

See the last page for more details and drawings.

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
2000	2144	24W
1500	1699	18W
1200	1341	14W
900	995	10W
NOMINAL LUMENS (HP)	DELIVERED LUMENS (HP)	WATTAGE (HP)
1200	1401	12W
2000	2059	18W

Based on 4000K, 90+CRI with semi-specular chrome reflector. Actual wattage may vary +/-5%

### **FEATURES**

A highly sustainable and ultra-efficient architectural LED downlight that provides even, glare-free illumination. Available in a range of finishes, distributions, and lumen packages, it is ideally suited for use in corporate office space, hospitality, healthcare, commercial, academic, churches and retail.

## **OPTICS AND REFLECTOR**

The reflector has a  $45^{\circ}$  visual cutoff, and is shipped standard with a Solite lens in a smooth frosted finish. Spun from 0.05" thick aluminum, with a 1-step anodized finish, and available in different colors or custom RAL finishes. Reflector flange options include self-flanged and white painted flange. Various distribution options are available, and all optics are field changeable.

LUMENS	900, 1200, 1500, 2000, (Custom lumen packages available)
CCT & DYNAMIC PLATFORMS	22K, 27K, 30K, 35K, 40K, 50K, Tunable White, Dims to Warm, RGB + White
CRI	90+ Standard, 98+ Optional
COLOR QUALITY	2 Step MacAdam Ellipse
DISTRIBUTIONS	VWD, WD, MWD, MD, ND, SPD, NSPD
TRIM OPTIONS	Downlight, Wall Wash, Double Wall Wash,
REFLECTOR COLORS	CL (Semi-Specular Chrome), SHZ (Low Iridescent Satin Haze), WT (Wheat), W (White), MB (Black). BZ (Bronze)
FLANGE COLORS	Self-Flanged WH (White), SCH (Semi-Specular Chrome), SHZ (Low Iridescent Satin Haze), BK (Black), BZ (Bronze)
DIMMING	0-10V Flicker Free 1% Dimming Standard (DIM10), LUTH, LUTFTB, LUT2W, ELDO10.1, ELDODMX.1, ELDODALI.1, DIMTR, BLE
EMERGENCY	10W - Up to 1000L Output 20W - Up to 2000L Output EMG-LED-G2-10W-SDT - Self Diagnostic (Consult Factory)
LIFETIME	L70 at 102,000 Hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21
	+ O-l. A: I-LI OF, ODI

13000 Lumens is not ENERGY STAR certified

\* Only Available on 85+ CRI







MWD: Medium Wide







SPD:Spot



Reference IES files for additional distribution curve information



















### THERMAL MANAGEMENT SYSTEM

Passive cooling Diecast Aluminum Heat Sink, LED light engine and driver are replaceable, upgradeable, and can be accessed from below the ceiling. The consistency in the quality of light is delivered with precision performance by the use of a unique locking mechanism that aligns the reflector with the light engine.

## **MOUNTING FRAME & BRACKETS**

The downlight mounting frame is a fabricated assembly constructed of 16-gauge steel, with C-channel mounting brackets, included. The versatility of the mounting brackets allow for an adjustability of up to 28" horizontally, and 2-3/4" vertically, locking into place. With the added die-formed construction of the mounting frame, it provides maximum heat dissipation and rust protection.

## **DRIVER ELECTRICAL INFORMATION**

The LED driver is rated for 50 to 60Hz at 120V/277V, also available in 347V input, produces less than 20%THD, has a power factor between 90% and 100%, and is thermally protected for additional safety. Junction box and Driver can be accessed from below the ceiling and above the ceiling. Junction Box is Listed for through branch circuit wiring.

## **DIMMING & DRIVER INFORMATION**

DIM10 - 0-10V dimming on either MVOLT 120, 277 or 347V. Dimmable down to 1% of initial lumens, standard.

DIMTR - Triac & Electronic low voltage dimming. Available in 120V, and up to 3000 lumens only.

LUT2W - Lutron LTEA2W Hi-Lume 1%. 2-wire LED Driver Forward Phase Control, 1% dimming in 120V only.

LUTH - Lutron LDE1 Hi-Lume Eco System. 1% dimming with Soft in Fade to Black dimming technology.

LUTFB - Lutron PEQ0 Hi-Lume Premier Eco System. 0.1% dimming with Soft in Fade to Black dimming technology. Available on all luminaires up to 20 watts.

