DOCUMENT 00 91 13.02 - ADDENDA

1.1 PROJECT INFORMATION

- Project Name: ABC Store 104, 7000 Wrightsville Avenue, Wilmington, NC 28403 A.
- B. Owner: New Hanover County ABC Board, 6909 Market Street, Wilmington, NC 28405
- C. Architect: Smith 2 Architecture + Design, PO Box 717 Wrightsville Beach, NC 28480
- D. Date of Addendum: January 29, 2019

1.2 NOTICE TO BIDDERS

- This Addendum is issued to all registered plan holders pursuant to the Instructions to Bidders A. and Conditions of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Manual, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.
- B. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.

1.3 **SPECIFICATIONS**

- Section 00 41 13, Form of Bid Bond: see attached form. Shall be attached to Bid Form. A.
- Identification of HUB Certified/Minority Business Participation form: see attached form. Shall B. be attached to Bid Form.
- C. Section 07 42 13, Formed Metal Wall Panels, 2.2, B. 2, b. Finish: Factory finish with fluoropolymer, color to be selected by architect from full range.

1.4 REVISIONS TO DRAWING SHEETS

- A. Civil:
 - 1. Clarification: Limits of Construction: See attached bulletin drawing: SK2-A012819.
- B. Architectural:
 - Sheet A1.1, Floor Plan. See bulletin drawing SK1-A012819 for enclosure of Utility 109. 1.
 - 2. Sheet A6.0, Door & Window Schedule, Door schedule: Change door 109, Warehouse to Utility, to have HM (hollow metal) frame, detail 2/A6.1, door type 2, door material SC DR (solid core wood), finish stained. It is to remain a "PR 3'-0"x7'-0".
 - Sheet A2.0 and A2.1, Exterior Elevations, Exterior Roofing Finish: Metal Roof, delete 3. "COLOR TBD", finish shall be galvalume.
 - Sheet A2.0 and A2.1, Exterior Elevations, Exterior Paint Schedule: delete EP2, metal 4. panels shall be factory finished.

Construction Documents 00 91 13.03 - 1

C. Mechanical:

- 1. Sheet M1.0, Mechanical Plan: Add Key Note 9 as follows: "F-9 to be mounted in ceiling above Utility 109. Exhaust fan shall be oriented to allow for uninhibited airflow into Warehouse Space. F-9 cooling thermostat to be mounted on wall inside Utility 109." Add Key Note 10 as follows: "Sidewall grille to be located low in center of wall with bottom of grille at 8" above finished floor." Transfer Grilles, Tag J and K, to be installed per Key Note 10 on Utility 109 sidewall.
- 2. Sheet M2.1, Mechanical Schedule: Power Ventilator Schedule: Add ceiling exhaust fan labeled F-9 and sized as follows: 250 cfm, 0.50" ESP, 1150 RPM, 2050 Tip Speed, 135 watts, 120V-1Ø, direct drive and controlled with a cooling thermostat.
- 3. Sheet M2.1, Mechanical Schedule: Grille and Diffuser Schedule: Add Sidewall Filter Grille labeled "J". Grille to be sized 18"x18" and include a standard 1" throwaway air filter. Add Sidewall Grille labeled "K". Grille to be sized 18"x18".

D. Electrical:

- 1. Sheet E1.1 Electrical Power Plan, 1/E1.1 Electrical Power Plan: New exhaust Fan F-9 in Utility 109 shall be fed from general receptacle circuit P-18 located in Warehouse 108.
- 2. Sheet 6.1 Electrical Luminaire Schedule, Luminaire Schedule: Revise light fixture manufacturer/model of light fixture types P2, P2N, P3, P3N to those as follows: P2 and P2N: HUBBELL #SAV-LX-40-WW16-N-U (Color selection by architect), see attached product specification. P3 and P3N: HUBBELL #UTB2-840-MM-ED-U-WW16-N (Color selection by architect), see attached product specification.

END OF DOCUMENT

Construction Documents 00 91 13.03 - 2

FORM OF BID BOND

KNOW ALL MEN BY THESE PRESENTS THAT
as
principal, and, as surety, who is duly licensed to act as surety in North Carolina, are held and firmly bound unto the New Hanover County ABC Board as obligee, in the penal sum of DOLLARS, lawful money of the United States of
America, for the payment of which, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents. Signed, sealed and dated this day of 20
WHEREAS, the said principal is herewith submitting proposal for and the principal desires to file this bid bond in lieu of making the cash deposit.
NOW, THEREFORE, THE CONDITION OF THE ABOVE OBLIGATION is such, that if the principal shall be awarded the contract for which the bid is submitted and shall execute the contract and give bond for the faithful performance thereof within ten days after the award of same to the principal, then this obligation shall be null and void; but if the principal fails to so execute such contract and give performance bond as required by G.S. 143-129, the surety shall, upon demand, forthwith pay to the obligee the amount set forth in the first paragraph hereof.
(SEAL)
(SEAL)
(SEAL)
(SEAL)
(SFAL)

Identification of HUB Certified/ Minority Business Participation

do hereby certify that on this project, we will construction subcontractors, vendors, suppli			business as
Firm Name, Address and Phone #	Work Type	*Minority Category	**HUB Certified (Y/N)
*Minority categories: Black, African America	an (B), Hispanic (H), Asian <i>A</i>	American (A) Ame	rican Indian (I),

^{**} HUB Certification with the state HUB Office required to be counted toward state participation goals.

The total value of minority business contracting will be (\$)______.

Attach to Bid Attach to Bid

State of North Carolina AFFIDAVIT A – Listing of Good Faith Efforts County of

Coun	(Name of Bidder)
Affida	avit of
Bidd	I have made a good faith effort to comply under the following areas checked:
	ers must earn at least 50 points from the good faith efforts listed for their bid to be idered responsive. (1 NC Administrative Code 30 I.0101)
tha	- (10 pts) Contacted minority businesses that reasonably could have been expected to submit a quote and at were known to the contractor, or available on State or local government maintained lists, at least 10 days fore the bid date and notified them of the nature and scope of the work to be performed.
	(10 pts) Made the construction plans, specifications and requirements available for review by prospective nority businesses, or providing these documents to them at least 10 days before the bids are due.
	- (15 pts) Broken down or combined elements of work into economically feasible units to facilitate minority articipation.
His	- (10 pts) Worked with minority trade, community, or contractor organizations identified by the Office of storically Underutilized Businesses and included in the bid documents that provide assistance in cruitment of minority businesses.
5 -	- (10 pts) Attended prebid meetings scheduled by the public owner.
G 6 -	- (20 pts) Provided assistance in getting required bonding or insurance or provided alternatives to bonding insurance for subcontractors.
un	- (15 pts) Negotiated in good faith with interested minority businesses and did not reject them as equalified without sound reasons based on their capabilities. Any rejection of a minority business based on eck of qualification should have the reasons documented in writing.
ca cre	- (25 pts) Provided assistance to an otherwise qualified minority business in need of equipment, loan pital, lines of credit, or joint pay agreements to secure loans, supplies, or letters of credit, including waiving edit that is ordinarily required. Assisted minority businesses in obtaining the same unit pricing with the dder's suppliers in order to help minority businesses in establishing credit.
ind	- (20 pts) Negotiated joint venture and partnership arrangements with minority businesses in order to crease opportunities for minority business participation on a public construction or repair project when essible.
10 me	- (20 pts) Provided quick pay agreements and policies to enable minority contractors and suppliers to eet cash-flow demands.
ldentii execu	ndersigned, if apparent low bidder, will enter into a formal agreement with the firms listed in the fication of Minority Business Participation schedule conditional upon scope of contract to be sted with the Owner. Substitution of contractors must be in accordance with GS143-128.2(d) e to abide by this statutory provision will constitute a breach of the contract.
	ndersigned hereby certifies that he or she has read the terms of the minority business nitment and is authorized to bind the bidder to the commitment herein set forth.
Date:	Name of Authorized Officer:
	Signature:
	Title:
/	State of, County of
	SEAL Subscribed and sworn to before me thisday of
/	My commission expires

Attach to Bid Attach to Bid

State of North Carolina --AFFIDAVIT B-- Intent to Perform Contract with Own Workforce.

