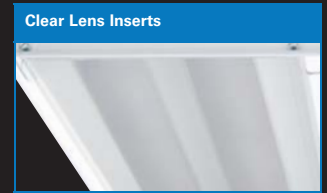


Shielding Options

Door frame and lens assembly are available for more demanding environments.



Mounting Accessories

Suited for suspension mounting with optional wire hook and chain set or cable mounting. Single monopoint mounting also available with SPM tong hanger.



Ordering Information

Sample Number: HBLEDD4-18-W-UNV-L850-ED2-U Includes V Hangers for rapid installation

Series ¹⁴	Lamp Type	LED Lumen Output	Distribution	Shielding	Voltage ¹	Lamps
HBLEDD =LED High Bay Linear	LD4 =LED 4.0	12 =12,000 Lumens 18 =18,000 Lumens 24 =24,000 Lumens 30 =30,000 Lumens 36 =36,000 Lumens	N =Narrow (Aisle) W =Wide (General)	[Blank] =None A =Prismatic Acrylic Lens and Door Frame ^{8,9,11} AI =Prismatic Acrylic Lens Insert ^{8,9} A/WG =Acrylic Lens, Wireguard and Door Frame ^{8,9,11} CL =Clear Acrylic Lens and Door Frame ^{8,11} CLI =Clear Acrylic Lens Insert ⁸ CL/WG =Clear Lens, Wireguard and Door Frame ^{8,11} WG =Wireguard POLY125 =Polycarbonate Lens and Door Frame ^{8,11} POLY125/WG =Polycarbonate Lens, Wireguard and Door Frame ^{8,11}	120V =120 Volt 277V =277 Volt 347V =347 Volt ^{6,10} 480V =480 Volt ^{6,10} UNC =Universal 347/480 Voltage ⁶ UNV =Universal 120/277 Voltage	Lamps Installed L840 =4000K L850 =5000K
Options ⁵	Driver Type	Number of Drivers	Options	Packaging	Accessories (Order Separately)	
Emergency EL =Emergency Installed, 700 Lumens ¹ EL14 =Emergency Installed, 1400 Lumens ^{1,4}	CD =0-10V Dimming Driver ^{7,8} ED =Electronic Fixed Output Driver ⁷ 5LTD =Dali Fifth Light ^{7,8,13}	1 =1 Driver (12,000 Lumen Version) 2 =2 Drivers (18,000 and 24,000 Lumen Versions) 3 =3 Drivers (30,000 and 36,000 Lumen Versions)	MP =Modular Power Receptacle (Used for All Cord or Cord and Plug Options) ³ MS =360° or 180° Motion Sensor Installed (120V through 277V) ²	PALC =Job Pack in Carton U =Unit Pack	FH-1 =Fixture Hook FL-1 =Fixture Loop HBL-SPM =Single Monopoint Hanger with Hub Y-TOGGLE =Y Mounting Toggle, #2 Cable (Specify 10' or 30') HBAYC-CHAIN/SET/U =(2) V-Hook Hangers, 36' Chain Sets with S-Hooks MPC3 =3' Modular Power Cord and Plug (Specify Voltage) MC6 =6' Modular Power Cord MPC6 =6' Modular Power Cord and Plug (Specify Voltage) MMS =360° or 180° Aisle Motion Sensor with Modular Power Receptacle (120-277V) WG/HBL6-4FT-B =Field Installable, Wireguard for HBLEDD ¹²	

NOTES: 1. Voltage must be specified when ordered with plugs or emergency drivers. 2. When ordering MS option, specify as UNV (for 120 or 277V), 347 or 480V. 3. Requires use of MC or MPC cord accessories, specify voltage for plugs. (MP). 4. Not available in 347V. 5. EM options limited to 40°C ambient. 6. Not available with dual switching. 7. Lumen output will vary depending on dimming or fixed output drivers. Refer to IES files for delivered lumens. 8. Rated for 40°C ambient. 9. Not available with narrow distribution. 10. EM options not available with 30,000 or 36,000 lumen configuration at 347V or 480V. 11. Not available with 36,000 lumen configuration. 12. Not available with lens insert options AI and CL. 13. 5LTD available with 12,000, 18,000 and 30,000 lumen packages only. 14. DesignLights Consortium® Qualified (some models are not DLC qualified). Refer to www.designlights.org Qualified Products List under Family Models for details.

