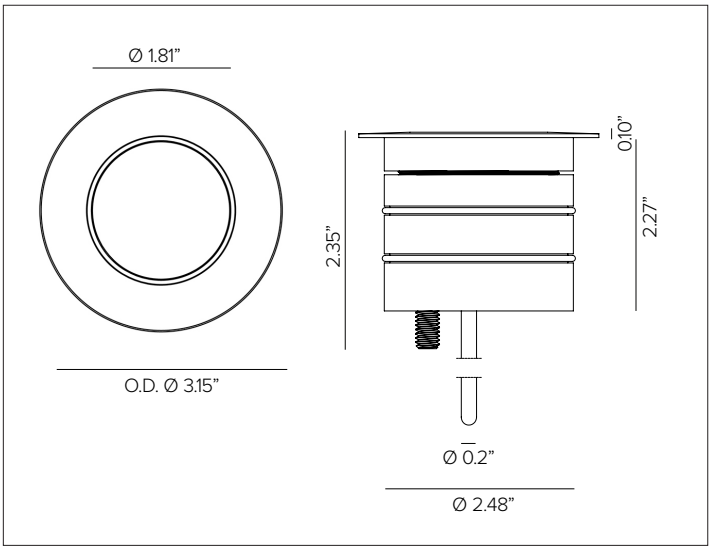
JUPITER

Professional Compact Inground LED Fixture

JUPITER Shown in brushed natural finish.



RoHS3 COMPLIANT · Marine[A] · Drive Over · Cool Touch · IP69K · IP68 · c UL us Class2

CONCEPT

Small scale compact recessed ingrade LED fixture.

MECHANICAL CHARACTERISTICS

Housing	3.15"Dia. X 2.21"H
Materials	Milled anodized aluminum marine grade cataphoresis[A] body with Passive cooling system. AISI316L stainless steel trim ring with beveled edge and with extra clear glass lens.
Finish	Brushed Natural · Bronze PVD* · Black PVD* *Physical Vapor Deposition.
Power Connection	Pre-cabled with 2ft direct burial 18ga 2 conductor cable for connection to remote power supply.
Mounting	Semi-flush recessed ingrade / surface wall mounting installation sleeve required, see available options.
Weight	1.1lbs
Protection	IP68[B] / IP69K
Impact	IK10
Load	Resistant to static loads up to 4,496lbs in flush mounted cement and pavement installations.

CERTIFICATIONS

cULus Class 2 Wet Location Listed E479873.
Tested in accordance with LM-79-08.
Compliant for California installations.
RoHS3 EU 215/863

WARRANTY

5 year limited warranty

[A] Fixture body complete with marine grade cataphoresis suitable for use in marine grade environments. Stainless steel trim will need to be maintained and cleaned regularly to avoid mineral deposits. Not to be in direct contact with salt or corrosive agents for extended periods of time.

[B] Temporary immersion up to 24 hours at a max depth of 2 meters. Installation of fixture requires proper drainage to prevent any standing water. Should not be used for permanent submersion.

SUSTAINABILITY

Luminaire designed for disposal/recycling at end-of-life. Replaceable LED light source and control gear by a Targetti technician.

ELECTRICAL CHARACTERISTICS

Power Supply	Remote Class 2 120V-277V AC power supply required, see available options.
Wattage	7W
Voltage	24V DC

SOURCE

High efficiency LED Chip on Board.

TM30	CCT (Nominal)	CRI	Rf	Rg	SDCM
	2700K	80	82	96	2
	3000K	80	83	96	2
	3500K	80	81	97	2
	4000K	80	82	95	2

Ra90 available upon request

OPTIC

Precision optic system with PMMA lenses for the SP, FL and WFL versions with a light cut system integrated into the front glass.

Beam		SP 21°	FL 39°	WFL 53°
Delivered Lumens	**2700K**	651Lm	674Lm	644Lm
Data represents max output version only, refer to photometry section for all fixture variations.	**3000K**	680Lm	704Lm	673Lm
	4000K	704Lm	728Lm	696Lm

For 3500K lumen values use multiplier of 1.015 from 3000K.