County of		with <u>own</u> workloice.
Affidavit of		
	(Nam	me of Bidder) 0% of the work required for the
		contract.
	(Name of Project)	
of this type project, and norm	ally performs and ha	t the Bidder does not customarily subcontract elements as the capability to perform and will perform <u>all</u> own current work forces; and
		rmation or documentation requested by the owner in ees to make a Good Faith Effort to utilize minority
The undersigned hereby certing Bidder to the commitments hereby certing the state of the commitments hereby certing the commitments hereby certification and the commitment of the commit	ifies that he or she herein contained.	has read this certification and is authorized to bind the
Date:Name of A	Authorized Officer:_	
	Signature:	
	_	
SEAL	Title:_	
State of	, County of	
State of Subscribed and sworn to before Notary Public	me this	day of20

My commission expires_____

State of Nortl	h Carolina - A	AFFIDAV	IT C - I		
Performed by I County of	HUB Certified/I	Minority B	usinesse	es .	
(Note this form is to	<u> </u>	ly by the app	parent lowe	st responsible, res	sponsive bidder.)
If the portion of the v 128.2(g) and 128.4(a bidder must complet This affidavit shall be after notification of b	a),(b),(e) is <u>equal to</u> e this affidavit. e provided by the ap	or greater th	an 10% of th	ne bidders total cont	tract price, then the
Affidavit of				I do hereb	y certify that on the
	(Na	ame of Bidder)			
Project ID#	(Project		\ max.unt of Di	d \$	_
I will expend a minim enterprises. Minorit or providers of prof below.	num of% y businesses will b essional services.	of the total d	ollar amoun as construct will be subc	t of the contract wit	h minority business vendors, suppliers
Name and Phone No		*Minority Category	**HUB	Work Description	Dollar Value
		(E) III	(11)		
*Minority categories: B ** HUB Certification v	Female (F) Soc	ially and Econ	omically Disa	dvantaged (D)	
Pursuant to GS143- work listed in this so this commitment ma	chedule conditional	upon execut	tion of a cor		
The undersigned he authorized to bind th				ns of this commitme	ent and is
Date:N	lame of Authorized	Officer:			
	Si	gnature:			
SEAL					
	State of				
			ne this	day of20_	
	Notary Public				

My commission expires___

State of North Carolina

AFFIDAVIT D - Good Faith Efforts

County of				
(Note this form is to be submi		apparent l	owest responsible, re	sponsive bidder.)
If the goal of 10% participation be provide the following documents				, the Bidder shall
Affidavit of			I do here	by certify that on the
	(Name of Bidd	er)		
Project ID#	(Project Name)	Amount	of Bid \$	
I will expend a minimum of minority business enterprises. I vendors, suppliers or providers following firms listed below. (A	Minority business of professional se	es will be en ervices. Su	mployed as constructio	n subcontractors,
Name and Phone Number	*Minority Category	**HUB Certified Y/N	Work Description	Dollar Value

Examples of documentation that <u>may</u> be required to demonstrate the Bidder's good faith efforts to meet the goals set forth in these provisions include, but are not necessarily limited to, the following:

- A. Copies of solicitations for quotes to at least three (3) minority business firms from the source list provided by the State for each subcontract to be let under this contract (if 3 or more firms are shown on the source list). Each solicitation shall contain a specific description of the work to be subcontracted, location where bid documents can be reviewed, representative of the Prime Bidder to contact, and location, date and time when quotes must be received.
- B. Copies of quotes or responses received from each firm responding to the solicitation.
- C. A telephone log of follow-up calls to each firm sent a solicitation.
- D. For subcontracts where a minority business firm is not considered the lowest responsible sub-bidder, copies of quotes received from all firms submitting quotes for that particular subcontract.
- E. Documentation of any contacts or correspondence to minority business, community, or contractor organizations in an attempt to meet the goal.
- F. Copy of pre-bid roster
- G. Letter documenting efforts to provide assistance in obtaining required bonding or insurance for minority business.
- H. Letter detailing reasons for rejection of minority business due to lack of qualification.
- I. Letter documenting proposed assistance offered to minority business in need of equipment, loan capital, lines of credit, or joint pay agreements to secure loans, supplies, or letter of credit, including waiving credit that is ordinarily required.

Failure to provide the documentation as listed in these provisions may result in rejection of the bid and award to the next lowest responsible and responsive bidder.

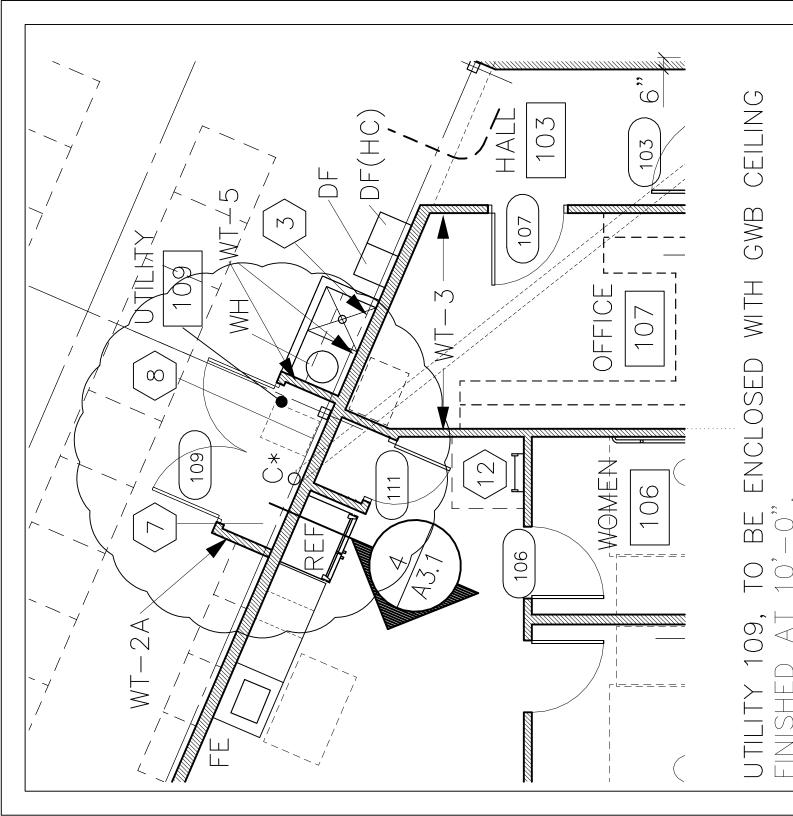
Pursuant to GS143-128.2(d), the undersigned will enter into a formal agreement with Minority Firms for work listed in this schedule conditional upon execution of a contract with the Owner. Failure to fulfill this commitment may constitute a breach of the contract.

