



WAREHOUSE SHADE

DDH SERIES



WSDDH20LX

APPLICATION

Warehouse Shade for decorative area lighting.

FEATURES

Domed Fixture Housing (DDH) features a contemporary design and is easy to maintain. Lumen Max series fixtures offer contemporary style with functional luminaire performance. All fixtures are designed and manufactured in our factory. Electronic LED Driver in canopy for thermal management. Variety of mounting options. Posi-lock reflector retention ring will absorb shocks and impacts.

FINISH

Multi-stage polyester powder-coat process applied on our dedicated paint lines. Variety of standard and custom finishes are available. All exposed materials are chromate pretreated to resist corrosion. Standard Matte White interior finish on reflectors.

ELECTRONICS

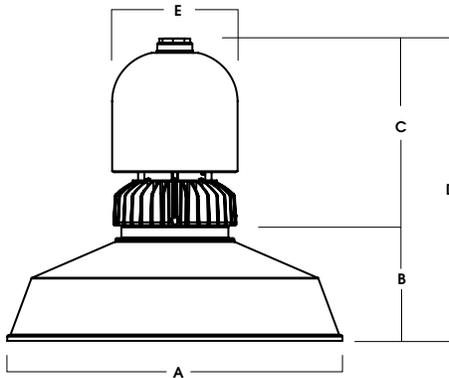
LED system features high brightness white Nichia LEDs. 3-step MacAdam Ellipse binning. Standard CRI: 80+. Higher CRI, R9 and custom LED configurations are available; consult factory. Variety of electronic 120V/277V and dimming drivers. LED module is 2 circuit with 2 drivers for multicircuit option as well as safety.

CONSTRUCTION

Fixtures are spun in our factory from 0.060" high purity aluminum. Die-cast aluminum heat sink. Reflector made of spun .060" aluminum.

CODE COMPLIANCE

BAA compliant. ETL certified to meet US and Canadian standards. Suitable for dry or damp locations. Manufactured and tested to UL standards No. 1598/8750.



A	B	C	D	E
20.0	7.1	10.6	17.7	7.5
508.0 mm	180.3 mm	269.0 mm	448.6 mm	448.6 mm

LUMENS / WATTAGE DATA				
PART NUMBER	SOURCE LUMENS ¹	DELIVERED LUMENS ²	SYSTEM WATTS	LPW
WSDDH20LX65L	6500	6631	56	118
WSDDH20LX100L	10000	9988	81	123
WSDDH20LX130L	13000	13099	104	126
WSDDH20LX140L	14000	14122	112	126

SERIES	LUMENS ¹	CCT	DRIVER / DIMMING ³	OPTIONS ⁴	MOUNTING ⁵	DIFFUSER OPTIONS	INTERIOR ⁹	FINISH ⁹	
WSDDH20LX	65L 6500 Lm	27K 2700K	EX Electronic Driver, 120V/277V DS10X 10% 0-10V, 120V/277V DO10X 1% 0-10V, 120V/277V DO103 1%, 0-10V, 347V	FS Fusing 2CIR 2 Circuit SC1 Safety Cable SC2 Safety Cable, Refractor to Door	HM ⁶ Hang Straight AT ⁶ Hang Straight All Thread PM ⁶ Rigid Pendant Mount CD ⁶ Cord / Cable Mount HC ⁶ Hook & Cord NM2 ⁷ ½" NPT Hub NM3 ⁷ ¾" NPT Hub EMERGENCY BATTERY OPTIONS EMCR 10W Canopy Mounted EM EMRM 7W Remote EM EMEN 7W Remote with Enclosure	DR20 ⁸ 20" Spun Door	FO White Optical PP Acrylic Prismatic Polycarbonate	MWI ¹⁰ Matte White CCI Custom Color FCI Fixture Color Interior See Page 5 for Full Range of Color Options (83-90081)	MW ¹⁰ Matte White MB ¹⁰ Matte Black PT ¹⁰ Platinum Silver CC Custom Color See Page 5 for Full Range of Color Options (83-90081)
	100L 10000 Lm	30K 3000K							
	130L 13000 Lm	35K 3500K							
	140L 14000 Lm	40K 4000K							

EXAMPLE: WSDDH20LX65L30KEX/HM36/MWI/MW

NOTES:
 1 Nominal Source Lumens at 35K 2 Nominal Delivered Lumens at 35K 3 Contact Factory for Additional Options 4 See Product Options Page For Details 5 See Mounting Pages for Options and Details on Components and Finishes
 6 Specify Length in Inches. See Mounting Page for Available Lengths 7 Mounting Supplied by Others 8 Same Finish as Housing 9 See Color Page for More Options / Consult Factory for Special Finishes 10 Standard Finishes