Specifications & dimensions subject to change without notice. Consult your Cooper Lighting Representative for availability and ordering information.

Photometrics

HBLEDD4-18-N-UNV-L850-ED2-U		HBLEDD4-24-W-UNV-L850-ED2-U																																																																																																																																									
	<p>Coefficients of Utilization</p> <table border="1"> <thead> <tr> <th rowspan="2">rc</th> <th colspan="3">Effective floor cavity reflectance</th> <th rowspan="2">20%</th> </tr> <tr> <th>80%</th> <th>50%</th> <th>30%</th> </tr> </thead> <tbody> <tr> <td>rw</td> <td>70</td> <td>50</td> <td>30</td> <td>10</td> </tr> <tr> <td>RCR</td> <td>0</td> <td>119</td> <td>119</td> <td>119</td> </tr> <tr> <td></td> <td>1</td> <td>112</td> <td>108</td> <td>105</td> </tr> <tr> <td></td> <td>2</td> <td>105</td> <td>98</td> <td>93</td> </tr> <tr> <td></td> <td>3</td> <td>98</td> <td>90</td> <td>84</td> </tr> <tr> <td></td> <td>4</td> <td>92</td> <td>82</td> <td>76</td> </tr> <tr> <td></td> <td>5</td> <td>86</td> <td>76</td> <td>69</td> </tr> <tr> <td></td> <td>6</td> <td>81</td> <td>70</td> <td>63</td> </tr> <tr> <td></td> <td>7</td> <td>76</td> <td>65</td> <td>58</td> </tr> <tr> <td></td> <td>8</td> <td>72</td> <td>61</td> <td>54</td> </tr> <tr> <td></td> <td>9</td> <td>68</td> <td>57</td> <td>50</td> </tr> <tr> <td></td> <td>10</td> <td>64</td> <td>53</td> <td>47</td> </tr> </tbody> </table>	rc	Effective floor cavity reflectance			20%	80%	50%	30%	rw	70	50	30	10	RCR	0	119	119	119		1	112	108	105		2	105	98	93		3	98	90	84		4	92	82	76		5	86	76	69		6	81	70	63		7	76	65	58		8	72	61	54		9	68	57	50		10	64	53	47		<p>Coefficients of Utilization</p> <table border="1"> <thead> <tr> <th rowspan="2">rc</th> <th colspan="3">Effective floor cavity reflectance</th> <th rowspan="2">20%</th> </tr> <tr> <th>80%</th> <th>50%</th> <th>30%</th> </tr> </thead> <tbody> <tr> <td>rw</td> <td>70</td> <td>50</td> <td>30</td> <td>10</td> </tr> <tr> <td>RCR</td> <td>0</td> <td>119</td> <td>119</td> <td>119</td> </tr> <tr> <td></td> <td>1</td> <td>109</td> <td>105</td> <td>101</td> </tr> <tr> <td></td> <td>2</td> <td>100</td> <td>92</td> <td>85</td> </tr> <tr> <td></td> <td>3</td> <td>91</td> <td>81</td> <td>73</td> </tr> <tr> <td></td> <td>4</td> <td>83</td> <td>71</td> <td>63</td> </tr> <tr> <td></td> <td>5</td> <td>76</td> <td>64</td> <td>55</td> </tr> <tr> <td></td> <td>6</td> <td>70</td> <td>57</td> <td>48</td> </tr> <tr> <td></td> <td>7</td> <td>65</td> <td>52</td> <td>43</td> </tr> <tr> <td></td> <td>8</td> <td>61</td> <td>47</td> <td>39</td> </tr> <tr> <td></td> <td>9</td> <td>57</td> <td>43</td> <td>35</td> </tr> <tr> <td></td> <td>10</td> <td>53</td> <td>40</td> <td>32</td> </tr> </tbody> </table>	rc	Effective floor cavity reflectance			20%	80%	50%	30%	rw	70	50	30	10	RCR	0	119	119	119		1	109	105	101		2	100	92	85		3	91	81	73		4	83	71	63		5	76	64	55		6	70	57	48		7	65	52	43		8	61	47	39		9	57	43	35		10	53	40	32
rc	Effective floor cavity reflectance			20%																																																																																																																																							
	80%	50%	30%																																																																																																																																								
rw	70	50	30	10																																																																																																																																							
RCR	0	119	119	119																																																																																																																																							
	1	112	108	105																																																																																																																																							
	2	105	98	93																																																																																																																																							
	3	98	90	84																																																																																																																																							
	4	92	82	76																																																																																																																																							
	5	86	76	69																																																																																																																																							
	6	81	70	63																																																																																																																																							
	7	76	65	58																																																																																																																																							
	8	72	61	54																																																																																																																																							
	9	68	57	50																																																																																																																																							
	10	64	53	47																																																																																																																																							
rc	Effective floor cavity reflectance			20%																																																																																																																																							