ELDO10.1 - EldoLED SoloDrive 0-10V. Dimming down to 0.1%.

DALI - DALI DT6, DT8 dimming down to 1%.

**ELDODMX** - EldoLED PowerDrive dimming down to 0.1%.

Please see EldoLED website for wiring diagrams and a list of compatible DMX and DALI control systems.

BLE - Luminaires may be controlled, grouped, scheduled or placed in scenes and or zones Via Cassambi Bluetooth 4.0 App.

### **LED DYNAMIC PLATFORM OPTIONS**

Tunable White with Smart White Technology utilizing the Lumenetix Platform allows you to color tune the luminaire via various controls. Create the perfect environment for the desired use of the space, while maintaining a CRI of 90+ across the tunable range of 8000 to 1650K. (Click here for more details)

HH4IC-LED

Dims to Warm with Smart Dimming Technology. At 100% full brightness the luminaire is at 3000K. When dimmed to 1%, the light transitions to 1800K, creating a warm ambiance within the space. (Click here for more details)

RGB+White with Smart Hue Technology provides full color mixing of RGB and white colors. Utilizing the Lumenetix Platform allows you to choose from unlimited RGB color options, via various controls. Ideal for Circadian Rhythm applications or to create the perfect human centric environment. (Click here for more details)

### **OPTICAL**

Modular Optics Available with 15°, 24°, 30°, 36°, 52°, 60° and 70° field interchangeable optics design with 45° cutoff to source.

Top-down flash characteristic for superior glare control. The optics attached directly the light engine to the Trim for complete optical alignment and sufficient efficacy.

Five-year warranty for parts and components. (Labor not included)

c-UL-us - Listed for Wet Location if used with HH4-4501 Trim.

c-UL-us - Listed for Feed Through Wiring.

U.S Patent No. - D685,118S

CP-City of Chicago environmental air (CCEA) marking for plenum applications.

Energy Star and California Title 24 compliant

Optional Black color trim is not ENERGYSTAR certified and won't meet the requirement.

## Example: HH4IC-LED-2000L-DIM10-MVOLT-MD-40K-90-HH4-4501-CL-WH

SERIES	LUMENS	DRIVER	VOLTAGE	CCT	EMERGENCY	TRIM TYPE	REFLECTOF	R/FLANGE CO	LORS
HH4IC-LED	□ 900L	□ DIM10	□ 120	□ 22K	☐ EMG-LED-10W	☐ HH4-4501	☐ CL-WH	☐ W-WH	☐ SHZ-SHZ
	□ 1200L	☐ DIMTR 1	□ 277	□ 27K	☐ EMG-LED-20W	Flanged Downlight	☐ CL-SCH	☐ MB-WH*	☐ SHZ-BK
	□ 1500L	□ LUTH	☐ MVOLT	□ 30K	☐ INTG-EMG-LED-10W	HH4-4507 Flanged Wall Wash	☐ CL-BK	☐ MB-BK*	☐ WT-WH
	□ 2000L	□ LUT2W ¹	□ 347	□ 35K	☐ INTG-EMG-LED-20W	Tranged vvaii vvasii	☐ CL-BZ	☐ BZ-BK	☐ WT-WT
		☐ LUTFTB <sup>5</sup>	(DIM10 only)	□ 40K	☐ EMG-LED-G2-10W-SDT*		☐ SHZ-WH	☐ BZ-BZ	* Black color trim is not ENERGYSTAR certified
		□ ELD0101		□ 50K <sup>2</sup>	Typical lumen output of the luminaire is up to 1000L with EMG-LED-10W option & 2000L	C. 1014 4577	EL ANOE O	N ODO	ENERGYSTAR Certified
		☐ ELDODALI1			with EMG-LED-20W option in emergency mode. Contact the factory for details.	HH4-4577 Flanged Double Wall Wash	FLANGE CO	JLUKS	
		☐ ELDODMX1			Remote mounted installation *Consult Factory for Self Diagnostic	□ HH4-4535	☐ WH	☐ BZ	□ BK
		□ BLE	OPTICS	CRI	OPTIONS	Polycarbonate "Dead	☐ SCH	☐ SHZ	
			□ VWD 70°	□ 90+	CP (Chicago Plenum)	Front" Trim with Tempered Albalite Lens			
			□ WD 60°	<b>□</b> 98+³	☐ HP (High Performance) <sup>6</sup>	TRIMLESS	TRIMLESS	FINISH	
			☐ MWD 52°		☐ (Insulated Ceiling box)	☐ HH4-TL-4501	□ CL		
			☐ MD 36°			Trimless Downlight	□ MB		
			□ ND 30°			☐ HH4-TL-4507 Trimless Wall Wash	□ SHZ		
			☐ SPD 24°			THITHESS Wall Wash	□ WH		
			☐ NSPD 15°						