^{*}Minority categories: Black, African American (**B**), Hispanic (**H**), Asian American (**A**) American Indian (**I**), Female (**F**) Socially and Economically Disadvantaged (**D**)

^{**} HUB Certification with the state HUB Office required to be counted toward state participation goals.

The undersigned hereby certifies that he or she has read the terms of this commitment and is authorized to bind the bidder to the commitment herein set forth.

Date:	Name of Authorized Officer:		
	Signature:		
	Title:	_	
SEAL	State of, County of Subscribed and sworn to before me thisday of Notary Public My commission expires		



ARCHITECTURE + DESIGN POBOX 77 WIGHTSALLE BEACH NORTH CAROLINA 20400 PHIN: 910.256.0065 REF: PROJ NO: 17–107 DATE: 1–31–19 CAD DWG FILE: 61.2 DRAWN BY: SH

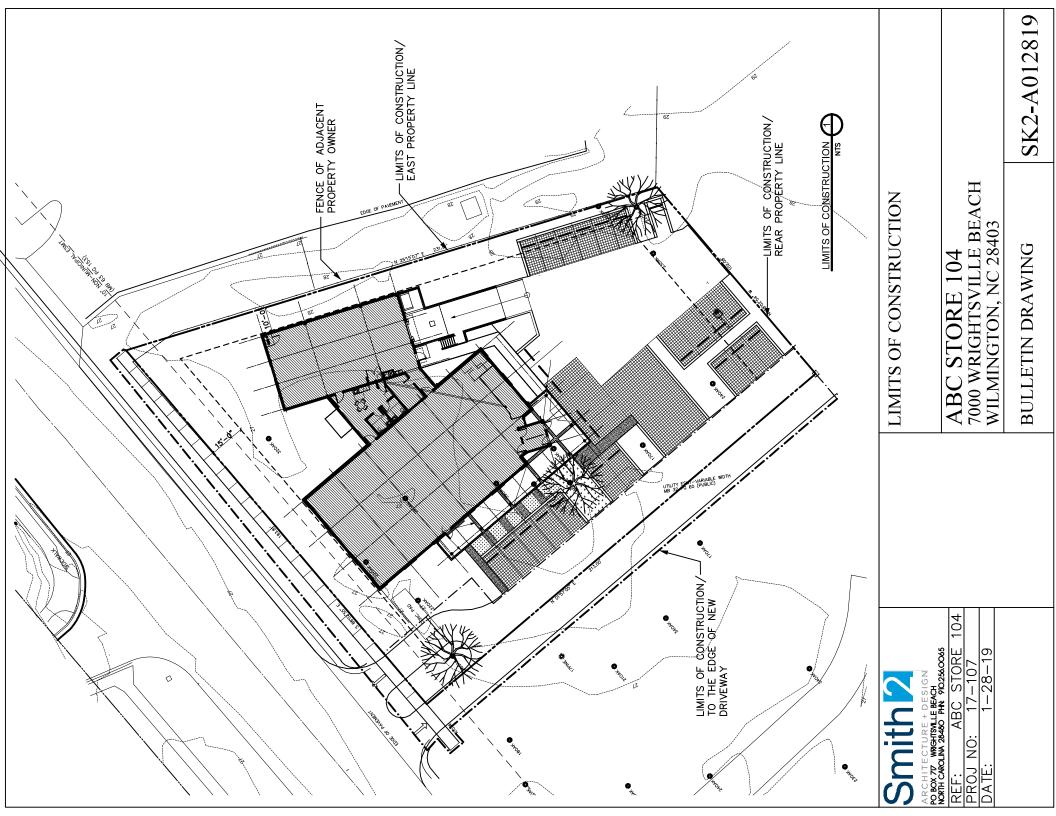
UTILITY 109 ENCLOSED

SK1-A012819

BULLETIN DRAWING

6990 WRIGHTSVILLE AVENUE WILMINGTON, NC 28405

ABC STORE 104



Savvano™ **Decorative LED High Bay**



CAT.# APPROVALS JOB TYPF

SPECIFICATIONS

Applications -

The Hubbell Industrial Savvano™ is perfect for retail, school and light industrial use. Its wide variety of lumen packages and reflector offerings allow it to be tailored to fit almost any light duty interior lighting application.

Construction -

- · Housing: Extruded aluminum interspersed with color accents of painted CRS
- . Heat Sink: Die Cast Aluminum
- Installation: Pendant mount from 3/4" threaded conduit or fixture hook
- Symmetrical for easy one-for-one replacement of existing high bays
- Weight: High bay 38 lbs. Low bay - 32 lbs.

Performance -

- Lumens: 8,000, 12,000, 18,000, 22,000 and 28,000
- LPW (Lumens per watt): up to 123 LPW
- 0 to 10V dimming standard

Shielding (Three Reflector Options) -

- · Clear acrylic
- Translucent White
- Suspended Bead

Lensing -

- CDL Conical Drop Lens
- CLR Clear Acrylic Lens
- DLR Dropped Lens Refractor
- P95 Frosted Acrylic Lens

Electrical -

- Total input wattage of 73W/95W/153W/177W/219W
- Replacement for 400W/250W/175W/100W HID high bay
- Universal voltage of 120VAC 277VAC
- 480VAC/347VAC
- Surge protection standard 10KV



· Five years warranty (Terms and Conditions apply)

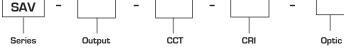
Certifications -

• Tested by CSA to the UL 1598 Damp Location Standard









SERIES		
SAV	Sawano™ LED High Bay	

OUTPUT

LH	Low bay Low Output (8,000 lm)
LX	Low bay Med Output (12,000 lm)
ML	High bay Low Output (18,000 lm)
MM	High bay Med Output (22,000 lm
MH	High bay High Output (28,000 lm

CCT

27	2700K	
30	3000K	
35	3500K	
40	4000K	
50	5000K	

CRI 80 CRI 90 CRI

OPTIC Low Bay - 16" SB16 Suspended Bead WA16 Clear Acrylic WW16 Translucent White High Bay - 22" SR22 Suspended Bead

Clear Acrylic

Translucent White

LENSING

WA22

WW22

N	None	
P95	Frosted Acryl	ic Lens
CDL	Conical Drop Lens	
CLR	Clear Acrylic Lens	
DLR	Dropped Lens Refractor	



VOLTAGE

U	Universal	
1	120V	
2	208V	
3	240V	
4	277V	
F	347V	
5	480V	

COLOR						
WW	White Wash					
GG	Gunmetal Gray					
BL	Black					
RD	Red					
BS	Blue Steel					
CH	Champagne					
HG	Hunter Green					
SB	Serenity Blue					
CR	Currant					
WN	Wine					
Notes: Custom colors available upon request.						

Please consult factory for details.