PROJECT: _____
 TYPE: _____



Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

WAREHOUSE SHADE

DDH SERIES / FIXTURE OPTIONS



STANDARD FINISHES

MW
MATTE WHITE



MB
MATTE BLACK

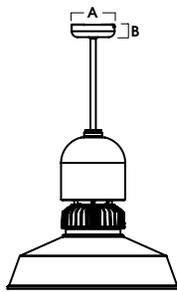


PT
PLATINUM SILVER



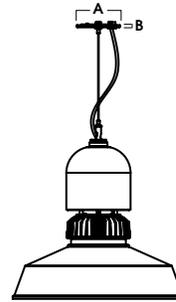
MOUNTING TYPES

HM / AT / PM
HANG STRAIGHT / ALL THREAD / PENDANT



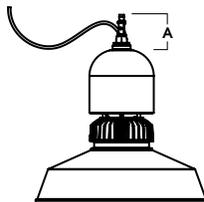
A	B
5.0	1.5
127.0 mm	38.1 mm

CD
CORD / CABLE MOUNT



A	B
5.0	.25
127.0 mm	6.35 mm

HC
HOOK CORD



A
4.0
101.6 mm

MOUNTING & ACCESSORIES

SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES, CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION. NOTE: THIS IS TYPICAL OF LUMEN MAX SPECIFICATION FOR PENDANT MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.



MOUNTING TYPES

<p>HM* HANG STRAIGHT 45° SWIVEL 5/8" OD STEM - 3/8" IP</p> <p>ORDER: HM (Length) SPECIFY LENGTH: HM3 - 3" HM24 - 24" HM6 - 6" HM36 - 36" HM12 - 12" HM48 - 48" HM18 - 18" HM72 - 72" HMLC(XX) Custom Length (Specify in Inches)</p>	<p>PM* RIGID PENDANT MOUNT RIGID 5/8" OD STEM - 3/8" IP</p> <p>ORDER: PM (Length) SPECIFY LENGTH: PM3 - 3" PM24 - 24" PM6 - 6" PM36 - 36" PM12 - 12" PM48 - 48" PM18 - 18" PM72 - 72" PMLC(XX) Custom Length (Specify in Inches)</p>	<p>AT** HANG STRAIGHT ALL THREAD 45° SWIVEL 5/8" OD STEM - 1/4" IP</p> <p>ORDER: AT (Length) SPECIFY LENGTH: AT12 - 12" AT24 - 24" AT36 - 36"</p>	<p>CD CORD / CABLE MOUNT SJ CORD WITH 1/16 SS CABLE</p> <p>ORDER: CD (Length) SPECIFY LENGTH: CD36 - 36" CD72 - 72" CD144 - 144" CDLC(XX) Custom Length (Specify in Inches)</p>	<p>HC HOOK & CORD FOR INDEPENDENT MOUNTING</p> <p>ORDER: HC</p>
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*MAXIMUM ONE PIECE STEM LENGTH IS 72". **MAXIMUM ONE PIECE STEM LENGTH IS 36". LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.

EMERGENCY BATTERY OPTIONS

EMCR - LARGE DRIVER CANOPY FOR 10W EMERGENCY BATTERY

REMOTE EMERGENCY BATTERY OPTIONS

<p>EMRM* - 7W REMOTE EMERGENCY BATTERY (50" MAX)</p> <table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>1.3</td> <td>12.6</td> <td>13.0</td> </tr> </tbody> </table>	A	B	C	1.3	12.6	13.0	<p>EMEN* - 7W REMOTE EMERGENCY BATTERY WITH ENCLOSURE (50" MAX)</p> <table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>2.0</td> <td>17.0</td> <td>6.2</td> </tr> </tbody> </table>	A	B	C	2.0	17.0	6.2
A	B	C											
1.3	12.6	13.0											
A	B	C											
2.0	17.0	6.2											

*OTHER EM BATTERY SIZES AVAILABLE, CONSULT FACTORY

ADDITIONS

FS - FUSING

Slow blow type fuse protects fixture against voltage surges. Factory installed.

LSP10 - SM - SURGE PROTECTOR

Surge protector absorbs transient electrical spikes and protects fixtures and electronics 120/277v. Re-sets after surge. Factory Installed.

SAFETY CABLE OPTIONS

SC1 - SAFETY CABLE

1/16" stainless steel safety cable for added support. Standard kit is 18" and double barrel locks are provided. Approved for California seismic requirements. Rated at 50 lbs.