DIMTR and LUT2W are available in 120V only 4 3000 Lumens is not energy Star certified

-Reference last page for Control Options

<sup>2</sup> **50K** series are available with 85+ CRI only \* Only Available on 85+ CBI

3 98+CRI is available in 27K, 30K and 40K only

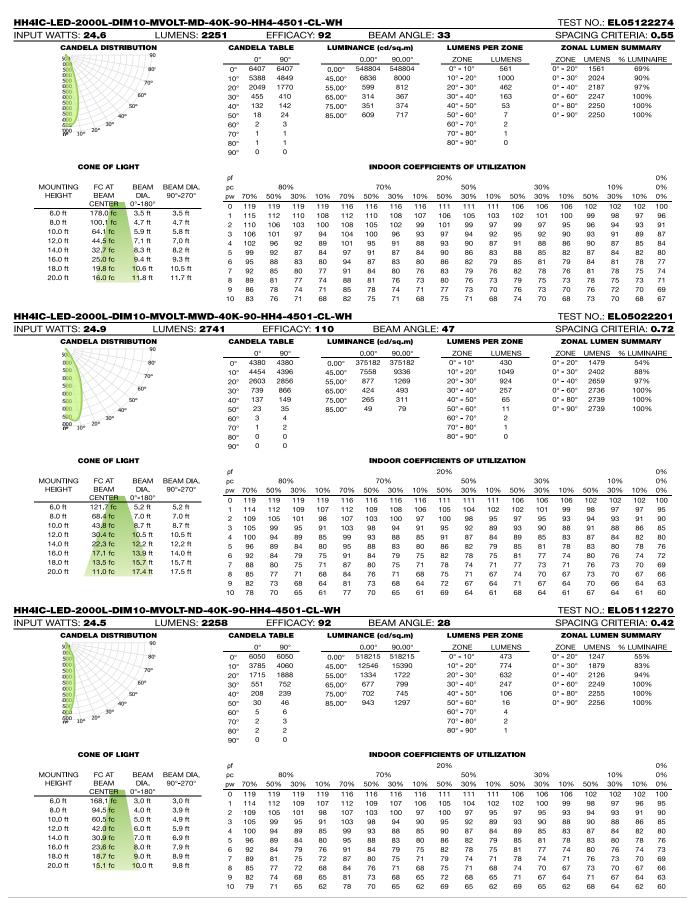
<sup>5</sup> LUTFTB Available for luminaires up to 1500L