OPTIONS

OPTIONS)
F(x)	Fusing
C(y)HLP(x)	Cord, Hook, Loop & Plug (15A)
SCL	Sensor Control, Low Voltage ^{1,2}
WG23A	Bottom Wire Guard for SB22,
	WA22, WW22
WG16	Bottom Wire Guard for SB16,
	WA16 and WW16

Notes

¹ SCL limits ambient temperature to no more

² SCL is available in 120V, 277V and 347V only

Replace (X) with the voltage, 1=120V, 2=208V. 3=240V and 4=277V.

Replace (y) with the length. 4=4ft, 6=6ft, 8=8ft., 10=10ft., 12=12ft.

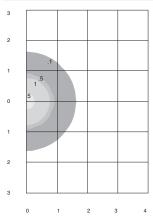
PHOTOMETRIC DATA: SAV-LH-35-8-SB16-N-U-GG

LUMINAIRE DATA

SAV-LH-35-8-SB16-N-U-GG							
Savanno™ decorative LED high bay 16" with							
suspended bead refractor							
BALLAST	BALLAST HLG-40H-54B						
Lamp		LED					
Lumens		8,330					
Watts		72.70					
Efficacy		115					
Mounting		Pendant					
Spacing Crite	rion (0-90)	0.96					

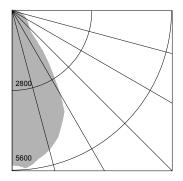
ZONE	LUMENS	% FIXT.
0-30	3869	46.5
0-40	5290	63.5
0-60	6598	79.2
0-90	7758	93.1
0-180	8330	100.0

ISOMETRIC FOOT CANDLES



Distance In Units Of Mounting Height
Values Based On 30 Foot Mounting Height
1/2 Maximum Candela Trace Shown As Dashed Curve
(+) = Maximum Candela Point

POLAR GRAPH



PHOTOMETRIC DATA: SAV-ML-35-8-WA22-N-U-GG

LUMINAIRE DATA

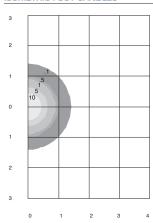
SAV-ML-35-8-WA22-N-U-GG

Savanno™ decorative LED high bay 22" with clear acrylic refractor

BALLAST HLG	-120H-1400B
Lamp	LED
Lumens	17,040
Watts	154.0
Efficacy	111
Mounting	Pendant
Spacing Criterion (O	-90) 0.94

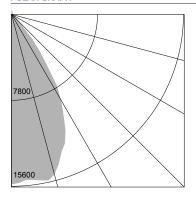
ZONE	LUMENS	% FIXT.
0-30	10,824	63.5
0-40	14,408	84.6
0-60	15,809	92.8
0-90	16,198	95.1
0-180	17,040	100.0

ISOMETRIC FOOT CANDLES



Distance In Units Of Mounting Height
Values Based On 30 Foot Mounting Height
1/2 Maximum Candela Trace Shown As Dashed Curve
(+) = Maximum Candela Point

POLAR GRAPH



PHOTOMETRIC DATA: SAV-MH-50-8-WW22-N-U-GG

LUMINAIRE DATA

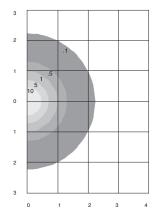
SAV-MH-50-8-WW22-N-U-GG

Savanno $\!\!\!^\mathsf{TM}$ decorative LED high bay 22" with translucent white acrylic reflector

BALLAST	HLG-240H-	C1400B
Lamp		LED
Lumens		25,523
Watts		219.3
Efficacy		116
Mounting		Pendant
Spacing Criter	ion (0-90)	1.02

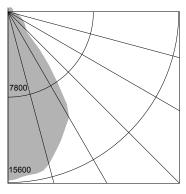
ZONE	LUMENS	% FIXT.
0-30	11,066	43.4
0-40	15,995	62.7
0-60	19,652	77.0
0-90	22,566	88.4
0-180	25,523	100.0

ISOMETRIC FOOT CANDLES



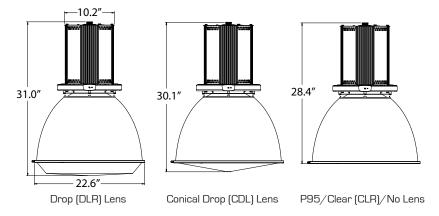
Distance In Units Of Mounting Height Values Based On 30 Foot Mounting Height 1/2 Maximum Candela Trace Shown As Dashed Curve (+) = Maximum Candela Point

POLAR GRAPH

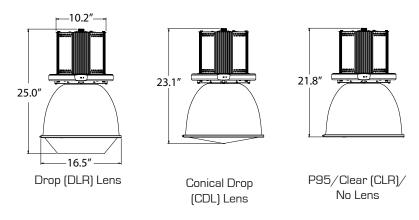


DIMENSIONS

22" Option



16" Option



REPLACEMENT PARTS

	PART NAME	DESCRIPTION	P/N	QTY
		LED Board - MH Output, 3500K CCT, 80 CRI	93076455-2005	1
		LED Board - MM Output, 3500K CCT, 80 CRI	93077856-2005	1
LED BOARDS	LED PCBA	LED Board - ML Output, 3500K CCT, 80 CRI	93077667-2005	1
		LED Board - LX Output, 3500K CCT, 80 CRI	93076354-2005	1
		LED Board - LH Output, 3500K CCT, 80 CRI	93078098-2005	1
		MH Output - 120V-277V	93080133	1
		MH Output - 347V-480V	93081746	1
		MM Output - 120V-277V	93080969	1
		MM Output - 347V-480V	93081746	1
DRIVERS	LED	ML Output - 120V-277V	93080970	1
DHIVERS	DRIVER	ML Output - 347V-480V	93081769	1
		LX Output - 120V-277V	93076331-800	2
		LX Output - 347V-480V	93077419-800	2
		LH Output - 120V-277V	93077416-600	2
		LH Output - 347V-480V	93077419-600	2