Efficacy	107Lm/W max. Refer to photometric graphs for specific values.
Lifetime	L96/B10 >30,000hrs at max Tq +25°C L93/B10 >50,000hrs at max Tq +25°C L90/B10 >80,000hrs at max Tq +25°C L87/B10 >100,000hrs at max Tq +25°C
Photobiological Classification	Low risk safety RG1

JUPITER

SPECIFICATION INFORMATION

JU	R							/	/	/
	2	3	4	5	6	7	8	9	10	11

Ex: JURSPL22724SSLV / DMLE301242UD / 1US3175M

REQUIRED — OPTIONAL

1 - PRODUCT CODE	2 - DRIVER	3 - OPTIC	4 - WATTAGE	5 - KELVIN	6 - VOLTAGE	7 - TRIM	8 - OPTICAL ACCESSORY
JU — JUPITER	**R** — Remote Driver	**SP** — SP 21° **FL** — FL 39° **WF** — WFL 53° **DV** — Direct View	**L2** — 7W	**27** — 2700K **30** — 3000K **35** — 3500K **40** — 4000K	**24** — 24V DC	**SS** — Natural **BZ** — Bronze **BK** — Black	**__** — No Optical Accessory **LV**[C, D] — Honeycomb Louver **AS**[C, D] — Asymmetric Louver

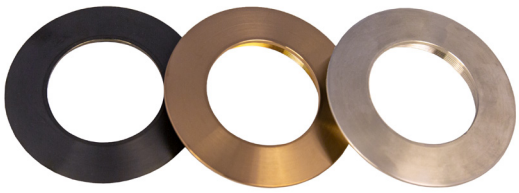
9 - POWER SUPPLY	10 - INSTALLATION	11 - INSTALLATION ACCESSORIES
Power Supply *See section for details*	3" Installation Sleeve *See section for details* 6" Installation Sleeve *See section for details* 9" Installation Sleeve *See section for details*	Sleeve mounting HUB *See section for details* Installation J-box *See section for details*

[C] Not compatible with DV optic.
[D] Optical accessories are factory pre-installed integral to the fixture.

QS
QSJURSPL23024SSLV + 1US3175M + 1US3175HB + 1US317BX + DMLE301242UD / DMLE601242UD / DMLE961242UD
QSJURFLL23024SS + 1US3175M + 1US3175HB + 1US317BX + DMLE301242UD / DMLE601242UD / DMLE961242UD

FINISHES

BLACK PVD *BRONZE PVD* *NATURAL*



OPTIC VERSIONS

NO OPTIC ACCESSORY

INTEGRAL HONEYCOMB LOUVER

INTEGRAL ASYMMETRIC LOUVER

DIRECT VIEW

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9 - POWER SUPPLY (REQUIRED)

ENCLOSURE

Part No.	*Wattage*	*Control*	*Dim Range*	*Rating*	*In / Out Voltage*	*Certification*	*Dimensions (Enclosure)*	*Description*
DMLE301242UD	*30W*	MLV / ELV / 0-10V / TRIAC	10%	NEMA3R	120-277V / 24V	UL Class 2	4.47" X 6.79" X 1.38"	EMCOD MLE-UD electronic driver with wiring compartment.
DELV30124DJBX	*30W*	0-10V	0.1%	IP65	120-277V / 24V	UL Class 2	12.1" X 2.4" X 1.4"	Magnitude SOLIDrive electronic driver with built in junction box.
DMLE601242UD	*60W*	MLV / ELV / 0-10V / TRIAC	10%	NEMA3R	120-277V / 24V	UL Class 2	4.47" X 6.79" X 1.38"	EMCOD MLE-UD electronic driver with wiring compartment.
DELV60124DJBX	*60W*	0-10V	0.1%	IP65	120-277V / 24V	UL Class 2	12.1" X 2.4" X 1.4"	Magnitude SOLIDrive electronic driver with built in junction box.
DMLE961242UD	*96W*	MLV / ELV / 0-10V / TRIAC	10%	NEMA3R	120-277V / 24V	UL Class 2	5.16" X 7.73" X 1.54"	EMCOD MLE-UD electronic driver with wiring compartment.
DELV96124DJBX	*96W*	0-10V	0.1%	IP65	120-277V / 24V	UL Class 2	12.1" X 2.4" X 1.4"	Magnitude SOLIDrive electronic driver with built in junction box.
DMLE1922242UD	*2X96W*	MLV / ELV / 0-10V / TRIAC	10%	NEMA3R	120-277V / 24V	UL Class 2	5.04" X 10.94" X 1.81"	EMCOD MLE-UD electronic driver with wiring compartment.
DMLE2882242UD	*3X96W*	MLV / ELV / 0-10V / TRIAC	10%	NEMA3R	120-277V / 24V	UL Class 2	5.04" X 10.94" X 1.81"	EMCOD MLE-UD electronic driver with wiring compartment.