 $^{\rm 6}$  3500K and 4000K based on 90 CRI















# HH4IC-LED-2000L-DIM10-MVOLT-NSPD-40K-90-HH4-4501-CL-WH

TEST NO.: **EL05122274** 

INPUT WATTS:	24.6	LU	JMENS: <b>2341</b>		EF	FICA	CY: <b>9</b>	5	В	EAM A	ANGLI	E: 20	x 20	)				SPAC	ING	CRITI	ERIA:	0.33
CAND	ELA DISTR			CA	NDEL	A TAB	LE	LU	MIN	ANCE (c	d/sq.n	1)	L	JMENS	PER Z	ONE		ZON	AL LUI	MEN S	UMMA	RY
.0.0		90			0°	9	0°			0.00°	90.00	)°		ZONE	LUM	MENS		ZONE	UMEN	vs %	LUMIN	AIRE
100 p		80°		0°	14512	2 145	512	0.0	0° 1	243043	12430	43	0	° - 10°	10	004	-	0° - 20°	1854	1	79%	
000 000	XXXXI.	70°		10°	7010	73	04	45.0	00°	6119	7590	)	10	° - 20°	8	50	(	0° - 30°	2152	2	92%	
000	$\times\times\times$	////		20°	1251	89	99	55.0	00°	415	750		20	° - 30°	29	98	(	0° - 40°	2281	1	97%	
1000		60°		30°	329	29	93	65.0	00°	148	259		30	° - 40°	13	29	(	0° - 60°	2337	7	100%	5
0000 1000		50°		40°	106	12	28	75.0	00°	162	252		40	° - 50°	5	50	(	0° - 80°	2339	9	100%	, ,
2000	40	)°		50°	14	2	6	85.0	00°	49	482		50	° - 60°		6	(	0° - 90°	2340	)	100%	, ,
300 ) 40 0	30°			60°	1	2	2						60	)° - 70°		1						
5000 0° 10	)° 20°			70°	1	-	I						70	° - 80°		1						
				80°	0	-	I						80	° - 90°		0						
				90°	0	(	)															
C	ONE OF LI	GHT								IND	OOR C	OEFF	ICIENT	S OF L	TILIZA	MOITA						
				ρf									20%									0%
MOUNTING	FC AT	BEAM	BEAM DIA.	ρc		80	0%			70	1%			50%			30%			10%		0%
HEIGHT	BEAM	DIA.	90°-270°	ρw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
	CENTER	0°-180°		0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
6.0 ft	403.1 fc	2.1 ft	2.1 ft	1	115	113	111	109	113	111	109	108	107	105	104	103	102	101	100	99	98	97
8.0 ft	226.7 fc	2.8 ft	2.8 ft	2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
10.0 ft	145.1 fc	3.5 ft	3.5 ft	3	108	103	100	97	106	102	99	96	99	97	95	97	95	93	95	93	92	91
12.0 ft	100.8 fc	4.2 ft	4.2 ft	4	105	99	95	93	103	98	95	92	96	93	91	94	92	90	93	91	89	88
14.0 ft	74.0 fc	4.9 ft	4.9 ft	5	102	96	92	89	100	95	91	88	93	90	88	92	89	87	91	88	86	85
16.0 ft	56.7 fc	5.6 ft	5.6 ft	6	99	93	89	86	98	92	88	85	91	87	85	89	87	84	88	86	84	83
18.0 ft	44.8 fc	6.3 ft	6.3 ft	7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81
20.0 ft	36.3 fc	7.0 ft	7.0 ft	8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79
				9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77
				10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75





### HH4IC-LED-2000L-DIM10-MVOLT-SPD-40K-90-HH4-4501-CL-WH TEST NO.: **EL05122274** SPACING CRITERIA: 0.39 INPUT WATTS: 24.7 LUMENS: **2362** EFFICACY: 96 BEAM ANGLE: 25 CANDELA DISTRIBUTION CANDELA TABLE LUMINANCE (cd/sq.m) LUMENS PER ZONE ZONAL LUMEN SUMMARY LUMENS ZONE UMENS % LUMINAIRE 90° 0.00° 90.00° ZONE 0° - 20° 10979 0.00 940449 10° - 20° 6721 7035 45.00° 5806 6797 991 0° - 30° 2175 92% 20° - 30° 0° - 40° 1167 1397 463 606 332 2307 98% 20° 55 00° 30° - 40° 40° - 50° 346 65.00° 180 211 132 0° - 60° 2359 100% 40° 50° 0° - 80° 104 114 75.00° 199 208 46 2361 100% 14 20 50° - 60° 6 100% 216 0° - 90° 85.00° 30° 2 60° **-** 70° 70° **-** 80° 70° 80° 0 0

				90	Ü		,															
C	ONE OF LI	GHT								IND	OOR C	OEFF	CIENT	S OF U	TILIZ	ATION						
				ρf									20%									0%
MOUNTING	FC AT	BEAM	BEAM DIA.	ρс		80	)%			70	)%			50%			30%			10%		0%
HEIGHT	BEAM	DIA.	90° <b>-</b> 270°	ρW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
	CENTER	0°-180°		0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
6.0 ft	305.0 fc	2.6 ft	2.6 ft	1	115	113	111	109	112	111	109	107	107	105	104	103	102	101	100	99	98	96
8.0 ft	171.6 fc	3.5 ft	3.5 ft	2	111	107	104	102	109	106	103	101	103	100	98	100	98	96	97	96	94	93
10.0 ft	109.8 fc	4.4 ft	4.3 ft	3	107	103	99	96	106	101	98	95	99	96	94	97	94	92	94	93	91	90
12.0 ft	76.2 fc	5.2 ft	5.2 ft	4	104	99	95	91	102	97	94	91	95	92	90	94	91	89	92	90	88	87
14.0 ft	56.0 fc	6.1 ft	6.1 ft	5	101	95	91	88	99	94	90	87	92	89	86	91	88	86	89	87	85	84
16.0 ft	42.9 fc	7.0 ft	6.9 ft	6	98	91	87	84	97	91	87	84	89	86	83	88	85	83	87	84	82	81
18.0 ft	33.9 fc	7.9 ft	7.8 ft	7	95	88	84	81	94	88	84	81	87	83	81	86	83	80	85	82	80	79
20.0 ft	27.4 fc	8.7 ft	8.7 ft	8	92	86	81	79	91	85	81	78	84	81	78	83	80	78	83	80	78	77
				9	90	83	79	76	89	83	79	76	82	78	76	81	78	76	80	78	75	75
				10	88	81	77	7/	87	80	77	74	80	76	74	70	76	7/	70	76	73	73