SAVVANO™ - DECORATIVE LED HIGH BAY

ELECTRICAL DATA

		001	0551 50700	. 51.10	0.17.0700.10	LUMEN		LUMINAIRE	AMBIENT	SPACING			AM	PS		
LUMENS	CCT	CRI	REFLECTOR	LENS	CAT STRING	OUTPUT	WATTS	EFFICACY	TEMP RATING	RATIO	120V	208V	240V	277V	347V	480V
LH	2700	80	SB16	N	SAV-LH-27-8-SB16-N-X-XX	7880		108.4	50°C	0.97						
LH	2700	80	WA16	N	SAV-LH-27-8-WA16-N-X-XX	7702		105.9	50°C	0.9						
LH	2700	80	WW16	N	SAV-LH-27-8-WW16-N-X-XX	7554		103.9	50°C	0.98						
LH	3000	80	SB16	N	SAV-LH-30-8-SB16-N-X-XX	8055		110.8	50°C	0.97						
LH	3000	80	WA16	N	SAV-LH-30-8-WA16-N-X-XX	7873		108.3	50°C	0.9						
LH	3000	80	WW16	N	SAV-LH-30-8-WW16-N-X-XX	7722		106.2	50°C	0.98						
LH	3500	80	SB16	N	SAV-LH-35-8-SB16-N-X-XX	8329		114.6	50°C	0.97						
LH	3500	80	WA16	N	SAV-LH-35-8-WA16-N-X-XX	8142	73	112	50°C	0.9	0.61	0.35	0.31	0.27	0.21	0.15
LH	3500	80	WW16	N	SAV-LH-35-8-WW16-N-X-XX	7986		109.8	50°C	0.98						
LH	4000	80	SB16	N	SAV-LH-40-8-SB16-N-X-XX	8454		116.3	50°C	0.97						
LH	4000	80	WA16	N	SAV-LH-40-8-WA16-N-X-XX	8264		113.7	50°C	0.9						
LH	4000	80	WW16	N	SAV-LH-40-8-WW16-N-X-XX	8105		111.5	50°C	0.98						
LH	5000	80	SB16	N	SAV-LH-50-8-SB16-N-X-XX	8679		119.4	50°C	0.97						
LH	5000	80	WA16	N	SAV-LH-50-8-WA16-N-X-XX	8484		116.7	50°C	0.9						
LH	5000	80	WW16	N	SAV-LH-50-8-WW16-N-X-XX	8321		114	50°C	0.98						
LX	2700	80	SB16	N	SAV-LX-27-8-SB16-N-X-XX	10666		111.6	50°C	0.96						
LX	2700	80	WA16	N	SAV-LX-27-8-WA16-N-X-XX	10352		107.8	50°C	0.89						
LX	2700	80	WW16	N	SAV-LX-27-8-WW16-N-X-XX	10201		106.7	50°C	0.97						
LX	3000	80	SB16	N	SAV-LX-30-8-SB16-N-X-XX	10903		114	50°C	0.96						
LX	3000	80	WA16	N	SAV-LX-30-8-WA16-N-X-XX	10581		110.2	50°C	0.89						
LX	3000	80	WW16	N	SAV-LX-30-8-WW16-N-X-XX	10427		109.1	50°C	0.97						
LX	3500	80	SB16	N	SAV-LX-35-8-SB16-N-X-XX	11275		117.9	50°C	0.96						
LX	3500	80	WA16	N	SAV-LX-35-8-WA16-N-X-XX	10942	95	114	50°C	0.89	0.81	0.47	0.41	0.36	0.28	0.20
LX	3500	80	WW16	N	SAV-LX-35-8-WW16-N-X-XX	10783		112.8	50°C	0.97						
LX	4000	80	SB16	N	SAV-LX-40-8-SB16-N-X-XX	11444		119.7	50°C	0.96						
LX	4000	80	WA16	N	SAV-LX-40-8-WA16-N-X-XX	11107		115.7	50°C	0.89						
LX	4000	80	WW16	N	SAV-LX-40-8-WW16-N-X-XX	10945		117.5	50°C	0.97						
LX	5000	80	SB16	N	SAV-LX-50-8-SB16-N-X-XX	11749		122.9	50°C	0.96						
LX	5000	80	WA16	N	SAV-LX-50-8-WA16-N-X-XX	11380		118.5	50°C	0.89						
LX	5000	80	WW16	N	SAV-LX-50-8-WW16-N-X-XX	11236		117.5	50°C	0.97						
ML	2700	80	SB22	N	SAV-ML-27-8-SB22-N-X-XX	17150		111.7	40°C	0.99						
ML	2700	80	WA22	N	SAV-ML-27-8-WA22-N-X-XX	16120		104.7	40°C	0.94						
ML	2700	80	WW22	N	SAV-ML-27-8-WW22-N-X-XX	16913		110.4	40°C	1.02						
ML	3000	80	SB22	N	SAV-ML-30-8-SB22-N-X-XX	17530		114.1	40°C	0.99						
ML	3000	80	WA22	N	SAV-ML-30-8-WA22-N-X-XX	16477		107	40°C	0.94						
ML	3000	80	WW22	N	SAV-ML-30-8-WW22-N-X-XX	17288		112.8	40°C	1.02						
ML	3500	80	SB22	N	SAV-ML-35-8-SB22-N-X-XX	18129		118	40°C	0.99						
ML	3500	80	WA22	N	SAV-ML-35-8-WA22-N-X-XX	17040	153	110.6	40°C	0.94	1.25	0.73	0.64	0.57	0.45	0.34
ML	3500	80	WW22	N	SAV-ML-35-8-WW22-N-X-XX	17878		116.7	40°C	1.02						
ML	4000	80	SB22	N	SAV-ML-40-8-SB22-N-X-XX	18400		119.8	40°C	0.99						
ML	4000	80	WA22	N	SAV-ML-40-8-WA22-N-X-XX	17295		112.3	40°C	0.94	1					
ML	4000	80	WW22	N	SAV-ML-40-8-WW22-N-X-XX	18146		118.4	40°C	1.02	1					
ML	5000	80	SB22	N	SAV-ML-50-8-SB22-N-X-XX	18890		123	40°C	0.99	1					
ML	5000	80	WA22	N	SAV-ML-50-8-WA22-N-X-XX	17755		115.3	40°C	0.94	1					
ML	5000	80	WW22	N	SAV-ML-50-8-WW22-N-X-XX	18629	1	121.6	40°C	1.02	1					
											-					

SAVVANO™ - DECORATIVE LED HIGH BAY

LUMENS	ССТ	CRI	REFLECTOR	REFLECTOR LENS CAT STRING LUMEN WATTS LUMINAIRE TEMP						SPACING		AMPS					
LOIVILINO	001	Ci ii	TIEL EEG TON	LLINO	GAT STITING	OUTPUT	WAIIS	EFFICACY	RATING	RATIO	120V	208V	240V	277V	347V	480V	
MM	2700	80	SB22	N	SAV-MM-27-8-SB22-N-X-XX	19200		108.1	40°C	0.99							
MM	2700	80	WA22	N	SAV-MM-27-8-WA22-N-X-XX	18280		102.9	40°C	0.93							
MM	2700	80	WW22	N	SAV-MM-27-8-WW22-N-X-XX	19197		108.3	40°C	1.02							
MM	3000	80	SB22	N	SAV-MM-30-8-SB22-N-X-XX	19626		110.5	40°C	0.99							
MM	3000	80	WA22	N	SAV-MM-30-8-WA22-N-X-XX	18686		105.2	40°C	0.93							
MM	3000	80	WW22	N	SAV-MM-30-8-WW22-N-X-XX	19624		110.7	40°C	1.02							
MM	3500	80	SB22	N	SAV-MM-35-8-SB22-N-X-XX	20296		114.3	40°C	0.99							
MM	3500	80	WA22	N	SAV-MM-35-8-WA22-N-X-XX	19324	177	108.7	40°C	0.93	1.48	0.86	0.77	0.68	0.52	0.38	
MM	3500	80	WW22	N	SAV-MM-35-8-WW22-N-X-XX	20293		114.5	40°C	1.02							
MM	4000	80	SB22	N	SAV-MM-40-8-SB22-N-X-XX	20600		116	40°C	0.99							
MM	4000	80	WA22	N	SAV-MM-40-8-WA22-N-X-XX	19614		110.4	40°C	0.93							
MM	4000	80	WW22	N	SAV-MM-40-8-WW22-N-X-XX	20598		116.2	40°C	1.02							
MM	5000	80	SB22	N	SAV-MM-50-8-SB22-N-X-XX	21148		119.1	40°C	0.99							
MM	5000	80	WA22	N	SAV-MM-50-8-WA22-N-X-XX	20136		113.3	40°C	0.93							
MM	5000	80	WW22	N	SAV-MM-50-8-WW22-N-X-XX	21146		119.3	40°C	1.02							
MH	2700	80	SB22	N	SAV-MH-27-8-SB22-N-X-XX	23041		103.6	40°C	1							
MH	2700	80	WA22	N	SAV-MH-27-8-WA22-N-X-XX	22107		99.4	40°C	0.93							
MH	2700	80	WW22	N	SAV-MH-27-8-WW22-N-X-XX	23172		105.7	40°C	1.02							
MH	3000	80	SB22	N	SAV-MH-30-8-SB22-N-X-XX	23553		114.2	40°C	1							
MH	3000	80	WA22	N	SAV-MH-30-8-WA22-N-X-XX	22598		101.7	40°C	0.93							
MH	3000	80	WW22	N	SAV-MH-30-8-WW22-N-X-XX	23686		108	40°C	1.02							
MH	3500	80	SB22	N	SAV-MH-35-8-SB22-N-X-XX	24356		109.6	40°C	1							
MH	3500	80	WA22	N	SAV-MH-35-8-WA22-N-X-XX	23369	219	105.1	40°C	0.93	1.83	1.04	0.92	0.81	0.64	0.47	
MH	3500	80	WW22	N	SAV-MH-35-8-WW22-N-X-XX	24495		111.7	40°C	1.02							
MH	4000	80	SB22	N	SAV-MH-40-8-SB22-N-X-XX	24722		114.2	40°C	1							
MH	4000	80	WA22	N	SAV-MH-40-8-WA22-N-X-XX	23720		106.7	40°C	0.93							
MH	4000	80	WW22	N	SAV-MH-40-8-WW22-N-X-XX	24862		113.4	40°C	1.02							
MH	5000	80	SB22	N	SAV-MH-50-8-SB22-N-X-XX	25379		114.2	40°C	1							
MH	5000	80	WA22	N	SAV-MH-50-8-WA22-N-X-XX	24351		109.5	40°C	0.93							
MH	5000	80	WW22	N	SAV-MH-50-8-WW22-N-X-XX	25523		116.3	40°C	1.02							