STANDALONE

Part No.	*Wattage*	*Control*	*Dim Range*	*Rating*	*In / Out Voltage*	*Certification*	*Dimensions (Standalone)*	*Description*
DELV30124D	*30W*	0-10V	0.1%	IP65	120-277V / 24V	UR Class 2	7.5" X 2.4" X 1.4"	Magnitude SOLIDrive electronic standalone driver. **UL listed enclosure provided by others.**
DELV60124D	*60W*	0-10V	0.1%	IP65	120-277V / 24V	UR Class 2	7.5" X 2.4" X 1.4"	Magnitude SOLIDrive electronic standalone driver. **UL listed enclosure provided by others.**
DELV96124D	*96W*	0-10V	0.1%	IP65	120-277V / 24V	UR Class 2	7.5" X 2.4" X 1.4"	Magnitude SOLIDrive electronic standalone driver. **UL listed enclosure provided by others.**

MAX FIXTURES PER DRIVER

Fixture Wattage	*Driver Wattage*				
	30W	*60W*	*96W*	*2 x 96W*	*3 x 96W*
7W	**3**	**6**	**10**	**10+10**	**10+10+10**

MAX CABLE DISTANCE

Fixture Wattage	*No. Fixtures*	*Load*	*18 AWG*	*16 AWG*	*14 AWG*	*12 AWG*
7W	**3**	**≤21W**	**55ft**	**85ft**	**140ft**	**220ft**
	6	**≤42W**	**31ft**	**50ft**	**80ft**	**125ft**
	8	**≤56W**	**23ft**	**37ft**	**60ft**	**100ft**
	10	**≤70W**	**19ft**	**30ft**	**48ft**	**75ft**

**Voltage drop calculations are based on 3% max drop to last fixture in run for load and distances below*

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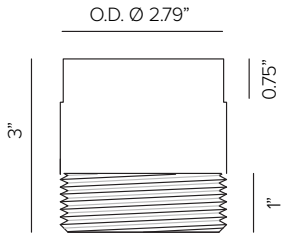
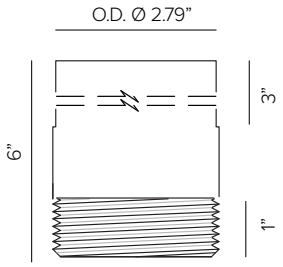
10 – INSTALLATION (REQUIRED)



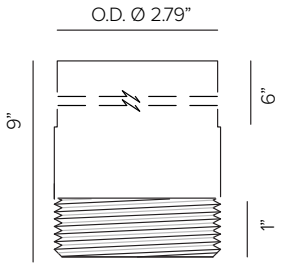
3” installation sleeve. Tube with threaded bottom end for height adjustment up to 3/4” for precision mounting.

Part No. **1US3175M**



6” installation sleeve. Tube with threaded bottom end for height adjustment up to 3/4” for precision mounting. Can be used with inground paver installation. 2” field cut allowance.

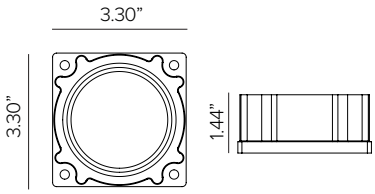
Part No. **1US3175L**



9” installation sleeve. Tube with threaded bottom end for height adjustment up to 3/4” for precision mounting. Can be used with inground paver installation. 2” field cut allowance.

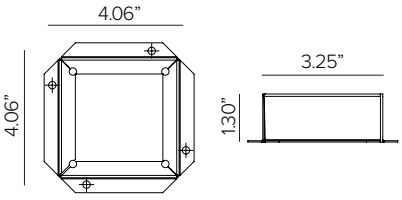
Part No. **1US3175X**

11 – INSTALLATION ACCESSORIES (OPTIONAL)



HUB with 3/4” height adjustability for field leveling mounted on 3-3/4” square j-box cover. Optional for use of sleeve only.

Part No. **1US3175HB**



3-1/2” x 3-4/4” installation J-box. Aluminum with 2ea 1/2” and 2ea 3/4” knockouts. Optional for use with HUB only.

