergency generator circuit through-feed wiring <sup>[10]</sup>			

### AIRCRAFT CABLES (EXAMPLE: ACFL/D48) <sup>[11]</sup>

Prefix	Type	Length
ACFL/	Feeder D 1" grid & hardpan	24 24"
ACJL/	Joiner N 9/16" grid	48 48"
	S Slot grid	96 96"

### CONTROL

- Click [HERE](#) for linear control and sensor options.
- Click [HERE](#) for industrial control and sensor options.
- None

### DRIVER

- See page 3 for **ADDITIONAL DRIVER OPTIONS**.
- DIM** Driver with external 0-10V dimming wires
- DIM1** 1% Driver with external 0-10V dimming wires
- DRV** Driver without external dimming wires

### VOLTAGE

- 120** 120V
- 277** 277V
- UNV** 120-277V
- 480** 480V with stepdown transformer <sup>[12]</sup>

## NOTES

- For actual length, see page 2 for FIXTURE DETAILS
- Lumen output based on 80 CRI/4000K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see options.
- See page 3 for FINISH OPTIONS. Custom colors available upon request. See page 2 for MOUNTING DETAILS. See page 3 for SPECIAL REFLECTOR OPTIONS.
- Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- Not available with 90 CRI, 4' L32 or 8' L64 lumen packages. See page 2 for FIXTURE PERFORMANCE DATA.
- L77 max for 4', L154 max for 8'. Not available with EM batteries.
- Two stem sets required. One additional stem set required for each row mounted fixture.
- Two stem sets required. One additional stem set required for each row mounted fixture.
- See page 3 for QUICK-CONNECT OPTIONS.
- Maximum mounting height is 26.2' (8.0 m). Minimum lumen output is 400 lm/ft. See [hew.com/UL924](http://hew.com/UL924) for details.
- VBY hanger(s) included. Units specified with aircraft cable require cord. See page 2 for MOUNTING DETAILS.
- Not available with EM batteries.



## FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	STANDARD		HE OPTION <sup>(1)</sup>	
			WATTAGE	EFFICACY (lm/W)	WATTAGE	EFFICACY (lm/W)
4'	L32	3263	21.3	153	—	—
	L53	5414	33.7	161	27.0	200
	L77	7757	52.6	147	42.9	181
	L115	11514	76.1	151	62.6	184
8'	L64	6657	42.3	157	—	—
	L106	10656	67.1	159	55.1	193
	L154	15513	102.5	151	80.2	193
	L230	23028	152.2	151	125.3	184

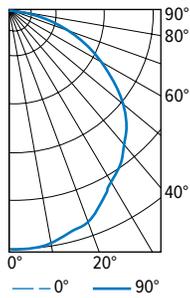
- <sup>1</sup> Not available with 90 CRI.
- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI/4000K CCT, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
  - To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
  - Use multiplier table to calculate additional options.

## MULTIPLIER TABLE

	COLOR TEMPERATURE	
	CCT	CONVERSION FACTOR
80 CRI	2700K	0.94
	3000K	0.96
	3500K	0.97
	4000K	1.00
	5000K	1.03
90 CRI	2700K	0.77
	3000K	0.79
	3500K	0.80
	4000K	0.83
	5000K	0.86

## PHOTOMETRY

76-4-L53/840-DIM Total Luminaire Output: 5414 lumens; 33.7 Watts | Efficacy: 160.7 lm/W | 80 CRI; 3500K CCT

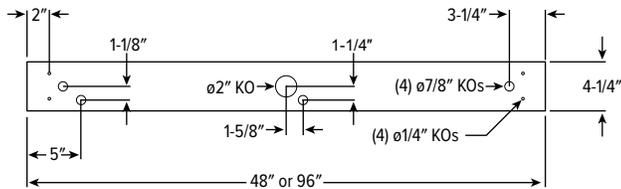


VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	1866	1866	1866	
5	1872	1870	1870	178
15	1793	1791	1790	508
25	1666	1661	1660	769
35	1504	1498	1491	934
45	1311	1302	1300	994
55	1011	998	992	891
65	707	697	670	679
75	358	333	333	367
85	79	73	73	96
90	4	16	18	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1454	27
	0 - 40	2388	44
	0 - 60	4273	79
	0 - 90	5414	100
	0 - 180	5414	100

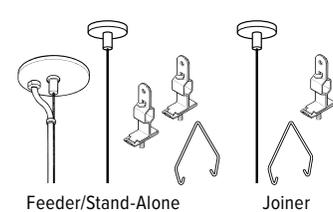
## FIXTURE DETAILS

### BACKVIEW



## MOUNTING DETAILS

### STANDARD HARDWARE FOR SUSPENDED PRODUCT (Grid and Hardpan)



#### Notes:

- Fixtures are provided with adjustable length aircraft cables, (2) VBY hangers and mounting hardware, must specify.
- Electrical supply is brought into the feeder fixture, either as part of a row or as a stand-alone unit. Joiner fixtures complete the row.
- The feeder kits are standard with a 5" canopy to cover the junction box and a 2" canopy at the non-feed point. No J-box is required at non-feed points.

