HUBBELL Industrial Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

UTILIBAY™

UTB2 HIGH BAY

UTILIBAY™

FEATURES

- Designed for light industrial and multi-purpose areas including gyms, schools, churches and retail spaces
- Five reflector and three lens options for shielding variety
- Standard and high efficacy versions available
- Replaces 250W/400W HID high bays
- Ambient operation up to 65°C; see table provided for details
- Enhanced control options with NX Distributed Intelligence™

RELATED PRODUCTS

- CRN - Wet Location High Bay
- PEL - High Performance High Bay
- HBL - Heavy Industrial High Bay

CONTROL TECHNOLOGY

NX DISTRIBUTED INTELLIGENCE™

SPECIFICATIONS

CONSTRUCTION

- Housing: Die-Cast Aluminum
- Pendant mount installation from ¾" threaded conduit or fixture hook
- Symmetrical design for easy one-for-one replacement of existing high bays
- Weight: 15 lbs.

PERFORMANCE

- Available in 12,000, 18,000 and 24,000 lumen packages to replace 175W, 250W and 400W HID
- Up to 162 LPW

SHIELDING (16" Diameter Reflectors)

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

ELECTRICAL

- 0-10V standard with dimming range 100% to 10%
- 120-277V standard; optional 347V or 480V

CONTROLS

- NX Distributed Intelligence™ provides options for standalone and networked integrated sensor with wired or wireless connectivity for NX system deployments
- NX is available in U.S., Canada and Mexico. For other locations consult factory

CERTIFICATIONS

- All luminaires built to UL1598 standard and bear appropriate CSA labels
- Emergency equipped fixtures labeled UL924
- The DTS, Dimming Bypass Module, is for emergency circuit control loads includingsensors and wireless systems listed to UL924. See page 7 for wiring diagram. Link to Dimming Bypass Module Specification sheet

WARRANTY

- 5 year warranty (Terms and Conditions apply)
- See HLI Standard Warranty for additional information

KEY DATA	
Lumen Range	12,000–24,000
Wattage Range	84-160 WATTS
Efficacy Range	106-162 LPW
Rated Life (Hours)	L80/60,000
Input Current Range (AMPS)	0.3-1.3

PHOTOMETRY

BROCHURE

HUBBELL Lighting

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UTB2 HIGH BAY

ORDERING GUIDE

Example: UTB2-730-LX-ED1-WA16-DLR-WH-C6HLP115A

CATALOG #

UTB	2	–				ED	
Series	**Generation**		**CRI**	**Color Temp**	**Output**	**Driver**	**Voltage**
UTB High Bay	**2** 2		**7** >70	**30** 3000K	**LX** Low Lumen (12,000 lm)	**ED** 0-10V dimming to 10%	**U** 120 - 277[1]
			8 >80	**35** 3500K	**LXHE** Low Lumen High Efficacy (12,000 lm)		**1** 120V
			9 >90	**40** 4000K	**MM** Medium Lumen (18,000 lm)		**2** 208V
				50 5000K	**MMHE** Medium Lumen High Efficacy (18,000 lm)		**3** 240V
					MH High Lumen (24,000 lm)		**4** 277V
					MHHE High Lumen High Efficacy (24,000 lm)		**F** 347V
							5 480V

Optic		Lens		Color		Options	
WA16	Clear Acrylic 16"	**N**	None	**BL**	Black	**C(y)HLP(x)(z)**	Cord, Hook, Loop & Plug[2,3]
WW16	Translucent White 16"	**CDL**	Conical Drop Lens	**GR**	Gray	**C4H**	4' Cord w/ Hook/Loop
OP16	Opalescent Acrylic 16"	**DLR**	Dropped Lens Refractor	**WH**	White	**C6HL**	6' Cord w/ Hook/Loop
SB16	Suspended Bead 16"	**P95**	Frosted Acrylic Lens	**CC**	Custom Color	**C8HL**	8' Cord w/ Hook/Loop
AL16	Anodized Aluminum 16"					**C10HL**	10' Cord w/ Hook/Loop
N	No Optic					**C12HL**	12' Cord w/ Hook/Loop
						CGS	Clear Glass LED Shield
						ELL14	Emergency Backup, 1400 Lumens (BSL310SB)[4,5]
						F(x)	Fusing[2,5]
						DTS	Dimming Transfer Module[10,11]
						SP	10KV Surge protector (voltage specific)