CAT.# APPROVALS JOB TYPF

SPECIFICATIONS

Applications -

The Hubbell Industrial UTB2 is a versatile high bay designed to light gyms, industrial, multipurpose rooms in schools and churches and retail. Its simple, straightforward design is meant to provide high quality light economically. It is available in 3 lumen packages, 3 CRIs and 4 CCTs. Five different reflector options are offered, all 16" in diameter at the bottom. Clear acrylic, translucent white, opalescent acrylic and suspended bead options are available as well as a 16" spun aluminum reflector. There are three lens options and several other mounting accessories including cord and plug options and bottom wire guards.

Construction -

- Housing: Die Cast Aluminum
- Installation: Pendant mount from 3/4" threaded conduit or fixture hook
- Symmetrical for easy one-for-one replacement of existing high bays
- Weight: 15 lbs.

Performance -

- Lumens: 12,000, 18,000, 24,000
- Up to 170 lm/W
- 0 to 10V dimming standard

Shielding (Five Reflector Options) -

- Clear Acrylic
- Translucent White
- Opalescent Acrylic
- Suspended Bead
- Anodized Aluminum

Electrical -

UTB

- Replacement for 400W/250W HID high bay
- Universal voltage of 120VAC 277VAC
- 480VAC/347VAC





Warranty -

· Five years warranty (Terms and Conditions apply)

Certifications -

CSA certified to UL1598 for Damp Location and UL924



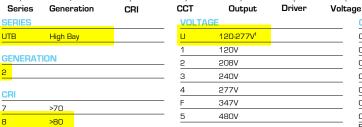








ORDERING INFORMATION



30	JUUUK	
35	3500K	
40	4000K	
50	5000K	

>90

20001/

OUTPUT

LX	Low Lumen (12,000 lm)							
LXHE	Low Lumen High Efficacy (12,000 lm)							
MM	Medium Lumen (18,000 lm)							
MMHE	Medium Lumen High Efficacy							
	(18,000 lm)							
МН	High Lumen (24,000 lm)							
MHHE	High Lumen High Efficacy (24,000 lm)							

DRIVER

FD	0-10V Dimming to 10%

ED

OPTIC

WA16	Clear Acrylic 16"	
WW16	Translucent White 16"	
OP16	Opalescent Acrylic 16"	
SB16	Suspended Bead 16"	
AL16	Anodized Aluminum 16"	
N	No Optic	

N	None	
CDL	Conica	Drop Lens
DLR	Droppe	d Lens Refractor
P95	Froste	d Acrylic Lens

COLOR

BL	Black	
GR	Gray	
WH	White	
CC	Custom Color	

Optic **OPTIONS**

C(y)HLP(x)(z)	Cord, Hook, Loop & Plug ^{2,3}
C4HL	4' Cord w/ Hook/Loop
C6HL	6' Cord w/ Hook/Loop
C8HL	8' Cord w/ Hook/Loop
C10HL	10' Cord w/ Hook/Loop
C12HL	12' Cord w/ Hook/Loop
CGS	Clear Glass LED Shield
ELL14	Emergency Backup, 1400 Lumens (BSL310SB) ^{4,5}
F(x)	Fusing ^{2,5}
SP	10KV Surge protector
	(voltage specific)

Lens

Color

CONTROL OPTIONS

NXWD	NX Wireless Enabled, Dual
	SmartPorts ^{6,7}
NXSWD	NX Wireless, PIR Occupancy Sensor,
	Dimming Daylight Harvesting, Dual
	SmartPorts, 1:1.1 Mounting Height
	to Coverage Ratio ^{6,7}
NXSPH	NX, PIR Occupancy Sensor, Dimming
	Daylight Harvesting, High Mount,
	1:1.1 Mounting Height to Coverage
	Dotio 6.7

NX Wireless Enabled^{6,7}

Ratio⁶ NX Enabled, PIR Occupancy Sensor, NXESPH Dimming Daylight Harvesting, High Mount, 1:1.1 Mounting Height to Coverage Ratio^{6,7}

NXSPWH NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, High Mount, 1:1.1 Mounting Height to Coverage Ratio^{6,7}

Options **Control Options** CONTROL OPTIONS CONT'D

ORDER EXAMPLE: UTB2-730-LX-ED1-WA16-DLR-WH-C6HLP115A

SUL	Un/ Uff Ucc. Sensor, Low Voltage,
	1:25 Mounting Height to
	Coverage Ratio ^{5,6,9}
SCD	Dim. Occ. Sensor, Line Voltage,
	1:25 Mounting Height to Coverage
	Ratio ^{5,6,9}

LV Lutron Vive™ Enabled^{5,6,8}

Notes

- Not available with voltage specific cord or fuse options.
- Replace [X] with the voltage, 1=120V, 2=208V. 3=240V, 4=277V, F= 347V, 5=480V.
- Replace (Y) with the length. 4=4ft, 6=6ft, 8=8ft., 10=10ft., 12=12ft. Replace (Z) with 15A or 20A.
- ELL14 Not available with Fusing F(x) or Surge Protector - SP
- Not available with 347V or 480V
- Not available with any other control options.
- Not available with 480V
- VIVE is a trademark of Lutron Electronic
- Not available with N No Optic