HH4IC-LED-2000L-DIM10-MVOLT-VWD-4	IOK-90-HH4-4501-CL-WH
IIII-10 EED ECCCE DIM 10 MICCEI THE	1012 30 11114 4001 <b>6E</b> 1111

TEST NO.: **EL05112270** SPACING CRITERIA: 1.09

ZONAL LUMEN SUMMARY

INPUT WATTS: 24.6	LUMENS: <b>1972</b>	Е	FFICAC	Y: <b>80</b>	BEA	AM ANGLE	≣: 71
CANDELA DISTRIBU		NDELA	TABLE	LUMIN	IANCE (c	d/sq.m)	LU
200	90	0°	90°		0.00°	90.00°	Z
400	80° 0°	1565	1565	0.00°	134045	134045	0°
500	70° 10°	1621	1612	45.00°	19616	25884	10
B00	/0°	1539	1585	55.00°	1867	2188	20
.000	60° 30°	1076	1173	65.00°	776	872	30
.200 50°	40°	405	493	75.00°	725	781	40
.400 40°	50°	40	61	85.00°	1120	1455	50
.600 30°	60°	6	7				60
800 20°	70°	3	3				70
	80°	2	2				80

AND LEA DIGITIED ON TON	-	ADELA	IADEL		47140= (C	a, squii,	LOMENO				it commani	
90		0°	90°		0.00°	90.00°	ZONE	LUMENS	ZONE	UMENS	% LUMINAIRE	
80'	0°	1565	1565	0.00°	134045	134045	0° - 10°	151	0° - 20°	603	31%	
700	10°	1621	1612	45.00°	19616	25884	10° - 20°	451	0° - 30°	1241	63%	
0	20°	1539	1585	55.00°	1867	2188	20° - 30°	638	0° <b>-</b> 40°	1757	89%	
00 60°	30°	1076	1173	65.00°	776	872	30° - 40°	516	0° - 60°	1964	100%	
00 50°	40°	405	493	75.00°	725	781	40° - 50°	186	0° - 80°	1971	100%	
00 40°	50°	40	61	85.00°	1120	1455	50° - 60°	21	0° <b>-</b> 90°	1972	100%	
30°	60°	6	7				60° - 70°	4				
00 10° 20°	70°	3	3				70° <b>-</b> 80°	2				
	80°	2	2				80° <b>-</b> 90°	1				
	90°	0	0									
CONE OF LIGHT					IND	OOR COEFF	ICIENTS OF U	TILIZATION				

				ρf									20%									0%	
MOUNTING	FC AT	BEAM	BEAM DIA.	ρс		80	1%			70	1%			50%			30%			10%		0%	
HEIGHT	BEAM	DIA.	90°-270°	ρw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
	CENTER	0°-180°		0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
6.0 ft	43.5 fc	8.5 ft	8.5 ft	1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	
8.0 ft	24.5 fc	11.4 ft	11.3 ft	2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86	
10.0 ft	15.6 fc	14.2 ft	14.1 ft	3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	79	
12.0 ft	10.9 fc	17.0 ft	17.0 ft	4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73	
14.0 ft	8.0 fc	19.9 ft	19.8 ft	5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67	
16.0 ft	6.1 fc	22.7 ft	22.6 ft	6	85	76	70	65	84	75	69	65	74	68	64	72	67	64	71	67	63	62	
18.0 ft	4.8 fc	25.6 ft	25.4 ft	7	81	71	65	60	79	70	64	60	69	63	60	68	63	59	67	62	59	57	
20.0 ft	3.9 fc	28.4 ft	28.3 ft	8	76	66	60	56	75	66	60	55	65	59	55	64	59	55	63	58	55	53	
				9	72	62	56	52	71	62	56	52	61	55	51	60	55	51	59	54	51	50	
				10	60	50	50	10	60	50	50	10	57	50	10	56	61	40	56	51	10	46	