Control Options

Sensor Controls

NXWE	NX Wireless Enabled[6,7]
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 Ratio[6,7]
NXESPH	NX Enabled, PIR Occupancy Sensor, 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]
SCL	On/Off Occ. 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]

Accessories

☐	**UTBFWG**	Wire Guard - Full Cage
☐	**UTBWGD**	Wire Guard - Full Cage with Deep Lens Bottom Cover for CDL or DLR Lens option
☐	**UTBFWGS**	Wireguard - Full Cage with Shallow lens bottom cover for P95 Lens option
☐	**UTB-TLR**	Luminaire Retainer

Notes:

1 Not available with voltage specific cord or fuse options.
2 Replace (X) with the voltage, 1=120V, 2=208V. 3=240V, 4=277V, F= 347V, 5=480V.
3 Replace (Y) with the length. 4=4ft, 6=6ft, 8=8ft., 10=10ft., 12=12ft. Replace (Z) with 15A or 20A.
4 ELL14 Not available with Fusing - F(x) or Surge Protector - SP
5 Not available with 347V or 480V
6 Not available with any other control options.
7 Not available with 480V
8 VIVE is a trademark of Lutron Electronic Co., Inc.
9 Not available with N - No Optic
10 For emergency circuit control loads including sensors and wrieless systems listed to UL924. Universal Voltage Only. See page 7 for wiring diagram
11 Consult factory for available configurations

701 Millennium Blvd • Greenville, SC 29607 / Tel 864.678.1000 / Website www.hubbellindustrial.com

HUBBELL Lighting

UTILIBAY™

UTB2 HIGH BAY

CONTROLS

NX Distributed Intelligence:

Supports indoor and outdoor applications, wired, wireless and hybrid networked NX lighting control deployments and enables emerging applications such as Hubbell Lighting's SpectraSync™ color tuning technology.

NX DISTRIBUTED™ INTELLIGENCE

NX INTEGRATED CONTROLS REFERENCE									
NX Option	Sensor	Category	Networkable	Scheduling	Occupancy	Daylight Harvesting	0-10V Dimming	On/off Control	Bluetooth App Programming
NXSPH	NXSMP-HMO	Standalone	No	Yes	Yes	Yes	Yes	Yes	Yes
NXESPH	NXSMP-HMO	Networked Wired	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NXWE	N/A	Networked Wireless	Yes	Yes	No	No	Yes	Yes	Requires NX Bluetooth® Radio Module
NXWD	N/A	Networked Wired/Wireless	Yes	Yes	No	No	Yes	Yes	Requires NX Bluetooth® Radio Module
NXSPWH	NXSMP-HMO	Networked Wireless	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NXSWD	NXSMP-HMO	Networked Wired/Wireless	Yes	Yes	Yes	Yes	Yes	Yes	Yes

See separate NX™ Application Guide for additional details.
See Hubbell Controls Solution NX Brochure.

DELIVERED LUMENS

The table below shows the delivered lumens for the various lumen outputs and beam distributions. Use this chart in connection with the lumen factor (LF) capability to deliver any output required.

	REFLECTOR	BOTTOM LENS	LX	WATTS	LM/W	LXHE	WATTS	LM/W	MM	WATTS	LM/W	MMHE	WATTS	LM/W	MH	WATTS	LM/W	MMHE	WATTS	LM/W
No Glass Lens	N	N	13126	84	156	13144	76	172	19390	128	151	19663	119	165	25700	168	153	25993	160	162
	WA16	N	12751	84	151	12764	76	167	18846	128	148	19100	119	161	24966	168	149	25259	160	158
		CDL	11940	84	142	11950	76	157	17823	128	140	17885	119	150	23377	168	140	23652	160	148
		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
	WW16	N	11822	84	140	11834	76	155	17472	128	137	17709	119	149	23146	168	138	23417	160	146
		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
		P95	10934	84	130	10943	76	143	16158	128	127	16376	119	138	21405	168	128	21657	160	135
	OP16	N	12729	84	151	12741	76	167	18813	128	148	19068	119	160	24922	168	149	25215	160	157
		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
		P95	12074	84	143	12086	76	158	17846	128	140	18087	119	152	23641	168	141	23918	160	149
	SB16	N	12820	84	152	12833	76	168	18948	128	149	19089	119	160	25103	168	150	25397	160	159
		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
	AL16	N	10874	84	129	10885	76	143	16074	128	126	16291	119	137	21292	168	127	21542	160	135
		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