Part No. **1US317BX**

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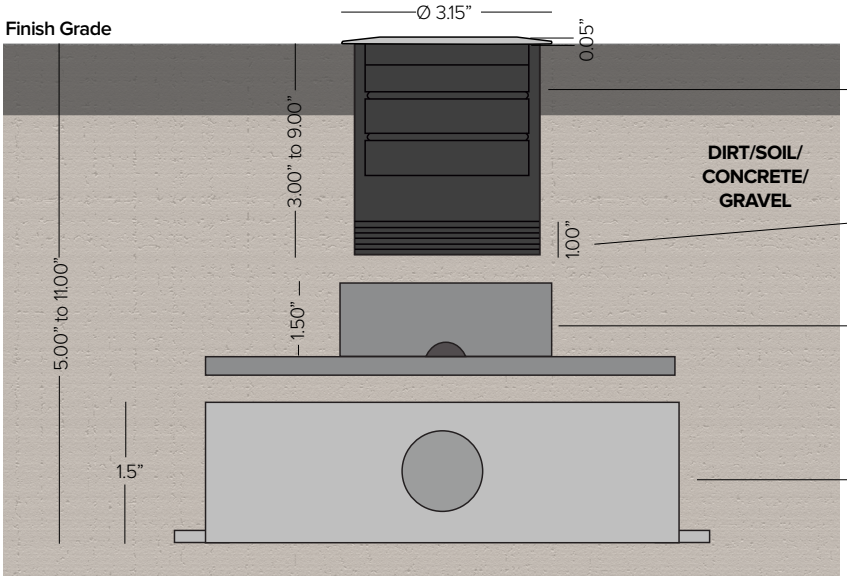
INSTALLATION DIAGRAMS

In-Ground Mounting



1US3175M/L/X
Installation sleeve available in 3”/6”/9” lengths.

Thread into hub from 0.25” - 1.00”

1US3175HB
Threaded HUB allows for 3/4” height adjustability.

1US317BX
J-box with 2ea 1/2” and 2ea 3/4” knockouts.