### HH4IC-LED-2000L-DIM10-MVOLT-WD-40K-90-HH4-4501-CL-WH

TEST NO.: **EL05122274** 

IPUT WATTS: <b>24.6</b>	LUMENS: 20	54		EFFICAC	Y: <b>83</b>	BE	AM AN	IGLE	: 59		SP	ACINO	G CRIT	ΓERIA: <b>(</b>	0.88
CANDELA DISTRIBUT		CA	NDEL/	A TABLE	LUMI	NANCE (c	:d/sq.m	1)	LUMENS	PER ZONE	Z	NAL L	UMEN	SUMMAI	RY
200	90		0°	90°		0.00°	90.00	)°	ZONE	LUMENS	ZON	IE UM	ENS 9	% LUMINA	AIRE
400 500	804	0°	2210	0 2210	0.00°	189282	18928	12	0° - 10°	208	0° - 2	.0° 7	64	37%	
B00	70°	10°	219	1 2112	45.00°	17461	2388	4	10° - 20°	556	0° - 3	0° 14	22	69%	
.000	/0"	20°	171	1 1776	55.00°	1685	2371		20° - 30°	658	0° - 4	0° 18	68	91%	
400	0°	30°	978	1087	65.00°	663	930		30° - 40°	445	0° - 6	0° 20	45	100%	
.600 50°		40°	345	421	75.00°	629	844		40° - 50°	158	0° - 8	0° 20	52	100%	
.800 !000 40°		50°	38	63	85.00°	462	1415	;	50° - 60°	19	0° <b>-</b> 9	0° 20	53	100%	
!200 30°		60°	5	7					60° - 70°	5					
100 10° 20°		70°	2	3					70° <b>-</b> 80°	3					
		80°	1	2					80° <b>-</b> 90°	1					
		90°	0	0											
CONE OF LIGHT						IND	OOR C	OEFF	ICIENTS OF U	JTILIZATION	ı				
		ρf							20%						0%
MOUNTING FC AT BE	AM BEAM DIA.	ρο		80%		70	)%		50%		30%		10%	6	0%
HEIGHT BEAM D	IA. 90°-270°	ρw	70%	50% 30%	10% 70	% 50%	30%	10%	50% 30%	10% 50%	30% 109	6 50%	6 30%	6 10%	0%

				ρf									20%									0%
MOUNTING	FC AT	BEAM	BEAM DIA.	рс		80	1%			70	1%			50%			30%			10%		0%
HEIGHT	BEAM	DIA.	90°-270°	ρw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
	CENTER	0°-180°		0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
6.0 ft	61.4 fc	6.8 ft	6.8 ft	1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
8.0 ft	34.5 fc	9.0 ft	9.0 ft	2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87
10.0 ft	22.1 fc	11.3 ft	11.3 ft	3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80
12.0 ft	15.3 fc	13.5 ft	13.5 ft	4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75
14.0 ft	11.3 fc	15.8 ft	15.8 ft	5	92	84	78	73	90	83	77	73	81	76	72	79	75	72	78	74	71	70
16.0 ft	8.6 fc	18.0 ft	18.0 ft	6	87	78	72	68	86	77	72	68	76	71	67	75	70	67	73	69	66	65
18.0 ft	6.8 fc	20.3 ft	20.3 ft	7	83	73	67	63	82	73	67	63	72	66	63	70	66	62	69	65	62	61
20.0 ft	5.5 fc	22.5 ft	22.5 ft	8	79	69	63	59	78	69	63	59	67	62	59	66	62	58	65	61	58	57
				9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	54	53
				10	71	62	56	52	70	61	55	52	60	55	52	60	55	51	59	54	51	50
				10	7.1	02	56	52	10	01	55	52	90	55	52	00	55	31	59	54	01	50





- 1- Luminaire will be shipped with Powerpacks pre-installed, ready to be integrated to designated contol systems
- 2- Luminaire will be shipped with Sensors installed on the luminaire, allowing for individual luminaire control. Luminaires will be ready to be integrated with designa
- 3- Luminaire will be shipped with Sensors to be remotely installed on the ceiling. Luminaires will be ready to be integrated with designated control systems