UTILIBAY™

UTB2 HIGH BAY

DELIVERED LUMENS CONT'D

	REFLECTOR	BOTTOM LENS	LX	WATTS	LM/W	LXHE	WATTS	LM/W	MM	WATTS	LM/W	MMHE	WATTS	LM/W	MH	WATTS	LM/W	MMHE	WATTS	LM/W
Glass Lens CGS	N	N	11975	84	142	11987	76	157	17699	128	139	17938	119	151	23446	168	140	23722	160	148
	WA16	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
		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
	WW16	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
		DLR	9316	84	111	9325	76	122	13769	128	108	13955	119	117	18240	168	109	18455	160	115
		P95	9970	84	118	9980	76	131	14736	128	116	14935	119	126	19521	168	117	19751	160	123
	OP16	N	11609	84	138	11620	76	152	17158	128	135	17389	119	146	22730	168	136	22996	160	144
		CDL	10968	84	130	10980	76	144	16211	128	127	16432	119	138	21478	168	128	21730	160	136
		DLR	10568	84	125	10579	76	139	15620	128	123	15831	119	133	20693	168	124	20936	160	131
		P95	11011	84	131	11022	76	144	16275	128	128	16494	119	139	21560	168	129	21814	160	136
	SB16	N	11692	84	139	11704	76	153	17281	128	136	17514	119	147	22893	168	137	23162	160	145
		CDL	11046	84	131	11059	76	145	16328	128	128	16548	119	139	21629	168	129	21883	160	137
		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
	AL16	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
		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

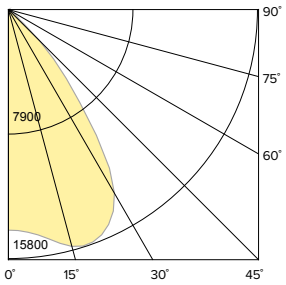
PHOTOMETRY

UTB2-8-50-MHHE-WW-X-AL16-N-YY-ZZZZ

LUMINAIRE DATA

Test No.	**20867**
Description	**UTB2 High Bay with Open-Bottom AL16 Reflector**
Delivered Lumens	**21,542**
Watts	**160.1W**
Efficacy	**135**
Mounting	**Pendant**
Spacing Criterion	**(0-90) 1.10**

POLAR GRAPH



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	12,609	58.5
0-40	18,603	86.4
0-60	21,185	98.3
0-90	21,492	100.0
0-180	21,542	100.0

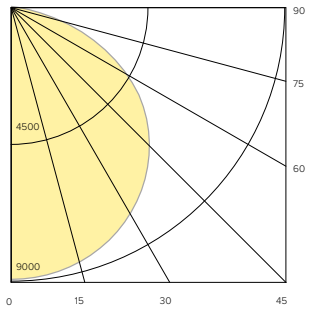
PHOTOMETRY CONT'D

UTB2-8-50-MHHE-WW-X-N-N-YY-ZZZZ

LUMINAIRE DATA

Test No.	**20849**
Description	**UTB2 High Bay with No Enclosure or Reflector**
Delivered Lumens	**25,993**
Watts	**160.08W**
Efficacy	**162**
Mounting	**Pendant**
Spacing Criterion	**1.29**

POLAR GRAPH



ZONAL LUMEN SUMMARY

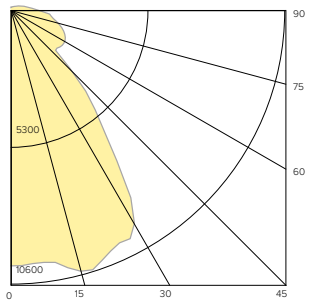
Zone	Lumens	% Luminaire
0-30	7028	27
0-40	11,620	44.7
0-60	20,974	80.7
0-90	25,993	100
0-180	25,993	100