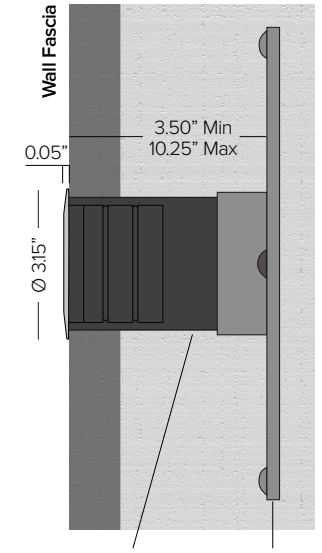
Overall Heights

3” Installation Sleeve = 5.00” Min to 5.75” Max

6” Installation Sleeve = 8.00” Min to 8.75” Max

9” Installation Sleeve = 11.00” Min to 11.75” Max

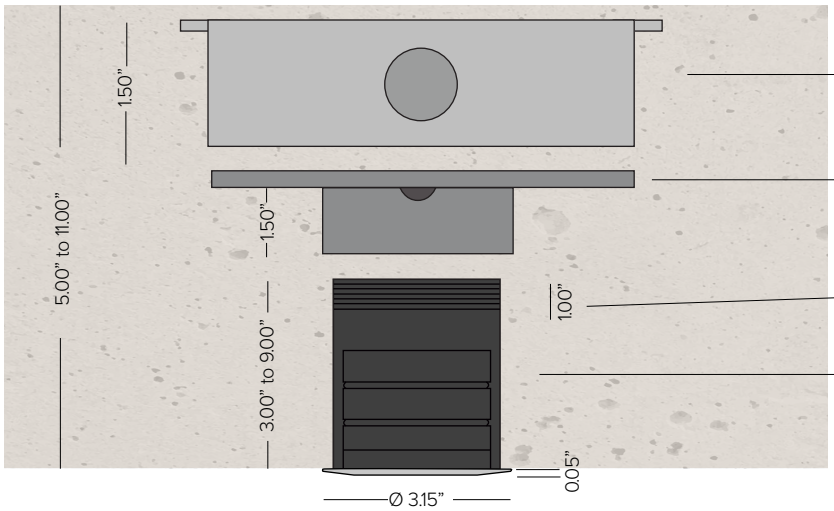
Surface Wall Mount



1US3175 M/L/X
Installation Sleeve

1US3175HB
Hub

Downlight Mounting



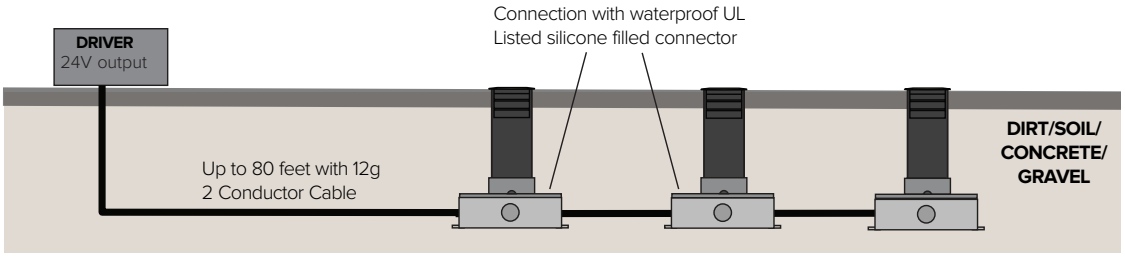
1US317BX
J-box with 2ea 1/2” and 2ea 3/4” knockouts.

1US3175HB
Threaded HUB allows for 3/4” height adjustability.

Thread into hub from 0.25” - 1.00”

1US3175M/L/X
Installation sleeve available in 3”/6”/9” lengths.

WIRING DIAGRAM



NOTE: Low voltage outdoor landscape wiring to be installed by a certified electrician per local building requirements, max 4A 96W circuit.

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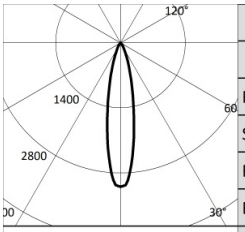
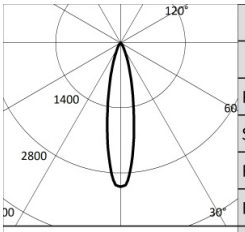
PHOTOMETRY

IES FILES WATTAGE AND EFFICIENCY CALCULATIONS BASED WITH SUPPLIED DRIVER

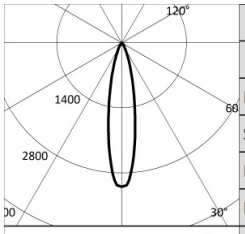
SPOT



2700K		H(m)	D(m)	Emax(lx)
Ra80			21°	
Fixture Power	7W	1	0.38	2861
Source Flux	926lm	2	0.75	715
Fixture Flux	651lm	3	1.13	318
Efficacy	96lm/W	4	1.50	179
TS1424 Imax=3090cd/klm	Imax 2861cd	5	1.88	114

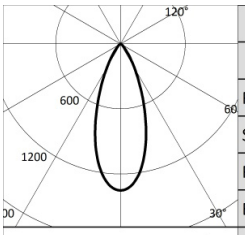


3000K		H(m)	D(m)	Emax(lx)
Ra80			21°	
Fixture Power	7W	1	0.38	2988
Source Flux	967lm	2	0.75	747
Fixture Flux	680lm	3	1.13	332
Efficacy	100lm/W	4	1.50	187
TS1424 Imax=3090cd/klm	Imax 2988cd	5	1.88	120

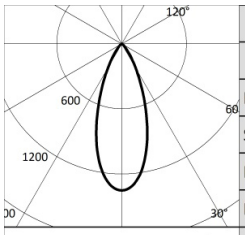


4000K		H(m)	D(m)	Emax(lx)
Ra80			21°	
Fixture Power	7W	1	0.38	3093
Source Flux	1001lm	2	0.75	773
Fixture Flux	704lm	3	1.13	344
Efficacy	104lm/W	4	1.50	193
TS1424 Imax=3090cd/klm	Imax 3093cd	5	1.88	124

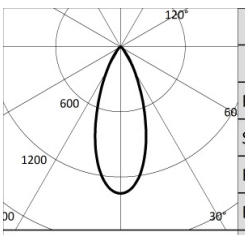
FLOOD



2700K		H(m)	D(m)	Emax(lx)
Ra80			39°	
Fixture Power	7W	1	0.71	1250
Source Flux	926lm	2	1.41	312
Fixture Flux	674lm	3	2.12	139
Efficacy	99lm/W	4	2.83	78
TS1425 Imax=1349cd/klm	Imax 1250cd	5	3.53	50