	80%	50%	30%																																																																																																																																								
rw	70	50	30	10																																																																																																																																							
RCR	0	119	119	119																																																																																																																																							
	1	109	105	101																																																																																																																																							
	2	100	92	85																																																																																																																																							
	3	91	81	73																																																																																																																																							
	4	83	71	63																																																																																																																																							
	5	76	64	55																																																																																																																																							
	6	70	57	48																																																																																																																																							
	7	65	52	43																																																																																																																																							
	8	61	47	39																																																																																																																																							
	9	57	43	35																																																																																																																																							
	10	53	40	32																																																																																																																																							
<p>Fixed Output Driver Linear LED 5000K Spacing criterion: (III) 1.28 x mounting height, (L) 0.72 x mounting height Lumens = 18818 Input Watts = 151.9W Efficacy = 123.9 lm/W Test: HBLEDD4-18-N-L850-ED2-U.IES</p>	<p>Zonal Lumen Summary</p> <table border="1"> <thead> <tr> <th>Zone</th> <th>Lumens</th> <th>%Fixture</th> </tr> </thead> <tbody> <tr> <td>0-30</td> <td>10076</td> <td>53.5</td> </tr> <tr> <td>0-40</td> <td>13520</td> <td>71.8</td> </tr> <tr> <td>0-60</td> <td>17434</td> <td>92.6</td> </tr> <tr> <td>0-90</td> <td>18818</td> <td>100.0</td> </tr> <tr> <td>0-180</td> <td>18818</td> <td>100.0</td> </tr> </tbody> </table>	Zone	Lumens	%Fixture	0-30	10076	53.5	0-40	13520	71.8	0-60	17434	92.6	0-90	18818	100.0	0-180	18818	100.0	<p>Fixed Output Driver Linear LED 5000K Spacing criterion: (III) 1.31 x mounting height, (L) 1.31 x mounting height Lumens = 24002 Input Watts = 203.0W Efficacy = 118.2 lm/W Test: HBLEDD4-24-W-UNV-L850-ED2-U.IES</p>	<p>Zonal Lumen Summary</p> <table border="1"> <thead> <tr> <th>Zone</th> <th>Lumens</th> <th>%Fixture</th> </tr> </thead> <tbody> <tr> <td>0-30</td> <td>6577</td> <td>27.4</td> </tr> <tr> <td>0-40</td> <td>10894</td> <td>45.4</td> </tr> <tr> <td>0-60</td> <td>19698</td> <td>82.1</td> </tr> <tr> <td>0-90</td> <td>24002</td> <td>100.0</td> </tr> <tr> <td>0-180</td> <td>24002</td> <td>100.0</td> </tr> </tbody> </table>	Zone	Lumens	%Fixture	0-30	6577	27.4	0-40	10894	45.4	0-60	19698	82.1	0-90	24002	100.0	0-180	24002	100.0																																																																																																				
Zone	Lumens	%Fixture																																																																																																																																									
0-30	10076	53.5																																																																																																																																									
0-40	13520	71.8																																																																																																																																									
0-60	17434	92.6																																																																																																																																									
0-90	18818	100.0																																																																																																																																									
0-180	18818	100.0																																																																																																																																									
Zone	Lumens	%Fixture																																																																																																																																									
0-30	6577	27.4																																																																																																																																									
0-40	10894	45.4																																																																																																																																									
0-60	19698	82.1																																																																																																																																									
0-90	24002	100.0																																																																																																																																									
0-180	24002	100.0																																																																																																																																									