UTB2-8-50-MHHE-WW-X-OP16-N-YY-ZZZZ

LUMINAIRE DATA

Test No.	**20859**
Description	**UTB2 High Bay with Open-Bottom OP16 Reflector**
Delivered Lumens	**25,215**
Watts	**160.10W**
Efficacy	**157**
Mounting	**Pendant**
Spacing Criterion	**(0-90) 1.15**

POLAR GRAPH



ZONAL LUMEN SUMMARY

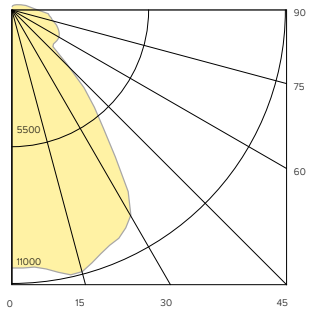
Zone	Lumens	% Luminaire
0-30	8471	33.6
0-40	12966	51.4
0-60	17724	70.3
0-90	23308	92.4
0-180	25215	100.0

UTB2-8-50-MHHE-WW-X-SB16-N-YY-ZZZ

LUMINAIRE DATA

Test No.	**20863**
Description	**UTB2 High Bay with Open-Bottom SB16 Reflector**
Delivered Lumens	**25,397**
Watts	**160.10W**
Efficacy	**159**
Mounting	**Pendant**
Spacing Criterion	**1.33**

POLAR GRAPH



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
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

UTILIBAY™

UTB2 HIGH BAY

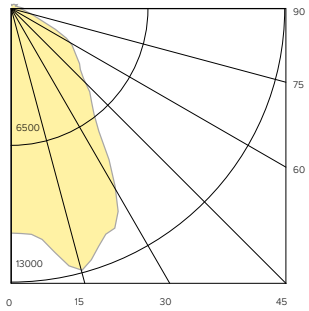
PHOTOMETRY CONT'D

UTB2-8-50-MHHE-WW-X-WA16-N-YY-ZZZZ

LUMINAIRE DATA

Test No.	**20850**
Description	**UTB2 High Bay with Open-Bottom WA16 Reflector**
Delivered Lumens	**25,259**
Watts	**160.10W**
Efficacy	**158**
Mounting	**Pendant**
Spacing Criterion	**(0-90) 1.18**

POLAR GRAPH



ZONAL LUMEN SUMMARY

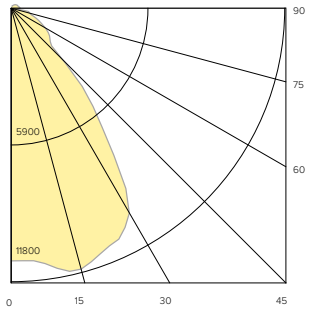
Zone	Lumens	% Luminaire
0-30	9762	38.6
0-40	14,425	57.1
0-60	21,455	84.9
0-90	24,176	95.7
0-180	25,259	100.0

UTB2-8-50-MHHE-WW-X-WW16-N-YY-ZZZZ

LUMINAIRE DATA

Test No.	**20855**
Description	**UTB2 High Bay with Open-Bottom WW16 Reflector**
Delivered Lumens	**23,417**
Watts	**160.10W**
Efficacy	**146**
Mounting	**Pendant**
Spacing Criterion	**(0-90) 1.35**

POLAR GRAPH



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
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

ELECTRICAL DATA

		AMBIENT TEMPERATURE			AMPERAGE						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	-35°C to 65°C	-40°C to 65°C	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			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			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	-40°C to 55°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			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