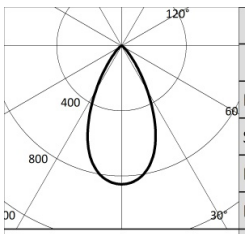


3000K		H(m)	D(m)	Emax(lx)
Ra80			39°	
Fixture Power	7W	1	0.71	1305
Source Flux	967lm	2	1.41	326
Fixture Flux	704lm	3	2.12	145
Efficacy	103lm/W	4	2.83	82
TS1425 Imax=1349cd/klm	Imax 1305cd	5	3.53	52

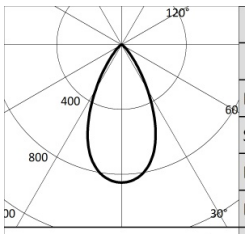


4000K		H(m)	D(m)	Emax(lx)
Ra80			39°	
Fixture Power	7W	1	0.71	1351
Source Flux	1001lm	2	1.41	338
Fixture Flux	728lm	3	2.12	150
Efficacy	107lm/W	4	2.83	84
TS1425 Imax=1349cd/klm	Imax 1351cd	5	3.53	54

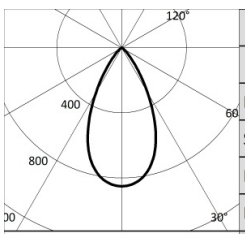
WIDE FLOOD



2700K		H(m)	D(m)	Emax(lx)
Ra80			53°	
Fixture Power	7W	1	0.99	787
Source Flux	926lm	2	1.99	197
Fixture Flux	644lm	3	2.98	87
Efficacy	95lm/W	4	3.98	49
TS1426 Imax=849cd/klm	Imax 787cd	5	4.97	31



3000K		H(m)	D(m)	Emax(lx)
Ra80			53°	
Fixture Power	7W	1	0.99	821
Source Flux	967lm	2	1.99	205
Fixture Flux	673lm	3	2.98	91
Efficacy	99lm/W	4	3.98	51
TS1426 Imax=849cd/klm	Imax 821cd	5	4.97	33



4000K		H(m)	D(m)	Emax(lx)
Ra80			53°	
Fixture Power	7W	1	0.99	850
Source Flux	1001lm	2	1.99	213
Fixture Flux	696lm	3	2.98	94
Efficacy	102lm/W	4	3.98	53
TS1426 Imax=849cd/klm	Imax 850cd	5	4.97	34

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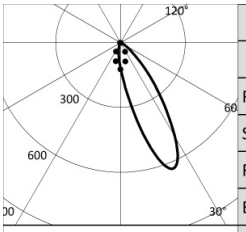
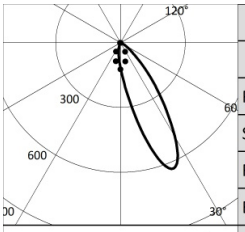
PHOTOMETRY

IES FILES WATTAGE AND EFFICIENCY CALCULATIONS BASED WITH SUPPLIED DRIVER

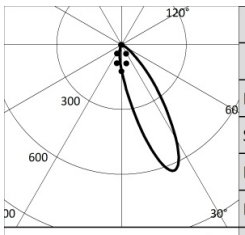
SPOT ASYMMETRIC LOUVER



2700K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			26°	26°	
Fixture Power	7W	1	0.56	0.50	467
Source Flux	926lm	2	1.11	1.00	117
Fixture Flux	197lm	3	1.67	1.51	52
Efficacy	29lm/W	4	2.22	2.01	29
TS1430 Imax=628cd/klm	Imax 582cd	5	2.78	2.51	19

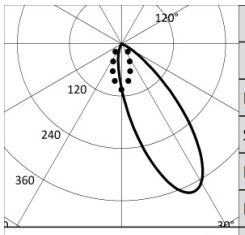


3000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			26°	26°	
Fixture Power	7W	1	0.56	0.50	488
Source Flux	967lm	2	1.11	1.00	122
Fixture Flux	205lm	3	1.67	1.51	54
Efficacy	30lm/W	4	2.22	2.01	30
TS1430 Imax=628cd/klm	Imax 607cd	5	2.78	2.51	20