ACCESSORIES

WG-16	Wire Guard - Full Cage
WG-16D	Wireguard - Full Cage with Deep
	Lens Bottom Cover for CDL or DLR
	Lens option
WG-16S	Wireguard - Full Cage with Shallow
	Lens Bottom Cover for P95
	Lens option
UTB-TLR	Luminaire Retainer

PERFORMANCE TABLE

	5000 CCT, 80 CRI																			
				LX			LXHE			MM			MMHE			MH			MHHE	
	Reflector	Bottom Lens	Lumen Output	Watts	Lm/w															
	N	N	13126	84	156	13144	76	172	19390	128	151	19663	119	165	25700	168	153	25993	160	162
		N	12751	84	151	12764	76	167	18846	128	148	19100	119	161	24966	168	149	25259	160	158
	WA16	CDL	11940	84	142	11950	76	157	17823	128	140	17885	119	150	23377	168	140	23652	160	148
	VVAIG	DLR	11415	84	135	11427	76	150	16872	128	132	17101	119	144	22352	168	133	22615	160	141
		P95	11997	84	142	12008	76	157	17730	128	139	17971	119	151	23488	168	140	23765	160	148
		N	11822	84	140	11834	76	155	17472	128	137	17709	119	149	23146	168	138	23417	160	146
	WW16	CDL	10814	84	128	10825	76	142	15982	128	125	16199	119	136	21172	168	126	21422	160	134
		DLR	10215	84	121	10225	76	134	15097	128	118	15302	119	129	20000	168	119	20235	160	126
GLASS LENS		P95	10934	84	130	10943	76	143	16158	128	127	16376	119	138	21405	168	128	21657	160	135
S		N	12729	84	151	12741	76	167	18813	128	148	19068	119	160	24922	168	149	25215	160	157
AS	OP16	CDL	12028	84	143	12039	76	158	17776	128	139	18017	119	151	23550	168	141	23826	160	149
		DLR	11588	84	138	11599	76	152	17127	128	134	17358	119	146	22690	168	135	22955	160	143
ON		P95	12074	84	143	12086	76	158	17846	128	140	18087	119	152	23641	168	141	23918	160	149
		N	12820	84	152	12833	76	168	18948	128	149	19089	119	160	25103	168	150	25397	160	159
	SB16	CDL	12113	84	144	12125	76	159	17903	128	140	18144	119	152	23716	168	142	23995	160	150
		DLR	11602	84	137	11613	76	152	17147	128	134	17380	119	146	22715	168	136	22982	160	144
		P95	12148	84	144	12159	76	159	17955	128	141	18198	116	157	23785	168	142	24064	160	150
		N	10874	84	129	10885	76	143	16074	128	126	16291	119	137	21292	168	127	21542	160	135
	AL16	CDL	9759	84	116	9769	76	128	14426	128	113	14621	119	123	19110	168	114	19333	160	121
		DLR	8924	84	106	8933	76	117	13191	128	103	13370	119	112	17473	168	104	17679	160	110
		P95	9623	84	114	9633	76	126	14224	128	112	14416	119	121	18842	168	112	19062	160	119
	N	N	11975	84	142	11987	76	157	17699	128	139	17938	119	151	23446	168	140	23722	160	148
		N	11629	84	138	11641	76	153	17188	128	135	17418	119	146	22769	168	136	23036	160	144
		CDL	10889	84	129	10998	76	144	16093	128	126	16311	119	137	21320	168	127	21570	160	135
	WA16	DLR	10411	84	124	10422	76	137	15388	128	121	15595	119	131	20385	168	122	20625	160	129
		P95	10940	84	130	10952	76	144	16170	128	127	16389	119	138	21422	168	128	21675	160	135
		N	10781	84	128	10792	76	141	15935	128	125	16150	119	136	21110	168	126	21357	160	133
		CDL	9861	84	117	9872	76	129	14576	128	114	14773	119	124	19310	168	115	19536	160	122
	WW16	DLR	9316	84	111	9325	76	122	13769	128	108	13955	119	117	18240	168	109	18455	160	115
GS		P95	9970	84	118	9980	76	131	14736	128	116	14935	119	126	19521	168	117	19751	160	123
S LENS CGS		N	11609	84	138	11620	76	152	17158	128	135	17389	119	146	22730	168	136	22996	160	144
L E		CDL	10968	84	130	10980	76	144	16211	128	127	16432	119	138	21478	168	128	21730	160	136
ťΩ	OP16	DLR	10568	84	125	10579	76	139	15620	128	123	15831	119	133	20693	168	124	20936	160	131
GLA		P95	11011	84	131	11022	76	144	16275	128	128	16494	119	139	21560	168	129	21814	160	136
٠		N	11692	84	139	11704	76	153	17281	128	136	17514	119	147	22893	168	137	23162	160	145
	on : -	CDL	11046	84	131	11059	76	145	16328	128	128	16548	119	139	21629	168	129	21883	160	137
	SB16	DLR	10580	84	125	10590	76	139	15638	128	123	15850	119	133	20717	168	124	20960	160	131
		P95	11078	84	131	11089	76	145	16375	128	128	16596	119	139	21692	168	130	21947	160	137
		N	9918	84	117	9928	76	130	14658	128	115	14856	119	125	19418	168	116	19647	160	123
		CDL	8901	84	106	8910	76	117	13156	128	103	13333	119	112	17428	168	104	17633	160	110
	AL16	DLR	8139	84	96	8147	76	107	12029	128	94	12192	119	102	15937	168	95	16124	160	101
		P95	8777	84	104	8785	76	115	12971	128	102	13147	119	110	17184	168	103	17386	160	109

CONVERSION DATA

LUMEN CONVERSION FACTOR (CGS OPTION)

0.91

LUMEN CONVERSION TABLE										
CCT	to 70 CRI	to 90 CRI								
3000K	1.09	0.82								
3500K	1.09	0.86								
4000K	1.08	0.86								
5000K	1.04	0.86								

ELECTRICAL DATA

		AMBIENT TEMPERATURE					AMPE	RAGE		POWER	FACTOR	THD						
LUMEN PACKAGE	NOMINAL LUMENS	120-277V	347/480V	NOMINAL INPUT WATTS	120V	208V	240V	277V	347V	480V	120-277V	347/480	120-277V	347/480				
LX	12,000							84	0.72 A	0.40 A	0.36 A	0.31 A	0.24 A	0.18 A	0.99	0.96	9.5	9.3
LXHE	12,000	3E°C to CE°C	C to 65°C -40°C to 65°C	79	0.66 A	0.39 A	0.34 A	0.29 A	0.23 A	0.17 A	0.99	0.96	9.7	9.5				
MM	18,000	-35.0 10 65.0		128	1.09 A	0.62 A	0.55 A	0.48 A	0.36 A	0.27 A	0.99	0.96	11.8	11.5				
MMHE	18,000			119	1.02 A	0.59 A	0.52 A	0.46 A	0.35 A	0.26 A	0.99	0.96	9.7	9.5				
MH	24,000	-35°C to 55°C	05:0. 55:0	40°C to EE°C	168	1.43 A	0.82 A	0.71 A	0.62 A	0.48 A	0.35 A	0.99	0.96	10.0	9.8			
MHHE	24,000		55°C -40°C to 55°C	160	1.36 A	0.79 A	0.69 A	0.60 A	0.46 A	0.33 A	0.99	0.96	9.7	9.5				