IES
IES
LINK TO ADDITIONAL TM-30 DATA

HUBBELL Industrial Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

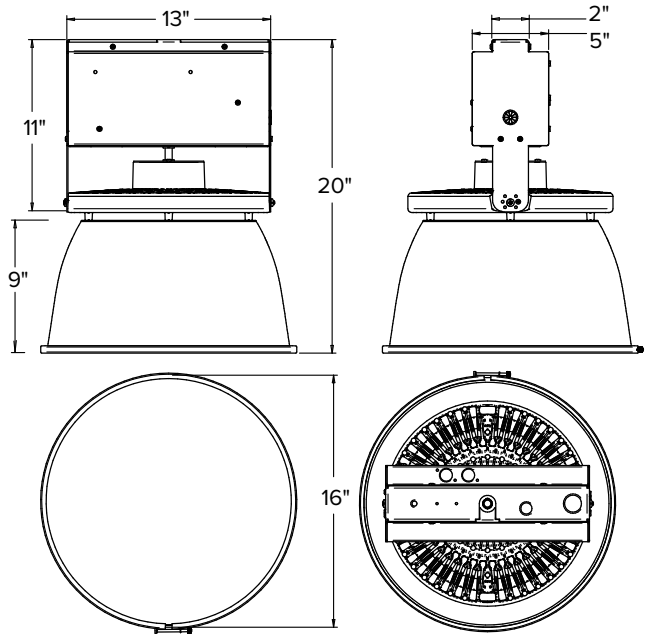
UTILIBAY™

UTB2 HIGH BAY

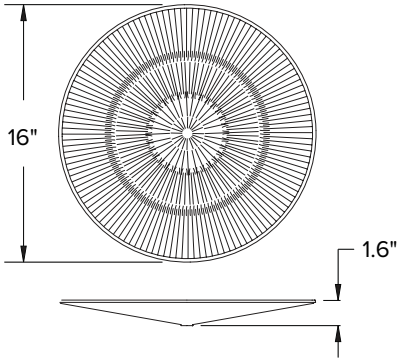
LINK TO DETAILED DIMENSIONAL DATA

DIMENSIONS

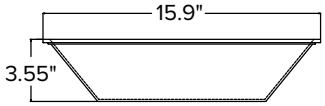
No Lens



Conical Drop Lens (CDL)



Dropped Lens Refractor (DLR)



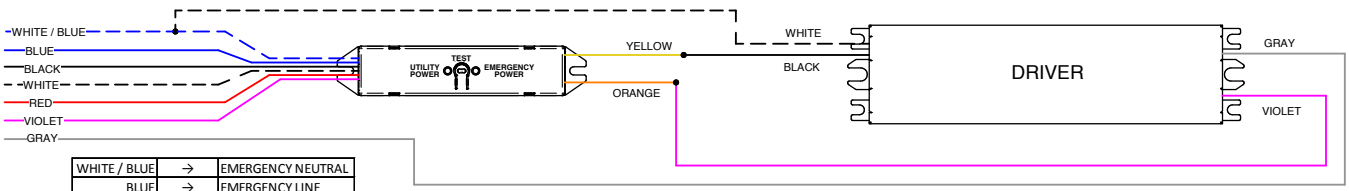
ADDITIONAL INFORMATION

LIFE DATA

	LUMEN PACKAGE	NOMINAL LUMENS	AMBIENT OPERATING TEMPERATURE	L_{70}	L_{80}	L_{90}
Calculated Hours	LX	12,000	25°C	193,000	120,000	56,000
			65°C	127,000	80,000	38,000
	LXHE	12,000	25°C	193,000	120,000	56,000
			65°C	127,000	80,000	38,000
	MM	18,000	25°C	193,000	120,000	56,000
			65°C	127,000	80,000	38,000
	MMHE	18,000	25°C	193,000	120,000	56,000
			65°C	127,000	80,000	38,000
	MH	24,000	25°C	184,000	115,000	53,000
			55°C	148,000	93,000	44,000
	MHHE	24,000	25°C	184,000	115,000	53,000
			55°C	148,000	93,000	44,000

DTS WIRING DIAGRAM

0-10V Dimming Shown



WHITE / BLUE	→	EMERGENCY NEUTRAL
BLUE	→	EMERGENCY LINE
BLACK	→	UTILITY LINE
WHITE	→	UTILITY NEUTRAL
RED	→	SWITCHED HOT
VIOLET	→	DIMMING
GRAY	→	DIMMING

HUBBELL Lighting