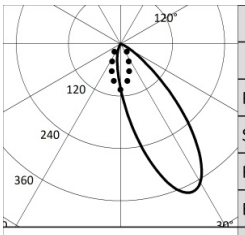


4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			26°	26°	
Fixture Power	7W	1	0.56	0.50	505
Source Flux	1001lm	2	1.11	1.00	126
Fixture Flux	213lm	3	1.67	1.51	56
Efficacy	31lm/W	4	2.22	2.01	32
TS1430 Imax=628cd/klm	Imax 629cd	5	2.78	2.51	20

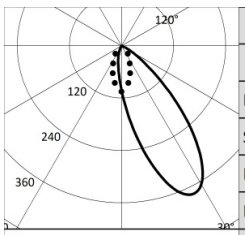
FLOOD ASYMMETRIC LOUVER



2700K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			36°	41°	
Fixture Power	7W	1	0.82	0.82	268
Source Flux	926lm	2	1.64	1.64	67
Fixture Flux	189lm	3	2.46	2.46	30
Efficacy	28lm/W	4	3.29	3.29	17
TS1431 Imax=377cd/klm	Imax 349cd	5	4.11	4.11	11

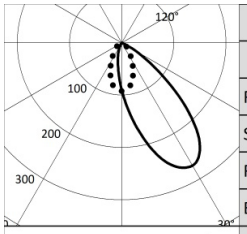


3000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			36°	41°	
Fixture Power	7W	1	0.82	0.82	279
Source Flux	967lm	2	1.64	1.64	70
Fixture Flux	197lm	3	2.46	2.46	31
Efficacy	29lm/W	4	3.29	3.29	17
TS1431 Imax=377cd/klm	Imax 365cd	5	4.11	4.11	11

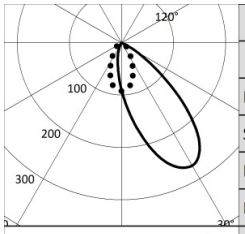


4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			36°	41°	
Fixture Power	7W	1	0.82	0.82	289
Source Flux	1001lm	2	1.64	1.64	72
Fixture Flux	204lm	3	2.46	2.46	32
Efficacy	30lm/W	4	3.29	3.29	18
TS1431 Imax=377cd/klm	Imax 377cd	5	4.11	4.11	12

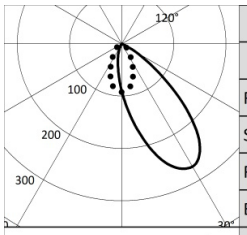
WIDE FLOOD ASYMMETRIC LOUVER



2700K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			42°	49°	
Fixture Power	7W	1	1.01	1.05	185
Source Flux	926lm	2	2.01	2.11	46
Fixture Flux	175lm	3	3.02	3.16	21
Efficacy	26lm/W	4	4.03	4.22	12
TS1432 Imax=270cd/klm	Imax 250cd	5	5.03	5.27	7



3000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			42°	49°	
Fixture Power	7W	1	1.01	1.05	193
Source Flux	967lm	2	2.01	2.11	48
Fixture Flux	182lm	3	3.02	3.16	21
Efficacy	27lm/W	4	4.03	4.22	12
TS1432 Imax=270cd/klm	Imax 261cd	5	5.03	5.27	8



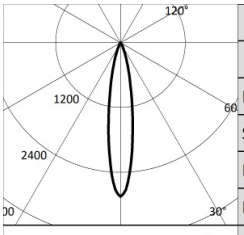
4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			42°	49°	
Fixture Power	7W	1	1.01	1.05	200
Source Flux	1001lm	2	2.01	2.11	50
Fixture Flux	189lm	3	3.02	3.16	22
Efficacy	28lm/W	4	4.03	4.22	12
TS1432 Imax=270cd/klm	Imax 271cd	5	5.03	5.27	8

JUPITER

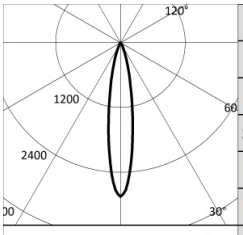
PHOTOMETRY

IES FILES WATTAGE AND EFFICIENCY CALCULATIONS BASED WITH SUPPLIED DRIVER

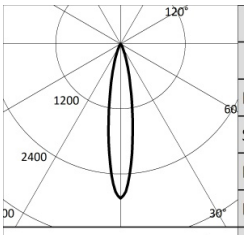
SPOT HONEYCOMB LOUVER



2700K		H(m)	D(m)	Emax(lx)
Ra80			18°	
Fixture Power	7W	1	0.32	2633
Source Flux	926lm	2	0.63	658
Fixture Flux	409lm	3	0.95	293
Efficacy	60lm/W	4	1.27	165
TS1427 Imax=2844cd/klm	Imax 2633cd	5	1.59	105