SC2 - SAFETY CABLE

1/16" Stainless steel cable holds door to fixture

WAREHOUSE SHADE

DDH SERIES / PHOTOMETRIC DATA



WSDDH20LEDLX-140L-35K-EX-MWI

CANDLEPOWER CURVE	INTENSITY	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES BASED ON IES BEAM ANGLE	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT																												
	0.00°	0° - 10° 583 4%	Mounting Height AFF	<table border="1"> <thead> <tr> <th rowspan="2">Ceiling Height</th> <th rowspan="2">Fixture Spacing</th> <th colspan="2">RCR 2</th> <th colspan="2">RCR 4</th> </tr> <tr> <th>FC +</th> <th>W/Sq. Ft.</th> <th>FC +</th> <th>W/Sq. Ft.</th> </tr> </thead> <tbody> <tr> <td>22'</td> <td>20'*</td> <td>34</td> <td>0.30</td> <td>27</td> <td>0.30</td> </tr> <tr> <td>26'</td> <td>22'***</td> <td>22</td> <td>0.19</td> <td>17</td> <td>0.19</td> </tr> <tr> <td>32'</td> <td>24'****</td> <td>20</td> <td>0.17</td> <td>10</td> <td>0.11</td> </tr> </tbody> </table>	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		FC +	W/Sq. Ft.	FC +	W/Sq. Ft.	22'	20'*	34	0.30	27	0.30	26'	22'***	22	0.19	17	0.19	32'	24'****	20	0.17	10	0.11
	Ceiling Height	Fixture Spacing	RCR 2				RCR 4																									
			FC +	W/Sq. Ft.	FC +	W/Sq. Ft.																										
	22'	20'*	34	0.30	27	0.30																										
	26'	22'***	22	0.19	17	0.19																										
	32'	24'****	20	0.17	10	0.11																										
	5.00° 5,075	0° - 20° 1,984 14%	10.0'	51 fc	34.3'	11 fc																										
	5.00° 5,094	0° - 30° 4,166 29%	12.0'	35 fc	41.1'	7 fc																										
	10.00° 5,104	0° - 40° 6,860 48%	14.0'	26 fc	48.0'	6 fc																										
	15.00° 4,978	0° - 60° 12,347 87%	16.0'	20 fc	54.8'	4 fc																										
20.00° 4,824	0° - 80° 14,081 99%	20.0'	13 fc	68.5'	3 fc																											
30.00° 4,608	0° - 90° 14,172 100%	24.0'	9 fc	82.2'	2 fc																											
40.00° 3,989	Total 14,172 100%	28.0'	6 fc	95.9'	1 fc																											
50.00° 3,301		32.0'	5 fc	109.6'	1 fc																											
60.00° 2,549																																
70.00° 295																																
80.00° 151																																
90.00° 25																																
Delivered Lumens: 14,172 Luminaire Watts: 111.89 LER: 126.66	CP at 0deg (Nadir): 5,075 CRI: 85+	Beam Angle: 119.42 Spacing Ratio: 1.32	Lamp Multiplier: 65L x 0.471, 100L x 0.706, 130L x 0.93 CCT Multiplier: 40K x 1.03, 30K x 0.979, 27K x 0.959	2' Suspension Length Square rooms used for multiple units: - RCR 2: Length & Width = Ceiling Ht. - 6.5' x 5.00 - RCR 4: Length & Width = Ceiling Ht. - 6.5' x 2.50 * Average Footcandles at 2.5' Above Floor ** Exceeds spacing criteria by -2% *** Exceeds spacing criteria by -29%																												

COLOR OPTIONS - POWDER COAT PAINT FINISHES

NOTE: NO PRINTED IMAGE CAN EQUAL THE EXACT COLOR OF FINISH ON METAL.
SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION.



STANDARD CORD / STEM / CANOPY FINISHES

FIXTURE COLOR	STANDARD CORD COLOR	STANDARD CANOPY / STEM COLOR
Matte White, Textured White	Matte White	Matte White
Gloss White	Matte White	Gloss White
Matte Black, Gloss Black, Textured Black	Matte Black	Matte Black
All Others	Matte Black	Same Color as Fixture
Custom Color	Contact Factory	Contact Factory

PAINT TIMES

TIER	COST	AVERAGE PAINT TIME*
Tier 1 - Standard Finishes	\$	⌚
Tier 2 - Typical Finishes	\$\$	⌚⌚
Custom Color	Contact Factory	Contact Factory

*CONTACT FACTORY FOR SPECIFIC PRODUCT LEAD TIMES

TIER 1 - STANDARD FINISHES



TIER 2 - TYPICAL FINISHES



CUSTOM COLOR FINISHES

CONTACT FACTORY

CC
Custom Color



*UNAVAILABLE FOR WET LOCATION