LIFE DATA

	LUMEN PACKAGE	NOMINAL LUMENS	AMBIENT OPERATING TEMPERATURE	L ₇₀	L ₈₀	L ₉₀
	LX	12,000	25°C	193,000	120,000	56,000
	LX	12,000	65°C	127,000	80,000	38,000
	LXHE 12.000	12,000	25°C	193,000	120,000	56,000
	LAME	12,000	65°C	127,000	80,000	38,000
	MM	18,000	25°C	193,000	120,000	56,000
Calculated	18,000	65°C	127,000	80,000	38,000	
Hours	MMHE	IE 18,000	25°C	193,000	120,000	56,000
	IVIIVINE		65°C	127,000	80,000	38,000
	MH	04.000	25°C	184,000	115,000	53,000
	MH 24,000	55°C	148,000	93,000	44,000	
	MHHE	24,000	25°C	184,000	115,000	53,000
	IVII IME	24,000	55°C	148,000	93,000	44,000

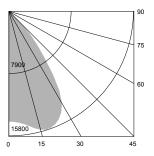
PHOTOMETRIC DATA: UTB2-8-50-MHHE-WW-X-AL16-N-YY-ZZZZ TEST NO. 20867

LUMINAIRE DATA

UTB2-8-50-MHHE-WW-X-AL16-N-YY-ZZZZ				
UTB2 High Bay with Open-Bottom AL16 Reflector				
BALLAST XI095C2	75V054BSF1			
Lamp	LED			
Lumens	21,542			
Watts	160.10			
Efficacy	135			
Mounting	Pendant			
Spacing Criterion (0-90)	1.10			
Luminous Opening (ft)	1.33			

Luminous Opening (ft) 1.33					
ZONE	LUMENS	% FIXT.			
0-30	12,609	58.5			
0-40	18,602	86.4			
0-60	21,185	98.3			
0-90	21,492	99.8			
0-180	21,542	100.0			

POLAR GRAPH



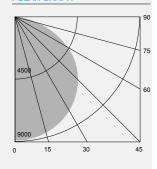
PHOTOMETRIC DATA: UTB2-8-50-MHHE-WW-X-N-N-YY-ZZZZ

LUMINAIRE DATA

UTB2-8-50-MHHE-WW-X-N-N-YY-ZZZZ UTB2 High Bay with No Enclosure or Reflector				
BALLAST	BALLAST XI095C275V054BSF1			
Lamp		LED		
Lumens		25,993		
Watts		160.08		
Efficacy		162		
Mounting		Pendant		
Spacing Criterion (0-90)		1.29		
Luminous Opening (ft)		0.53		
ZONE	LUME	NS	% FIXT.	

g ()				
ZONE	LUMENS	% FIXT.		
0-30	7028	27.0		
0-40	11,620	44.7		
0-60	20,974	80.7		
0-90	25,993	100.0		
0-180	25,993	100.0		

POLAR GRAPH



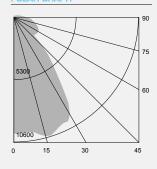
PHOTOMETRIC DATA: UTB2-8-50-MHHE-WW-X-OP16-N-YY-ZZZZ TEST NO. 20859

LUMINAIRE DATA

UTB2-8-50-MHHE-WW-X-OP16-N-YY-ZZZZ		
UTB2 High Bay with Open-Bottom OP16 Reflector		
BALLAST XI095C275V054BSF1		
Lamp	LED	
Lumens	25,215	
Watts	160.10	
Efficacy	157	
Mounting	Pendant	
Spacing Criterion (0-90)	1.15	
Luminous Opening (ft)	1.35	

ZONE	LUMENS	% FIXT.
0-30	8471	33.6
0-40	12966	51.4
0-60	17724	70.3
0-90	23308	92.4
0-180	25215	100.0

POLAR GRAPH

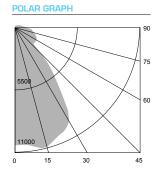


PHOTOMETRIC DATA: UTB2-8-50-MHHE-WW-X-SB16-N-YY-ZZZ TEST NO. 20863

LUMINAIRE DATA

LUIVIINAINE DATA				
UTB2-8-50-MHHE-WW-X-SB16-N-YY-ZZZ				
UTB2 High Bay with Open-Bottom SB16 Reflector				
BALLAST XI095C275V054BSF1				
Lamp	LED			
Lumens	25,397			
Watts	160.10			
Efficacy	159			
Mounting	Pendant			
Spacing Criterion (0-90)	1.14			
Luminous Opening (ft)	1.33			
•				

ZONE	LUMENS	% FIXT.
0-30	8663	34.1
0-40	13,195	52.0
0-60	17,692	69.7
0-90	22,874	90.1
0-180	25,397	100.0



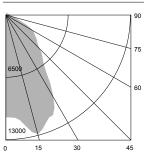
PHOTOMETRIC DATA: UTB2-8-50-MHHE-WW-X-WA16-N-YY-ZZZZ TEST NO. 20850

LUMINAIRE DATA

UTB2-8-50-MHHE-WW-X-WA16-N-YY-ZZZZ			
UTB2 High Bay with Open-Bottom WA16 Reflector			
BALLAST XI095C275V054BSF1			
Lamp	LED		
Lumens	25,259		
Watts	160.10		
Efficacy	158		
Mounting	Pendant		
Spacing Criterion (0-90)	1.18		
Luminous Opening (ft)	1.35		

ZONE	LUMENS	% FIXT.
0-30	9762	38.6
0-40	14,425	57.1
0-60	21,455	84.9
0-90	24,176	95.7
0-180	25,259	100.0

POLAR GRAPH



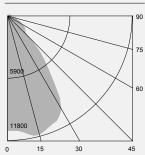
PHOTOMETRIC DATA: UTB2-8-50-MHHE-WW-X-WW16-N-YY-ZZZZ TEST NO. 20855

LUMINAIRE DATA

UTB2-8-50-MHHE-WW-X-WW16-N-YY-ZZZZ				
UTB2 High Bay with Open-Bottom WW16				
Reflector				
BALLAST XI095C2	75V054BSF1			
Lamp	LED			
Lumens	23,417			
Watts	160.10			
Efficacy	146			
Mounting	Pendant			
Spacing Criterion (0-90)	1.15			
Luminous Opening (ft)	1.35			

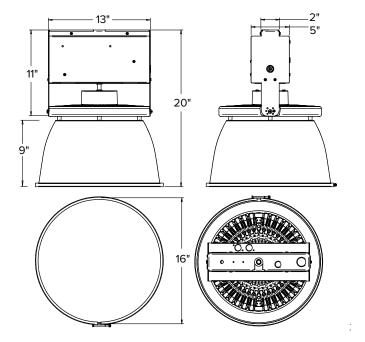
ZONE	LUMENS	% FIXT.
0-30	9320	39.8
0-40	14,163	60.5
0-60	18,616	79.5
0-90	21,567	92.1
0-180	23,417	100.0

POLAR GRAPH

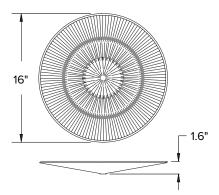


DIMENSIONS

No Lens



Conical Drop Lens (CDL)



Dropped Lens Refractor (DLR)

