Comparison for LED Lamp Fitting Specification（10000lm-15000lm）

2015/10/16
LUMIA

Item/Maker	LUMIA	LUMIA	Panasonic	Toshiba Lighting	Iwasaki Electric	Mitsubishi Kakouki	Mitsubishi Electric	ENDO Lighting	T-NET JAPAN
Photo Image									
Model Number	HL15K	HL10K	NNY20610K LX9	LEDJ-10401WM-LDJ	EHCL12201M/NPJX8	KTH-T600	EL-C15006N/W AHN	ERG5345S	TS-400
Release Date	2015/09	2015/09	2015/01	2015/01	2015/04	2012/06	2014/03	2013401	2015/04
LED TYPE	COBx1pcs	COBx1pcs	HPSC	HPSC	HPSC ModuleX4pcs	HPSCx90pcs	HPSC Modulex8pcs	HPSC Modulex4pcs	HPSC
LED MAKER	Nichia	Nichia	?	?	?	Nichia	?	?	Nichia
LED efficiency(lm/w)	**150**	**157**	**121.7**	**91**	**143**	**100**	**95.5**	**79**	**140**
Nominal CCT(K)	5000	5000	5000	5000	5000	5000+/-350	5000	5000	5000
LED CRI（Ra）	70(80 Option)	70（80 Option)	70	70	70	70	70	82	70
Total luminous flux（lm）	**15000**	**11000**	**14000**	**13600**	**15000**	**12000**	**15000**	**13900**	**12300**
Beam Angle（degree）	60, 90, 120	60, 90, 120	28, 35, 50, 75	45, 90	42, 60	20, 50, 60	95	63	30, 42, 60, 80, 120
Light reflector	Polycarbonate/Mirror surface	Polycarbonate/Mirror surface	-	—	–	SUS/Mirror surface	Prism/Surface	—	-
Lens	Silicon Lens	Silicon Lens	Acrylic Lens	PMMA Acrylic Lens	Acrylic Lens	-	–	PBT/Mirror surface	Acrylic Lens with glare
Front Cover	Heat-resistant PC(t=3.0)	Heat-resistant PC(t=3.0)	Transparence PC（t=3.0)	chilled glass(t=3.0)	chilled glass	chilled glass	chilled glass	GlarePC	Transparence PC
Cooling body	**Al/Alumite+PC-G**	**Al/Alumite+PC-G**	**Al/ Alumite**	**Al/ Alumite**	**Magnesium mixed metal**	**Al/ Alumite**	**AlD/Polyester coating**	**AlD/Metallic coating**	**Magnesium mixed metal**
Operating temperature(deg)	-25～+50	-25～+50	-20～+40（Temporary 50(deg)	-10～+40	-10～+40	-40～+50	-5～+35	?	-30～+50
Product Lifetime(h)	**80000**	**80000**	**60000**	**60000**	**60000**	**50000（40℃ or less）**	**60000**	**60000**	**50000 (at 50℃)**
Power unit combine Type	-	-	●	●	-	-	●	●	-
Power unit separete Type	●	●	-		●	●	-	-	●
Power consumption(W)	200V/100	200V/70	200V106	200V/150	200V/107	200V/115	200V/157	200V/176	200V/87
Water resistance(IP Rank)	**IP65**	**IP65**	**IP65**	**IP44**	**IP65**	**IP65**	**IP43**	**IP65**	**IP67**
Salt-Tolerant(Y/N)	Y	Y	N	N	N	N	N	Y	Y
Survival wind speed(m/s)	N	N	N	N	N	?	?	?	60
Modulated light(Y/N)	Y (Zigbee/PWM Option)	Y (Zigbee/PWM Option)	Y (Option)	Y (PWM5-100%)	Y PWM(15-100%)	N	N	Y PWM(5-100%)	Y(PWM Option)
Dimension WxHxD(mm）	150x150x120	150x150x120	247x197x220	Φ413x289	Φ297x460	Φ226x226	273x401x123	420x350x164	Φ280x111
Fixing bracket	Tilting Type (t=3.2&hot dip zincing）	Tilting Type (t=3.2&hot dip zincing）	Tilting Type (t=0.8&hot dip zincing）	Tilting Type (t=3.2&hot dip zincing）	Hanging Type	Tilting Type (t=3.2&hot dip zincing）	EL-x0029(M12 Stud Bolt）	Tilting Type (t=4.3&hot dip zincing）	Tilting Type (t=3.2&hot dip zincing）
weight (Kg)	**2.9**	**2.9**	**6.4**	**15.3**	**6.5**	**2.8**	**9.7**	**12.8**	**1.7(E39 Cap Type)**
Warranty period	**5 Year**	**5 Year**	**1 Year /LED, 3 Year/power unit**	**1 Year /LED, 3 Year/power unit**	**5 Year**	**3 Year**	**5 Year**	**?**	**3 Year**
AC input voltage（V）	85-265	85-265	100-242	200-242	100/200-240	90-305	90-242	90-242	90-279
Dimension WxHxD(mm）	190×120	190×120	-	—	276x129x118	228x68x38.8	-	-	210x75x44
Weight（Kg）	1	1	Including LED unit	Including LED unit	2.3	1.15	Including LED unit	Including LED unit	1.35
Conformance cable specification	600V Insulated Cable （OD=Φ10-13）	600V Insulated Cable （OD=Φ10-13）	600V Insulated Cable (OD=Φ10-12)	600V Insulated Cable (OD=Φ10-12)	600V Insulated Cable (OD=Φ10-12)	600V Insulated Cable (OD=Φ10-12)	600V Insulated Cable (OD=Φ10-12)	600V Insulated Cable (OD=Φ10-12)	600V Insulated Cable (OD=Φ10-12)
Operating temperature(deg)	-25～+50	-25～+50	-20～+40	-10～+40	-10～+40	-40～+70	-5～+35	+5～+35	-30～+50
Resistance surge voltage(KV)	?	?	?	15kV(Common Mode)	?	?	?	?	?
Power unit lifetime(h)	80000	80000	60000	60000	60000	50000 (at40℃）	40000	40000	50000（60℃）
Retail Price(U$)	1,045	790	1,065	1,500	1,275	1,000	2,170	1,235	625
Net Price(U$)									
Installation Site									