BRAND	EASYFIT by EnOcean	<b>\$LUTRON</b>	enlighted	<b>LEVITON</b> <sub>®</sub>	OSRAM	PHILIPS EasySense	<b>□ legrand</b> ®
CONTROL UNIT	LEDRU LED Relay Zone Controller 0-10V <sup>1</sup>	□ FCJS-010 Lutron Vive 0-10V Individual Pow Pak (Luminare is shipped Vive Enabled) 14	CU-4E-FMH Fixture Mount Control	□ ZL027 –N0W Intellect Power Control Module <sup>16</sup>	□ EN-WCM2-ZB-DR Wireless Control Module <sup>17</sup> □ EN- ALC-ZB-BK-DR	SBR -BS Xitanium SR	□ LMFC-011 ON/OFF/0-10V dimming fixture controller <sup>19</sup>
CONTROL UNIT	LEDDU LED Zone Controller 0-10V <sup>1</sup>	A-WN-D01-RF-WH Athena wireless node (RF only)	Unit 15	□ ZL027 –N0W Intellect Power Control Module <sup>16</sup>	Wireless Area Lighting Control Module 17  ZBHA-CLM-DIM-ENC Connected Lighting Module DIM 17	Bridge 18	□ LMFS-601 Integrated Fixture Sensor & Controller
INTEGRAT SENSOR	N/A	N/A	N/A	N/A	N/A	N/A	N/A
*WIRELESS OCCUPANCY SENSOR	© EOSCU-W-EO Occupancy Sensor - Ceiling Mounted (Must be specified with LEDRU or LEDDU control unit) 3	N/A	N/A	N/A	N/A	N/A	□ LMDC-100 Dual technology PIR Ceiling Mount Occupancy Sensor <sup>3</sup>
*WIRELESS Daylight Sensor	☐ ELLSU-W-EO Light Level Sensor - Ceiling Mounted (Must be specified with LEDRU or LEDDU control unit) <sup>3</sup>	N/A	N/A	N/A	N/A	N/A	LMLS-400 Single zone switching and dimming digital photosensor <sup>3</sup>
*WIRELESS OCCUPANCY & DAYLIGHT SENSOR	N/A	N/A	□ SU-5E-IoT IoT Node Micro Sensor ³ □ SU-5E-CL Connected Lighting Micro Sensor ³ □ SU-5E-IL Independent Lighting / Enlighted One Micro Sensor ³ □ SU-5S-H-(IoT/CL/IL) Surface Mount Sensor ³ (Must be specified with CU- 4E-FMH Control Unit)	☐ ZL00J -T0W Intellect Intelligent Fixture Control System <sup>3</sup> (Must be specified with ZL027 –N0W Control Unit)	□ EN-CLM-PIR-DD-ZB SensiLUM <sup>TM</sup> Wireless Integrated Sensor □ EN-SCPPH-1500-ZB Wireless Passive Infrared Occupancy and Photo Sensors <sup>3</sup> (Must be specified with EN-WCM2-ZB-DR or EN- ALC-ZB-BK-DR Control Unit)	SNS200-CMP SNS200 for grouping <sup>3</sup>	N/A
ACCESORIES	N/A	N/A	□ TMC-SU-5E Tile Mount Carrier □ CBL-5E-CU4-30N 30 inch Sensor Cable for CU-4 and IoT ReadyTM drivers □ CBL-5E-CU4-7F 7 foot Sensor Cable for CU-4 and IoT ReadyTM drivers	N/A	N/A	N/A	N/A
NOTES	N/A	4- Luminaire will be compatible with Lutron LRF2-0CR2B-P-WH Ceiling mount360° occupancy/va- cancy sensor & LRF2-DCRB- WH Ceiling-mount daylight sensor. Sensors must be ordered through Lutron.	5- Luminaire will be compatible with ENLIGHTED SU-5E-IoT, SU-5E-CL, SU-5E-IL, SU- 5S-H, Sensors.	6-Luminaire will be compatible with Leviton Intellect App & Keypad Room Controller	7-Luminaire will be compatible with EN-SCPPH-1500-ZB Wireless Passive Infrared Occupancy and Photo Sensors	8-Luminaire will be compatible with Philips field and wireless switch.	9-Luminaire will be compatiable with DLM Room control system LMPB-100. DLM control system must be orderd through Legrand.