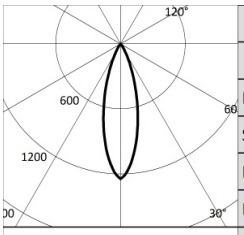


3000K		H(m)	D(m)	Emax(lx)
Ra80			18°	
Fixture Power	7W	1	0.32	2750
Source Flux	967lm	2	0.63	687
Fixture Flux	427lm	3	0.95	306
Efficacy	63lm/W	4	1.27	172
TS1427 Imax=2844cd/klm	Imax 2750cd	5	1.59	110

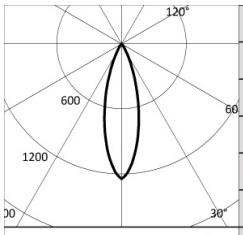


4000K		H(m)	D(m)	Emax(lx)
Ra80			18°	
Fixture Power	7W	1	0.32	2847
Source Flux	1001lm	2	0.63	712
Fixture Flux	442lm	3	0.95	316
Efficacy	65lm/W	4	1.27	178
TS1427 Imax=2844cd/klm	Imax 2847cd	5	1.59	114

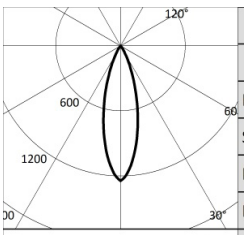
FLOOD HONEYCOMB LOUVER



2700K		H(m)	D(m)	Emax(lx)
Ra80			29°	
Fixture Power	7W	1	0.52	1149
Source Flux	926lm	2	1.05	287
Fixture Flux	366lm	3	1.57	128
Efficacy	54lm/W	4	2.09	72
TS1428 Imax=1241cd/klm	Imax 1149cd	5	2.61	46

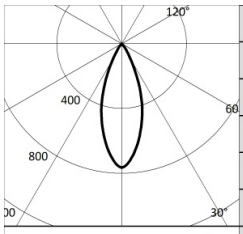


3000K		H(m)	D(m)	Emax(lx)
Ra80			29°	
Fixture Power	7W	1	0.52	1200
Source Flux	967lm	2	1.05	300
Fixture Flux	383lm	3	1.57	133
Efficacy	56lm/W	4	2.09	75
TS1428 Imax=1241cd/klm	Imax 1200cd	5	2.61	48

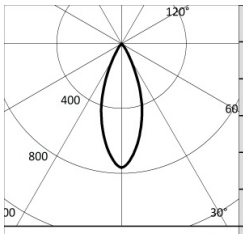


4000K		H(m)	D(m)	Emax(lx)
Ra80			29°	
Fixture Power	7W	1	0.52	1243
Source Flux	1001lm	2	1.05	311
Fixture Flux	396lm	3	1.57	138
Efficacy	58lm/W	4	2.09	78
TS1428 Imax=1241cd/klm	Imax 1243cd	5	2.61	50

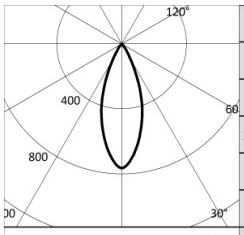
WIDE FLOOD HONEYCOMB LOUVER



2700K		H(m)	D(m)	Emax(lx)
Ra80			38°	
Fixture Power	7W	1	0.68	707
Source Flux	926lm	2	1.37	177
Fixture Flux	317lm	3	2.05	79
Efficacy	47lm/W	4	2.73	44
TS1429 Imax=763cd/klm	Imax 707cd	5	3.41	28



3000K		H(m)	D(m)	Emax(lx)
Ra80			38°	
Fixture Power	7W	1	0.68	738
Source Flux	967lm	2	1.37	185
Fixture Flux	331lm	3	2.05	82
Efficacy	49lm/W	4	2.73	46
TS1429 Imax=763cd/klm	Imax 738cd	5	3.41	30



4000K		H(m)	D(m)	Emax(lx)
Ra80			38°	
Fixture Power	7W	1	0.68	764
Source Flux	1001lm	2	1.37	191
Fixture Flux	343lm	3	2.05	85
Efficacy	50lm/W	4	2.73	48
TS1429 Imax=763cd/klm	Imax 764cd	5	3.41	31