

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

20" Low/Mid Bay 14100 Lm



Warehouse Shade Refractor

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.

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.

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

1 Nominal Delivered Lumens at 35k

SERIES	LUMENS ¹	сст	DRIVER / DIMMING ²	SAFETY OPTIONS ³	MOUNTING ⁴	ENCLOSURE OPTIONS	OPTIONS	INTERIOR9	FINISH ⁹	MOUNTING OPTION ¹¹
WSDDH2OLX	65L 6650 Lm 100L 10000 Lm 130L 13100 Lm 140L 14100 Lm	27K 2700K 30K 3000K 35K 3500K 40K 4000K	EX Electronic Driver, 120V/277V DS10X 10% 0-10V, 120V/277V D010X 19% 0-10V, 120V/277V D0103 19%, 0-10V, 347V	FS Fusing 2CIR 2 Circuit SC1 Safety Cable	HM_* Hang Straight PM_* Rigid Pendant Mount CD_* Cord / Cable Mount HC_**** Hook & Cord NM2**** 15** NPT Hub MM3***** 14** NPT Hub EM. BATTERY OPTIONS EMCR 10W Canopy Mounted EM EMRM 7W Remote EM EMEN 7W Remote EME	LENS FO White Optical Acrylic PP Prismatic Polycarbonate	SC2 Safety Cable, Refractor to Door	MWI® Matte White CCI Custom Color FCI Fixture Color Interior	MW® Matte White MB® Matte Black PT® Platinum Silver CC Custom Color	FCHMA Field Cuttable Mounting Kit for Hang Mount Fixtures

EXAMPLE: WSDDH20LX65L30KEX/HM36/FCI/MW

NOTES

1 Nominal Delivered Lumens at 35K 2 Contact Factory for Additional Options 3 See Product Options Page For Details 4 See Mounting Pages for Options and Details on Components and Finishes 5 Specify Length in Inches, See Mounting Page for Available Lengths 6 Mounting Supplied by Others 7 Not Available with EMCR 8 12 Leads Unless Specified 9 Reference Color Sheet Located on Product Webpage for Full List of Available Colors 10 Standard Finishes 11 Field Cuttable Mounting Kit only Available with HM Stem



PROJECT:	
QUANTITY:	TYPE:







WAREHOUSE SHADE

DDH SERIES / FIXTURE OPTIONS



STANDARD FINISHES

MW MATTE WHITE







MOUNTING TYPES

HM / PM HANG STRAIGHT / PENDANT



WSDDH20LX SHOWN WITH PM

CD CORD / CABLE MOUNT



WSDDH20LX SHOWN WITH CD

HC HOOK CORD



WSDDH20LX SHOWN WITH HC

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 RLM SPECIFICATION FOR MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.



ADDITIONS

FS - Fusing Slow blow type fuse protects fixture against voltage surges. 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.

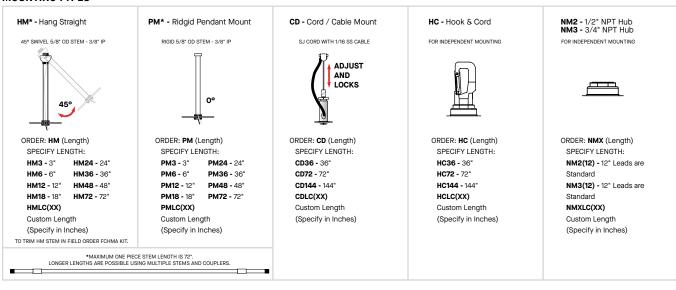


SC2 - Safety Cable, Refractor to Door 1/16" Stainless steel cable holds



door to fixture

MOUNTING TYPES

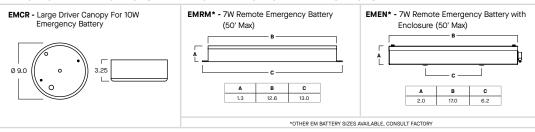


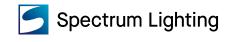
MOUNTING OPTION



EMERGENCY BATTERY OPTIONS

REMOTE EMERGENCY BATTERY OPTIONS



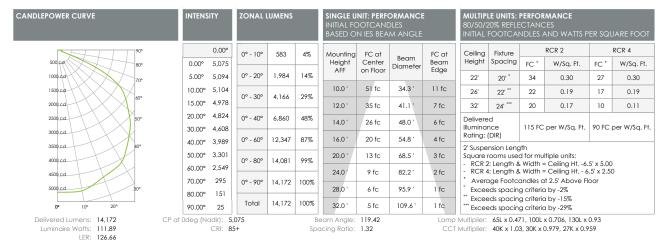


WAREHOUSE SHADE

DDH SERIES / PHOTOMETRIC DATA



WSDDH20LEDLX-140L-35K-EX-MWI



HOW TO USE PERFORMANCE DATA

SINGLE UNIT

Beam Angle Height AFF Honorion FC at Center on Floor FC at Beam Edge

Cone of Light of a single, symmetrical beam luminaire. Direct initial illumination (FC) and Beam Angle diameter directly beneath fixture; shown at different distances from aperture to horizontal plane. Calculated using Inverse Square Law.

 $FC_H = CP \times (Cos \theta) \div D^2$

Beam Diam. = 1/2 Beam Angle (Tan) x 2D

• CP Candela at 0° (Nadir)
• Cos θ Cosine of θ Angle

Distance (Mounting Height AFF)

• FC_H Footcandles, Horizontal

- Beam Angle Cone of light to 50% max. CP

Beam Diam. Pattern of light at Beam Angle

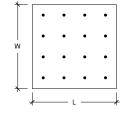
MULTIPLE UNITS

Square grid layout of multiple luminaires in unfurnished, square rooms of different proportions (Room Cavity Ratios) with 80/50/20% room surface reflectances. 4' Suspension Length to aperture. Initial average illumination (FC) calculated at 2.5' above floor, using Zonal Cavity Method. W/Sq. Ft. of layout shown for each ceiling height and RCR.

Delivered Illuminance Rating (DIR*): System performance indicator expressed as ratio of approximate initial FC per W/Sq. Ft. delivered to horizontal plane below, for the range of ceiling heights indicated.



 $\,^*$ To estimate Sq. Ft. per fixture for a specific target FC: Sq. Ft. / Fixture = Chart FC x Chart Spacing² $\dot{\rm z}$ Target FC



- To estimate Fixture Quantity in a room: Fixture Qty. = Sq. Ft. of Rm. \div Sq. Ft. per fixture
- To estimate Watts/Sq. Ft.: W/ Sq. Ft. = Luminaire Watts x Qty. ÷ Sq. Ft. of Rm.