### CORD FOR SUSPENDED PRODUCT

Units specified with aircraft cable require cord. Please specify cord type using ordering information below. Long fixture rows may require multiple feed points based on 18ga conductor size.

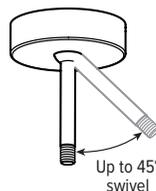
EXAMPLE: S2438D/W				
CORD TYPE	LENGTH	# OF COND.	WIRE SIZE	COLOR
S	24 24"	3	8D 18ga	/W White /B Black
	48 48"	4 <sup>(1)</sup>		
	96 96"	5 <sup>(1)</sup> 6 <sup>(1)</sup>		

<sup>1</sup> Includes (2) 22ga purple & pink dimming conductors

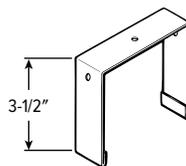
### SS-12



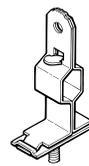
### SWS-12



### 320



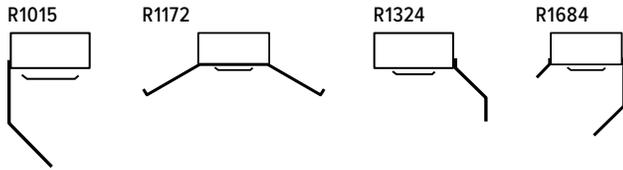
### GAT



### VBY | VBY-2



## SPECIAL REFLECTOR OPTIONS



Clear polycarbonate reflector aligners for continuous row applications are supplied with reflectors.

## QUICK-CONNECT OPTIONS

Note: Quick-connect wiring required for row mounting. All QC harnesses contain (5) 16ga conductors plus ground.

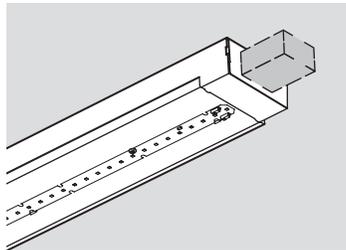
DESIGNATION	NUMBER OF 16GA WIRES FACTORY CONNECTED (EXCLUDING GROUND)	WIRE COLOR/POWER SUPPLY FACTORY CONNECTIONS	TYPICAL USE
QCBW	2	Black, White	On/off switching (DRV) or line voltage dimming (DIM LINE)
QCRW	2	Red, White	Alternating circuits on/off switching (DRV) or line voltage dimming (DIM LINE)
QCBRW	3	Black, Red, White	On/off switching (DRV) or line voltage dimming when equipped with EM battery packs
QCBW/PK	4	Black, White, Purple, Pink	Single circuit with 0-10V low voltage dimming (DIM)
QCRW/PK	4	Red, White, Purple, Pink	Alternating circuits on/off switching with 0-10V low voltage dimming (DIM)
QCBRW/PK	5	Black, Red, White, Purple, Pink	On/off switching when equipped with EM battery packs and 0-10V dimming (DIM)
QCBW/RPK	5	Black, White, Red, Purple, Pink	On/off switching with 0-10v dimming and 0-10v tunable using shared common
QCUU	N/A	N/A	QC harness passes through fixture, but is not connected to it

## FINISH OPTIONS



For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require four sample swatches, minimum 1" square.

## SENSOR & NODE PLACEMENT DETAILS



## ADDITIONAL DRIVER OPTIONS

Note: Restrictions may apply, consult product builder at [hew.com/product-builder](http://hew.com/product-builder)

CATALOG NUMBER	DESCRIPTION
DRV	Driver without external dimming wires prewired for non-dimming applications
DIM	Driver with external dimming wires prewired for 0-10V low voltage applications
DIM1	1% driver with external dimming wires prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM TRC	Line voltage dimming driver (TRIAC compatible, 120V only)
DA	Driver with 12V auxiliary power, without external dimming wires (not available with 347V)
DSR	DALI-2 sensor-ready driver without external dimming wires (D4i DALI-2. Not available with 347V.)
DALI	DALI dimming driver
SD40	40% step-dimming driver
SD50	50% step-dimming driver
LDE1	Lutron Hi-lume 1% EcoSystem dimming driver
LD2	Lutron DALI-2 digital driver, 1%